



Remedial Investigation Report
City of Durham Parks – East Durham Park, NONCD0000821
2500 East Main Street, Durham, North Carolina
Task Order 821RI-11
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 via email: kevin.kelt@deq.nc.gov
Hydrogeologist

Reference: **Remedial Investigation-Soil Gas, Groundwater & Surface Water/Sediment Report
East Durham Park – 2061 East Main Street & 300 Gary Street**
Durham, Durham County, North Carolina
NCDEQ ID No. NCN0000821
NCDEQ Task Order 821RI-11
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. 23050630AT, dated February 17, 2025, for Task Orders 821RI-10 and 821RI-11 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.

Handwritten signature of Madison Allen in black ink.

Madison Allen
Environmental Scientist II
madisonallen@smeinc.com

Handwritten signature of Gerald Paul in black ink.

Gerald Paul
Senior Project Manager
jpaul@smeinc.com

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

Attachment: Remedial Investigation Report



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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. 23050630AT, dated February 17, 2025, for Task Orders 821RI-10 and 11 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* (March 2022) 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 9, 2025, through April 11, 2025, four Landfill Gas Probes (LFGP) and five Landfill Gas Implants (LFGP) 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 5 to 10 ft-bgs, and Landfill Gas Implants were installed to a depth of 3 ft-bgs. Once the total depth of the probes was determined, a 1-inch diameter 1 to 5-foot-long section of PVC 0.010-inch slotted screen was installed with PVC well riser casing 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 SGP and SGI 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** and the Well Construction Records are included in **Appendix II**.

2.2 Field Screening Methods

On April 15, 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 LFGP-5, LFGP-8, and LFGP-9. During the screening event, concentrations ranged from 0.2 parts per million by volume (ppm-v) to 0.9 ppm-v.

2.3.2 Methane

During the screening event, methane was not detected in any sample locations. 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 not detected in any sample 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 April 16, 2025, through April 17, 2025, S&ME personnel used batch-certified sampling canisters to collect samples (including duplicate samples) from nine landfill gas probes and implants for laboratory analysis of VOCs by EPA Method TO-15, Methane by EPA Method 3C, and Hydrogen sulfide by 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, including Hydrogen Sulfide by EPA Method TO-15 and Methane by EPA Method 3C. 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, resulting in higher laboratory detection limits. For this assessment, only compounds detected above the laboratory detection limits were entered into the NCDEQ Risk Calculator. Therefore, compounds not detected could be present at concentrations that would be considered unacceptable risk based on 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 volatile organic compounds in the landfill gas samples. The NCDEQ Risk Calculator was used to assess the risk of soil gas to indoor air pathway. The Residential Receptor Risk was not exceeded at any sample location. Methane and Hydrogen Sulfide both had no detections 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 **Figure 3**. The laboratory reports and chain of custody forms are included in **Appendix IV**.

3.0 Groundwater Assessment

3.1 Monitoring Well Elevation Measuring

On April 22, 2025, through April 24, 2025, nine groundwater monitor wells (MW-1 through MW-9) 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 monitor wells.

Monitor wells were installed to depths of 16 to 53 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 monitor 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 6, 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 from the south to the north towards the surface water feature in the center of the site.

Before sample collection, the monitor wells were purged using a monsoon pump or peristaltic pump, and field parameter data (pH, temperature, conductivity, and turbidity) were 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 of 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 March 19, 2025, S&ME collected surface water and stream sediment samples for laboratory analysis from seven locations. Surface water and sediment sample locations are shown in **Figure 1**. Surface water sample locations are identified as SW-1 through SW-7 with laboratory data on **Table 7**. Surface water risk assessment results and NCAC 2B Surface Water Standards exceedances are shown on **Figure 6**. Stream sediment sample locations are identified as SED-1 through SED-7 with laboratory data and soil risk assessment results summarized on **Table 8**.

Surface water and stream sediment samples were collected, placed in a cooler with ice, and delivered under chain-of-custody protocol to Eurofins for analysis of 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 9056A, 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-7. 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. Detected constituents were input into the NCDEQ Risk Calculator for the recreator/trespasser receptor at each of the respective sediment sampling locations. 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. Exceedances of the 15A NCAC 02B (2B Standards) surface water quality standards as well as the results of the recreator/trespasser risk assessment are shown on **Figure 6**.

4.1.2 Sediment Sampling

Table 8 summarizes sediment analytical results for samples collected from locations SED-1 through SED-7. 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. Detected constituents were input into the NCDEQ Risk Calculator for the residential, non-residential, and recreator/trespasser receptors at each of the respective sediment sampling locations. 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 Resident Soil Screening Levels (USEPA RSLs) as well as the results of the residential risk assessment 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. Landfill gas samples were diluted to obtain results, with some constituents reported as non-detect with method detection limits higher than action levels. See **section 6.2** for further discussion.

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 was collected for the day of sampling. A duplicate was taken at LFGP-5, but the laboratory lost the sample.

Groundwater Duplicates

- One duplicate sample was collected for the day of sampling. A duplicate sample (DUPLICATE-1) was taken at MW-9 and analyzed for the same parameters as the record sample. Analytical results of the duplicate sample were within an acceptable relative difference with the record sample.

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-7/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 sample.

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 Deviations

7.1 Landfill Gas Sampling

- ◆ Three samples were lost due to a laboratory error that resulted in no analytical results for LFGP-5, LFGP-6, and LFGP-DUP samples. LFGP-DUP was sampled at LFGP-5.
- ◆ Hydrogen Sulfide sampled in the 6-liter SILO cannisters and analyzed by Method TO-15 yielded a laboratory detection limit that exceeded the residential receptor for soil gas to indoor air. Samples LFGP-1, LFGP-3, LFGP-4, LFGP-5, and LFGP-6 were resampled using Tedlar bags by Method ASTM D5504-12 and shipped to EMSL for laboratory analysis.
 - ◆ LFGP-2 was destroyed and was unable to sample.
 - ◆ LFGP-7, LFGP-8, and LFGP-9 all contained shallow groundwater above the screen and were not resampled.



8.0 Sole Use Statement

This report is solely intended for use by NCDEQ for the services that were performed in accordance with 23050630AT, dated February 17, 2025, for Task Orders 821RI-10 and 821RI-11 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

G Paul

January 12, 2026

Signature of Environmental Consultant

Date

I, *Wilma Craft*, a Notary Public of said County and State, do hereby certify that

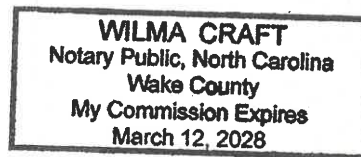
Gerald Paul did personally appear and sign before me this day, produced proper identification in the form of North Carolina Driver's License, was duly sworn or affirmed, and declared that, he or she is the duly authorized environmental consultant referenced above and that, to the best of his or her knowledge 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)

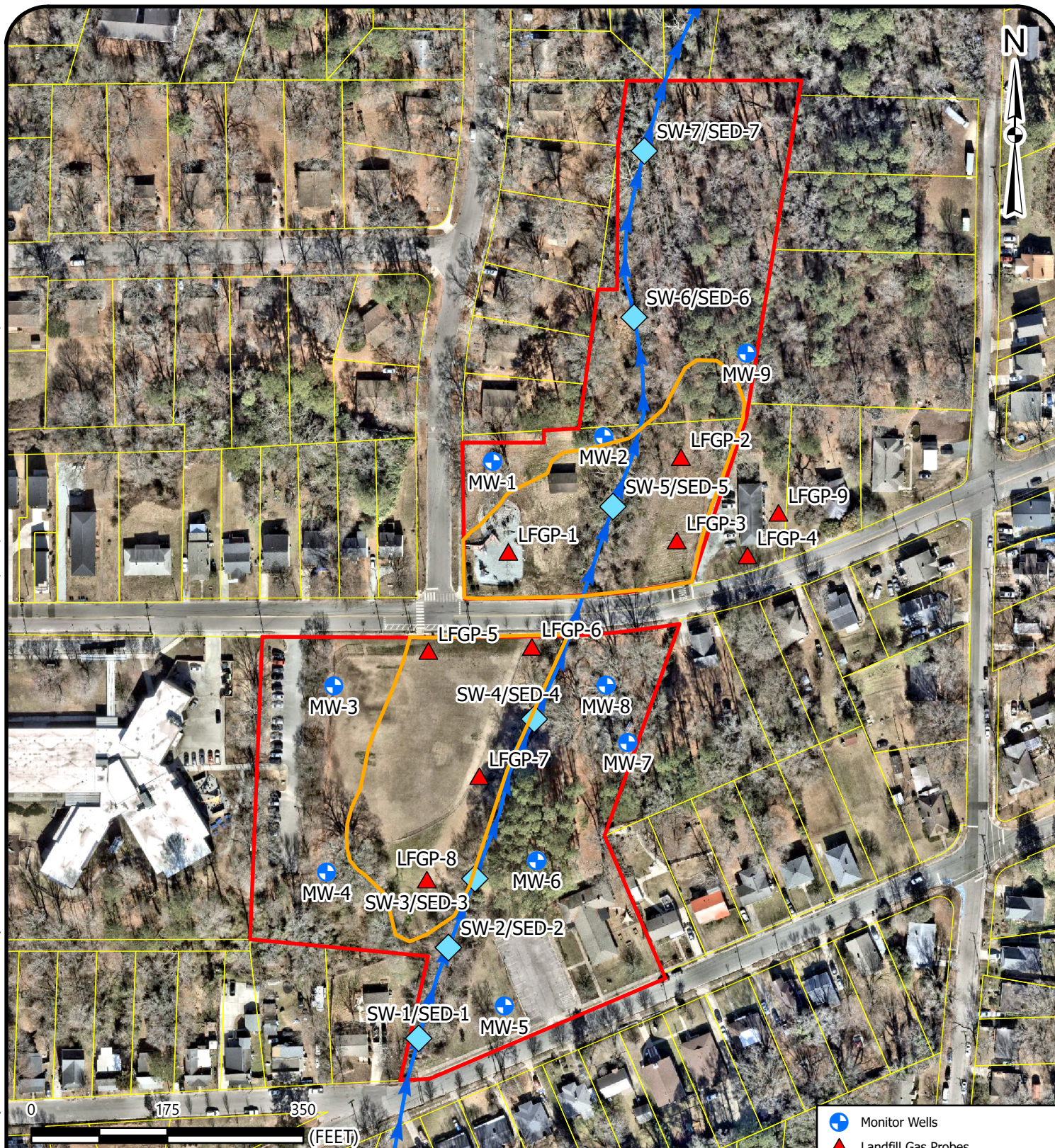
Wilma Craft

Notary Public (signature)



My commission expires: March 12, 2028

Figures



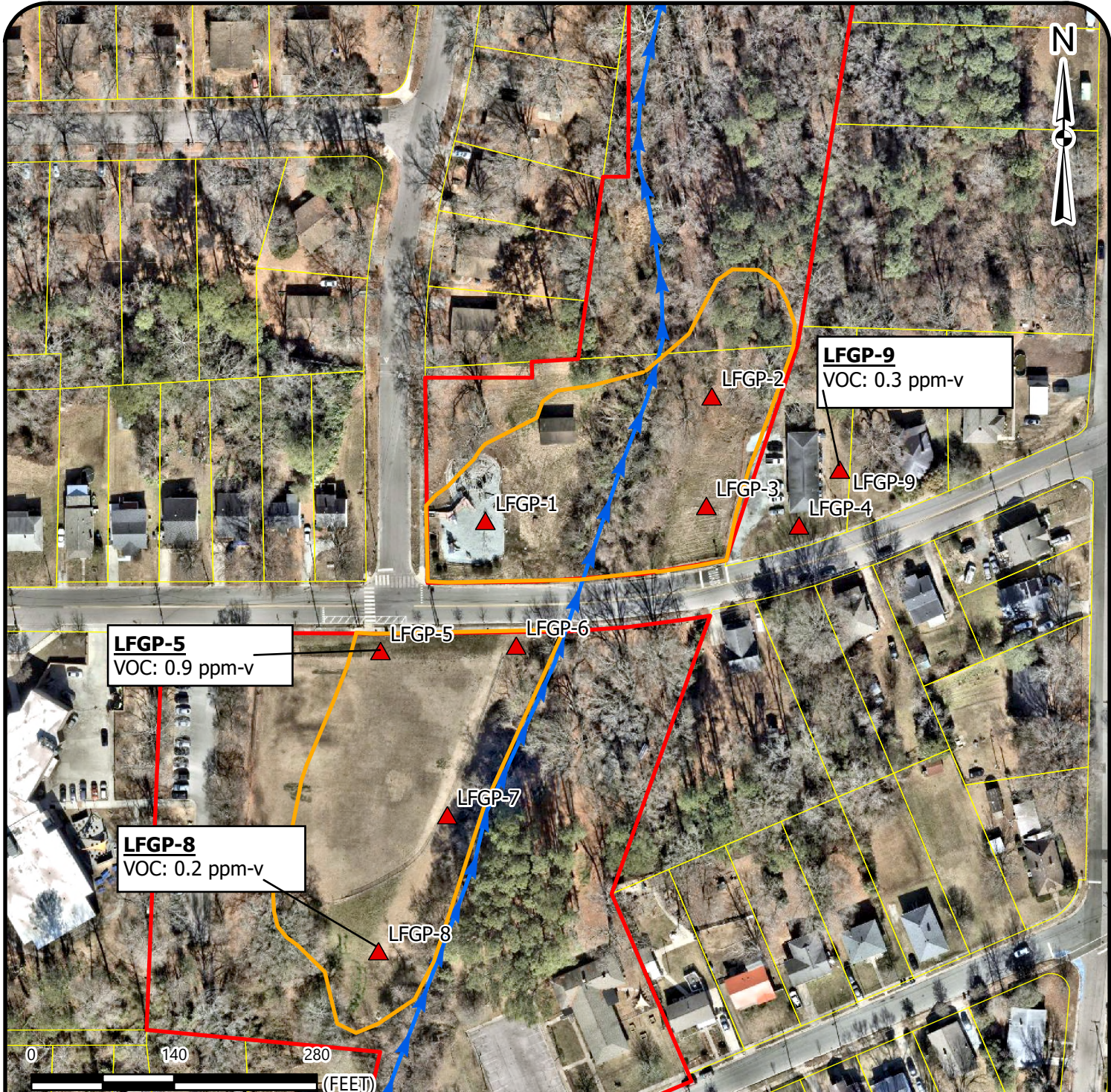
NOTES:
 STREAM FLOW IS FROM SOUTH TO NORTH.

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

- + Monitor Wells
- ▲ Landfill Gas Probes
- ◆ Surface Water/Sediment Samples
- Surface Water
- ▭ Site Boundary
- ▭ Durham County Parcels
- Estimated Waste Boundary

	SITE MAP	SCALE: 1" = 175'	FIGURE NO.
	EAST DURHAM PARK	DATE: 11/25/2025	1
	NCDEQ ID NO. NONCD0000821 TASK ORDER 821RI-10 2500 EAST MAIN STREET, DURHAM, NORTH CAROLINA	PROJECT NUMBER 23050630	

Drawing Path: T:\Raleigh-1050\Projects\2023\23050630_NCDEQ LF_City of Durham Parks (PRLF)_Durham NCVENV\GIS\LFG-MW-SUF-SED_Sample Maps\East Durham MW-LFG-SW-SED Basemap



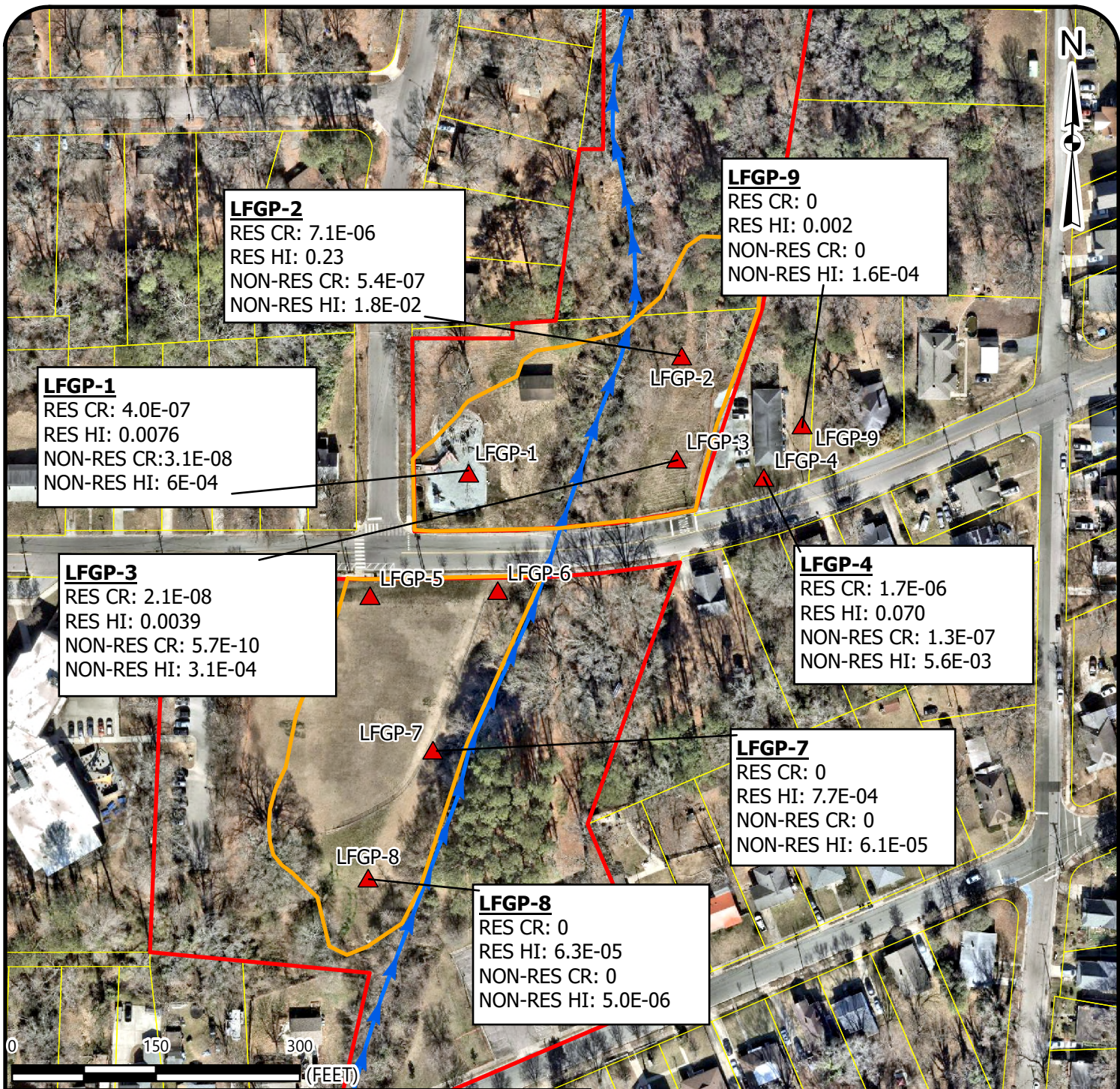
NOTES
 LANDFILL GAS SCREENING WAS CONDUCTED ON APRIL 15, 2025.
 ONLY DETECTIONS ABOVE THE BACKGROUND LEVELS ARE SHOWN. VOCs MEASURED IN PPM-V.
 VOC - VOLATILE ORGANIC CARBONS.
 PPM-V - PARTS PER MILLION BY VOLUME.
 RESULTS FROM SCREENING EVENT ARE ON TABLE 2.

REFERENCE:
 GIS BASE LAYERS WERE OBTAINED FROM THE ESRI ONLINE WORLD STREET BASE MAP.
 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 Probes
- Surface Water
- Site Boundary
- Durham County Parcels
- Estimated Waste Boundary

	LANDFILL GAS SCREENING RESULTS	SCALE: 1" = 140'	FIGURE NO.
	EAST DURHAM PARK	DATE: 11/25/2025	2
	NCDEQ ID NO. NONCD0000821 TASK ORDER 821RI-10 2500 EAST MAIN STREET, DURHAM, NORTH CAROLINA	PROJECT NUMBER 23050630	

Drawing Path: T:\Raleigh-1050\Projects\2023\23050630_NCDEQ LF_City of Durham Parks (PRLF)_Durham NCVENV\GIS\LFG-MW-SUF-SED_Sample Maps\East Durham MW-LFG-SW-SED Basemap



LFGP-1
 RES CR: 4.0E-07
 RES HI: 0.0076
 NON-RES CR: 3.1E-08
 NON-RES HI: 6E-04

LFGP-2
 RES CR: 7.1E-06
 RES HI: 0.23
 NON-RES CR: 5.4E-07
 NON-RES HI: 1.8E-02

LFGP-9
 RES CR: 0
 RES HI: 0.002
 NON-RES CR: 0
 NON-RES HI: 1.6E-04

LFGP-3
 RES CR: 2.1E-08
 RES HI: 0.0039
 NON-RES CR: 5.7E-10
 NON-RES HI: 3.1E-04

LFGP-4
 RES CR: 1.7E-06
 RES HI: 0.070
 NON-RES CR: 1.3E-07
 NON-RES HI: 5.6E-03

LFGP-8
 RES CR: 0
 RES HI: 6.3E-05
 NON-RES CR: 0
 NON-RES HI: 5.0E-06

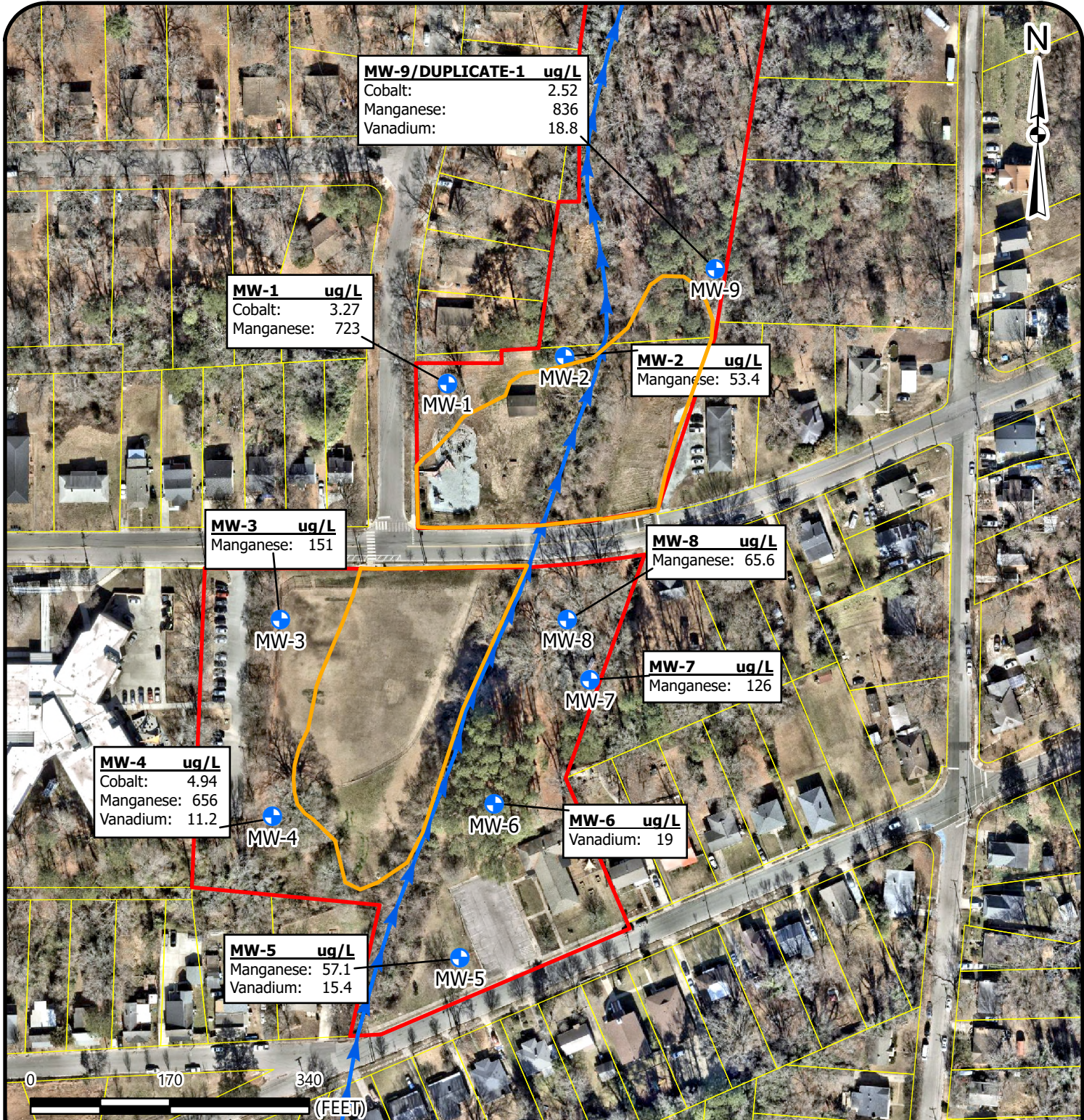
LFGP-7
 RES CR: 0
 RES HI: 7.7E-04
 NON-RES CR: 0
 NON-RES HI: 6.1E-05

NOTES
 LANDFILL GAS SAMPLING WAS CONDUCTED ON APRIL 17, 2025.
 SAMPLES LFGP-5, LFGP-6, AND LFGP-DUP WERE LOST BY THE LABORATORY.
 METHANE WAS NOT DETECTED ABOVE THE LABORATORY DETECTION LIMIT OF LESS THAN 0.45% IN ALL SAMPLES.
 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 ESRI ONLINE WORLD STREET BASE MAP.
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- ▲ Landfill Gas Probes
- ▶ Surface Water
- Site Boundary
- Durham County Parcels
- Estimated Waste Boundary

	LANDFILL GAS RISK ASSESSMENT & LABORATORY RESULTS	SCALE: 1" = 150'	FIGURE NO.
	EAST DURHAM PARK	DATE: 11/25/2025	3
	NCDEQ ID NO. NONCD0000821 TASK ORDER 821RI-10 2500 EAST MAIN STREET, DURHAM, NORTH CAROLINA	PROJECT NUMBER 23050630	

Drawing Path: T:\Raleigh-1050\Projects\2023\23050630_NCDEQ LF_City of Durham Parks (PRLF)_Durham NCVENV\GIS\LF-MW-MW-SUF-SED Sample Maps\East Durham MW-LFG-SW-SED Basemap



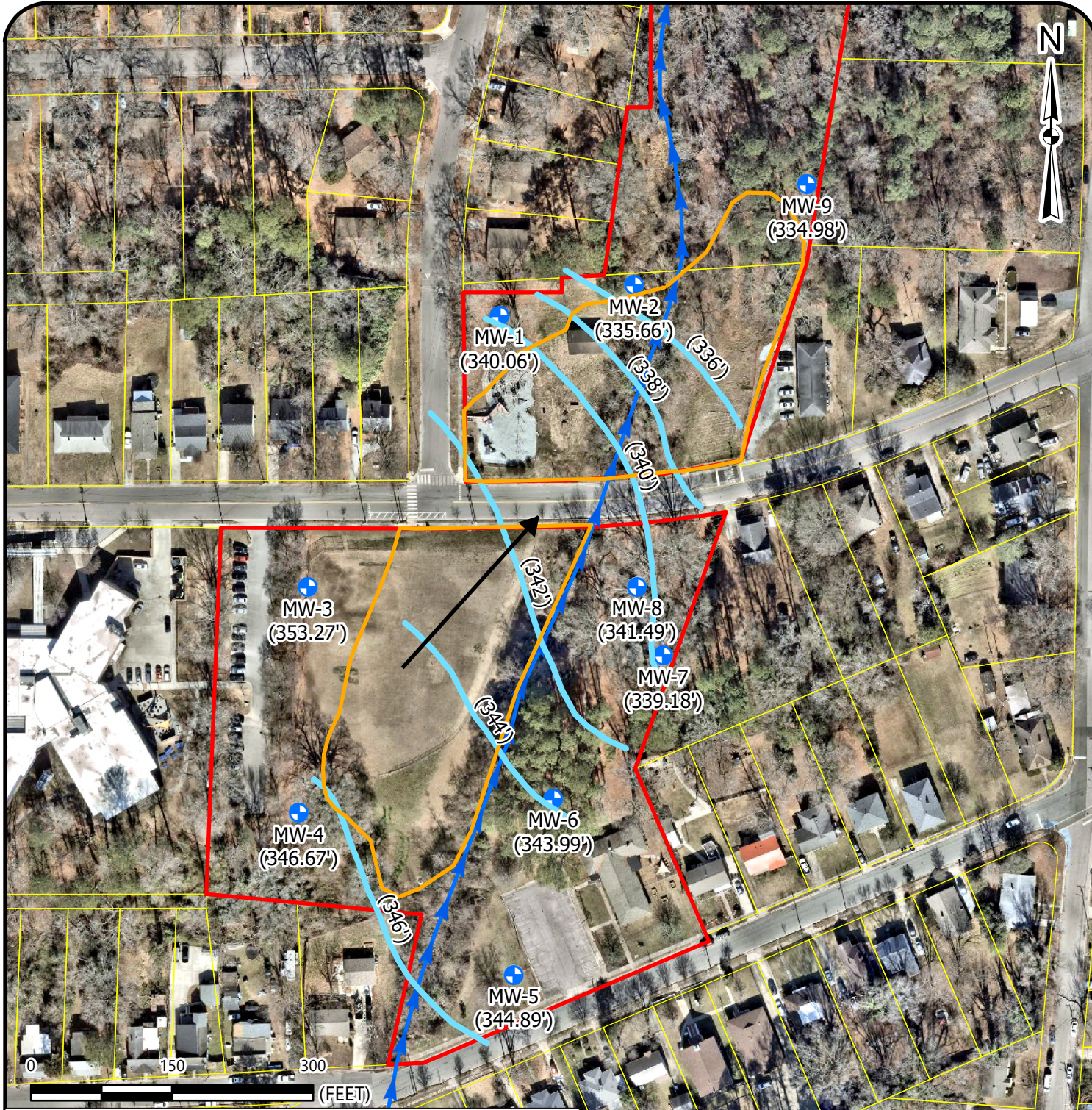
NOTES
 GROUNDWATER SAMPLING WAS CONDUCTED ON MAY 6, 2025. ANALYTES DETECTED AT CONCENTRATIONS EXCEEDING 15A NCAC 2L GROUNDWATER STANDARDS ARE SHOWN IN MICROGRAMS PER LITER (ug/L). A DUPLICATE SAMPLE WAS COLLECTED FROM MW-9. THE HIGHER DETECTED CONCENTRATION BETWEEN THE TWO IS SHOWN.

REFERENCE:
 GIS BASE LAYERS WERE OBTAINED FROM THE ESRI ONLINE WORLD STREET BASE MAP. 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
- Site Boundary
- Durham County Parcels
- Estimated Waste Boundary
- Monitor Wells

	GROUNDWATER ANALYTICAL RESULTS	SCALE: 1" = 170'	4 FIGURE NO.
	EAST DURHAM PARK	DATE: 11/25/2025	
	NCDEQ ID NO. NONCD0000821 TASK ORDER 821RI-10 2500 EAST MAIN STREET, DURHAM, NORTH CAROLINA	PROJECT NUMBER 23050630	

Drawing Path: T:\Ra\1050\Projects\2023\23050630_NCDEQ LE City of Durham Parks (PRLF)_Durham NCVENV\GIS\LFG-MW-SUF-SED Sample Maps\East Durham MW-LFG-SW-SED Basemap



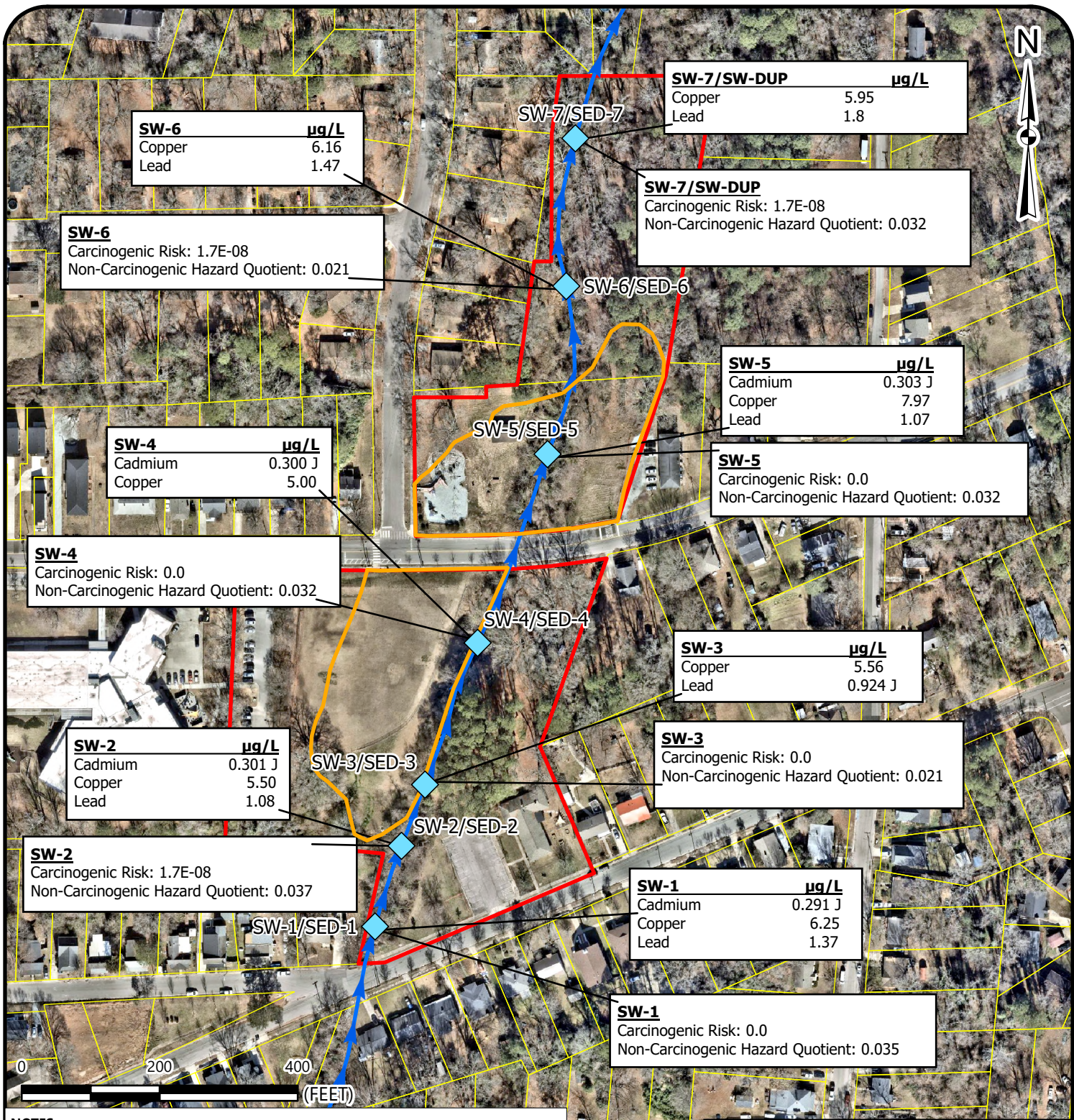
NOTES
 DEPTH TO GROUNDWATER WAS MEASURED ON MAY 6, 2025.
 GROUNDWATER ELEVATIONS ARE SHOWN IN FEET ABOVE MEAN SEA LEVEL (FT-AMSLI).
 MW-3 AND MW-7 WERE EXCLUDED FOR THE PURPOSE OF CALCULATING GROUNDWATER FLOW. STREAM FLOW IS FROM SOUTH TO NORTH. APPROXIMATE DIRECTION OF GROUNDWATER FLOW IS DEPICTED WITH THE ARROW.

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

- Potentiometric Contours
- Monitor Wells
- Surface Water
- Site Boundary
- Durham County Parcels
- Estimated Waste Boundary

	GROUNDWATER POTENTIOMETRIC MAP	SCALE: 1" = 150'	FIGURE NO.
	EAST DURHAM PARK NCDEQ ID NO. NONCD0000821 TASK ORDER 821RI-10 2500 EAST MAIN STREET, DURHAM, NORTH CAROLINA	DATE: 11/25/2025	5
		PROJECT NUMBER 23050630	

Drawing Path: T:\Raleigh\1050\Projects\2023\23050630_NCDEQ LF_City of Durham Parks (PRLF)_Durham NCVENV\GIS\LF-MW-SUF-SED Sample Maps\East Durham MW-LFG-SW-SED Basemap



SW-7/SW-DUP		µg/L
Copper		5.95
Lead		1.8

SW-6		µg/L
Copper		6.16
Lead		1.47

SW-6	Carcinogenic Risk: 1.7E-08
	Non-Carcinogenic Hazard Quotient: 0.021

SW-7/SW-DUP	Carcinogenic Risk: 1.7E-08
	Non-Carcinogenic Hazard Quotient: 0.032

SW-5		µg/L
Cadmium		0.303 J
Copper		7.97
Lead		1.07

SW-4		µg/L
Cadmium		0.300 J
Copper		5.00

SW-5	Carcinogenic Risk: 0.0
	Non-Carcinogenic Hazard Quotient: 0.032

SW-4	Carcinogenic Risk: 0.0
	Non-Carcinogenic Hazard Quotient: 0.032

SW-3		µg/L
Copper		5.56
Lead		0.924 J

SW-2		µg/L
Cadmium		0.301 J
Copper		5.50
Lead		1.08

SW-3	Carcinogenic Risk: 0.0
	Non-Carcinogenic Hazard Quotient: 0.021

SW-2	Carcinogenic Risk: 1.7E-08
	Non-Carcinogenic Hazard Quotient: 0.037

SW-1		µg/L
Cadmium		0.291 J
Copper		6.25
Lead		1.37

SW-1	Carcinogenic Risk: 0.0
	Non-Carcinogenic Hazard Quotient: 0.035

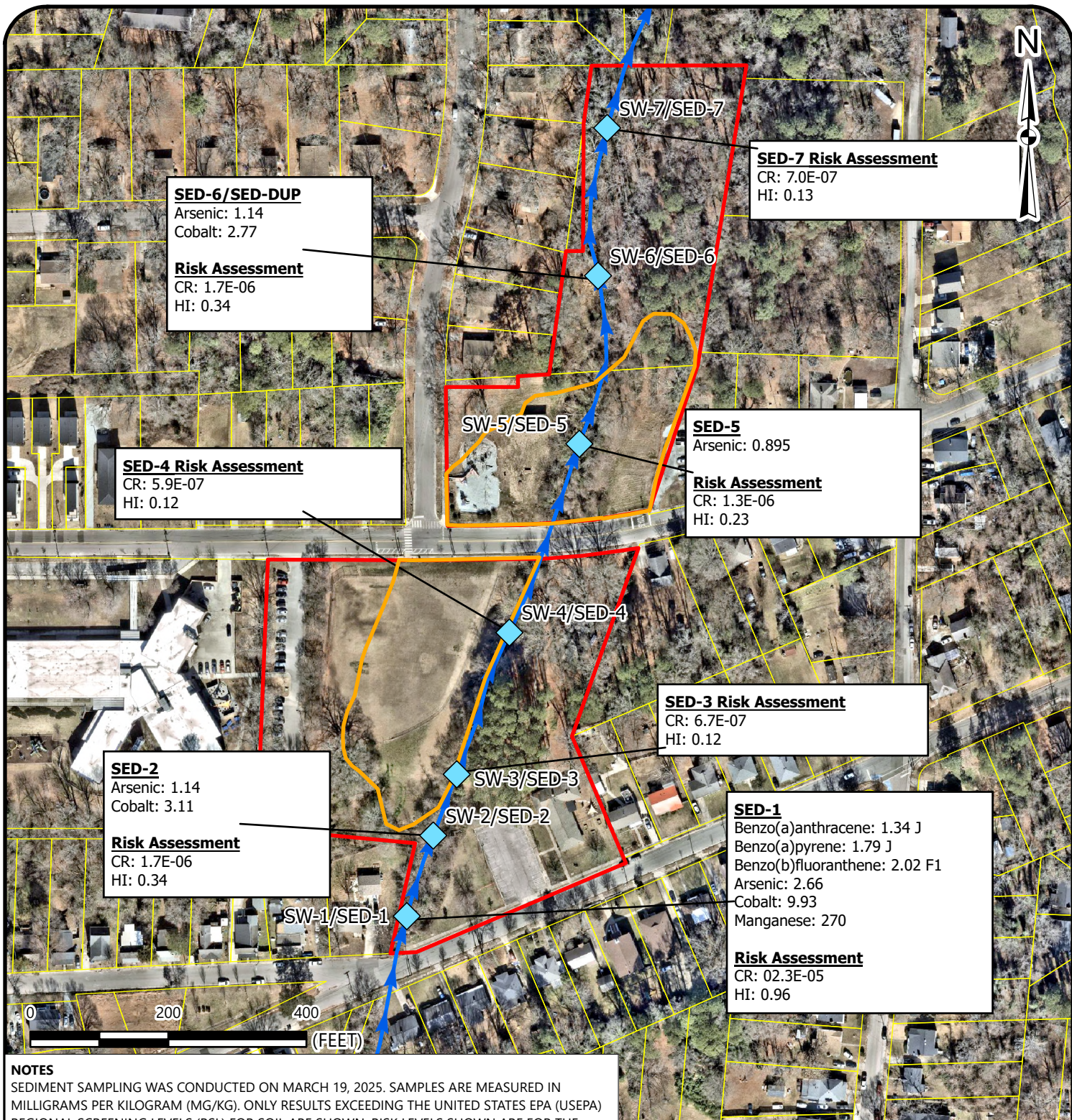
NOTES
 SURFACE WATER FLOWS FROM SOUTH TO NORTH. SURFACE WATER SAMPLING WAS CONDUCTED ON MARCH 19, 2025. SAMPLES ARE MEASURED IN MICROGRAMS PER LITER (µg/L). ONLY ANALYTICAL RESULTS EXCEEDING THE NCAC 2B STANDARDS ARE SHOWN. RISK LEVELS SHOWN ARE FOR THE RECREATOR/TRESPASSER RECEPTOR.

REFERENCE:
 GIS BASE LAYERS WERE OBTAINED FROM THE ESRI ONLINE WORLD STREET BASE MAP. 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/ Sediment Samples
- ▶ Surface Water
- Site Boundary
- Durham County Parcels
- Estimated Waste Boundary

	SURFACE WATER ANALYTICAL RESULTS	SCALE: 1" = 200'	FIGURE NO.
	EAST DURHAM PARK NCDEQ ID NO. NONCD0000821 TASK ORDER 821RI-10 2500 EAST MAIN STREET, DURHAM, NORTH CAROLINA	DATE: 11/25/2025 PROJECT NUMBER 23050630	6

Drawing Path: T:\Raleigh-1050\Projects\2023\23050630_NCDEQ LF_City of Durham Parks (PRLF)_Durham NCVENV\GIS\LF-GW-SUF-SED Sample Maps\East Durham MW-LFG-SW-SED Basemap



SED-6/SED-DUP
 Arsenic: 1.14
 Cobalt: 2.77
Risk Assessment
 CR: 1.7E-06
 HI: 0.34

SED-7 Risk Assessment
 CR: 7.0E-07
 HI: 0.13

SED-4 Risk Assessment
 CR: 5.9E-07
 HI: 0.12

SED-5
 Arsenic: 0.895
Risk Assessment
 CR: 1.3E-06
 HI: 0.23

SED-2
 Arsenic: 1.14
 Cobalt: 3.11
Risk Assessment
 CR: 1.7E-06
 HI: 0.34

SED-3 Risk Assessment
 CR: 6.7E-07
 HI: 0.12

SED-1
 Benzo(a)anthracene: 1.34 J
 Benzo(a)pyrene: 1.79 J
 Benzo(b)fluoranthene: 2.02 F1
 Arsenic: 2.66
 Cobalt: 9.93
 Manganese: 270
Risk Assessment
 CR: 02.3E-05
 HI: 0.96

NOTES
 SEDIMENT SAMPLING WAS CONDUCTED ON MARCH 19, 2025. SAMPLES ARE MEASURED IN MILLIGRAMS PER KILOGRAM (MG/KG). ONLY RESULTS EXCEEDING THE UNITED STATES EPA (USEPA) REGIONAL SCREENING LEVELS (RSL) FOR SOIL ARE SHOWN. RISK LEVELS SHOWN ARE FOR THE RESIDENTIAL RECEPTOR.
 J: LABORATORY ESTIMATED VALUE
 F1: MS AND/OR MSD RECOVERY EXCEEDS CONTROL LIMITS
 CR: CARCINOGENIC RISK
 HI: HAZARD INDEX

REFERENCE:
 GIS BASE LAYERS WERE OBTAINED FROM THE ESRI ONLINE WORLD STREET BASE MAP. 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/ Sediment Samples
- ▶ Surface Water
- Site Boundary
- Durham County Parcels
- Estimated Waste Boundary

	SEDIMENT SAMPLE ANALYTICAL RESULTS	SCALE: 1" = 200'	FIGURE NO.
	EAST DURHAM PARK	DATE: 11/25/2025	7
	NCDEQ ID NO. NONCD0000821 TASK ORDER 821RI-10 2500 EAST MAIN STREET, DURHAM, NORTH CAROLINA	PROJECT NUMBER 23050630	

Tables



TABLE 1
Landfill Gas Probe & Gas Implant Construction Details
City of Durham Parks - East Durham Park (NONCD0000821)
2500 East Main Street, Durham, Durham County, North Carolina
S&ME Project No. 23050630 Task Order RI-10

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	4/10/25	Flushmount-Gas Implant	1/4-in tubing	3.0	NA			2.5	-	3.0	0.0	-	1.5	1.5	-	2.0	2.0	-	3.0
LFGP-2	4/10/25	Flushmount-Gas Implant	1/4-in tubing	3.0	NA			2.5	-	3.0	0.0	-	1.5	1.5	-	2.0	2.0	-	3.0
LFGP-3	4/10/25	Flushmount-Gas Implant	1/4-in tubing	3.0	NA			2.5	-	3.0	0.0	-	1.5	1.5	-	2.0	2.0	-	3.0
LFGP-4	4/10/25	Flushmount-Gas Implant	1/4-in tubing	3.0	NA			2.5	-	3.0	0.0	-	1.5	1.5	-	2.0	2.0	-	3.0
LFGP-5	4/9/25	Flushmount-Gas Probe	1-in Sch 40 PVC	10.0	0.0	-	5.0	5.0	-	10.0	0.0	-	4.0	3.0	-	4.0	4.0	-	10.0
LFGP-6	4/9/25	Flushmount-Gas Probe	1-in Sch 40 PVC	9.0	0.0	-	4.0	4.0	-	9.0	3.0	-	4.0	0.0	-	3.0	4.0	-	9.0
LFGP-7	4/9/25	Flushmount-Gas Probe	1-in Sch 40 PVC	10.0	0.0	-	5.0	5.0	-	10.0	0.0	-	4.0	3.0	-	4.0	4.0	-	10.0
LFGP-8	4/9/25	Flushmount-Gas Probe	1-in Sch 40 PVC	9.0	0.0	-	4.0	4.0	-	9.0	3.0	-	4.0	0.0	-	3.0	4.0	-	9.0
LFGP-9	4/10/25	Flushmount-Gas Implant	1/4-in tubing	3.0	NA			2.5	-	3.0	0.0	-	1.5	1.5	-	2.0	2.0	-	3.0

Notes:

LFGP-1, LFGP-2, LFGP-3, LFGP-4, and LFGP-9 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 Durham Park (NONCD0000821)
2500 East Main Street, Durham, Durham County, North Carolina
S&ME Project No. 23050630 Task Order RI-11

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	4/15/2025	0.0	0.0	0.0	0.0
BG-2	4/15/2025	0.0	0.0	0.0	0.0
BG-3	4/15/2025	0.0	0.0	0.0	0.0
BG-4	4/15/2025	0.0	0.0	0.0	0.0
LFGP-1	4/15/2025	0.0	0.0	0.0	0.0
LFGP-2	4/15/2025	0.0	0.0	0.0	0.0
LFGP-3	4/15/2025	0.0	0.0	0.0	0.0
LFGP-4	4/15/2025	0.0	0.0	0.0	0.0
LFGP-5	4/15/2025	0.9	0.0	0.0	0.0
LFGP-6	4/15/2025	0.0	0.0	0.0	0.0
LFGP-7	4/15/2025	0.0	0.0	0.0	0.0
LFGP-8	4/15/2025	0.2	0.0	0.0	0.0
LFGP-9	4/15/2025	0.3	0.0	0.0	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 Durham Park (NONCD0000821)
2500 East Main Street, Durham, Durham County, North Carolina
S&ME Project No. 23050630 Task Order RI-11

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
			Date Collected	4/17/2025	4/17/2025	4/17/2025	4/17/2025			4/16/2025	4/16/2025	4/17/2025
Volatile Organic Compounds by Method TO-15 (µg/m3)	1,1,1,2-Tetrachloroethane	630-20-6		<10	<10	<15	<10			<10	<15	<15
	1,1,1-Trichloroethane	71-55-6		<8.2	<8.2	<12	<8.2			<8.2	<12	<12
	1,1,2,2-Tetrachloroethane	79-34-5		<10	<10	<15	<10			<10	<15	<15
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1		<11	<11	<17	<11			<11	<17	<17
	1,1,2-Trichloroethane	79-00-5		<8.2	<8.2	<12	<8.2			<8.2	<12	<12
	1,1-Dichloroethane	75-34-3		<6.1	<6.1	<9.1	<6.1			<6.1	<9.1	<9.1
	1,1-Dichloroethylene	75-35-4		<5.9	<5.9	<8.9	<5.9			<5.9	<8.9	<8.9
	1,2,4-Trimethylbenzene	95-63-6		<7.4	11 J	<11	<7.4			<7.4	<11	<11
	1,2-Dibromoethane (EDB)	106-93-4		<12	<12	<17	<12			<12	<17	<17
	1,2-Dichlorobenzene	95-50-1		<9.0	<9.0	<14	<9.0			<9.0	<14	<14
	1,2-Dichloroethane	107-06-2		<6.1	<6.1	<9.1	<6.1			<6.1	<9.1	<9.1
	1,2-Dichloropropane	78-87-5		<6.9	<6.9	<10	<6.9			<6.9	<10	<10
	1,2-Dichlorotetrafluoroethane	76-14-2		<10	<10	<16	<10			<10	<16	<16
	1,3,5-Trimethylbenzene	108-67-8		<7.4	<7.4	<11	<7.4			<7.4	<11	<11
	1,3-Butadiene	106-99-0		<3.3	6.8 J	<5.0	4.1 J			<3.3	<5.0	<5.0
	1,3-Dichlorobenzene	541-73-1		<9.0	<9.0	<14	<9.0			<9.0	<14	<14
	1,4-Dichlorobenzene	106-46-7		<9.0	<9.0	<14	<9.0			<9.0	<14	<14
	1,4-Dioxane	123-91-1		<5.4	<5.4	<8.1	<5.4			<5.4	<8.1	<8.1
	2-Butanone (MEK)	78-93-3		<4.4	12	<6.6	29			12	11 J	13 J
	2-Chlorotoluene	95-49-8		<7.8	<7.8	<12	<7.8			<7.8	<12	<12
	2-Hexanone (MBK)	591-78-6		<6.1	<6.1	<9.2	<6.1			<6.1	<9.2	<9.2
	4-Methyl-2-pentanone (MIBK)	108-10-1		<17	<17	<26	<17			<17	<26	<26
	Allyl chloride	107-05-1		<4.7	<4.7	<7.0	<4.7			<4.7	<7.0	<7.0
	Benzene	71-43-2		4.8	7.2	<7.2	4.8			<4.8	<7.2	<7.2
	Benzyl Chloride	100-44-7		<7.8	<7.8	<12	<7.8			<7.8	<12	<12
	Bromomethane	75-25-2		<16	<16	<23	<16			<16	<23	<23
	Bromomethane	74-83-9		<5.8	<5.8	<8.7	<5.8			<5.8	<8.7	<8.7
	Carbon Disulfide	75-15-0		<12	14	<18	150			<12	<18	23
	Carbon Tetrachloride	56-23-5		<9.4	<9.4	<14	<9.4			<9.4	<14	<14
	Chlorobenzene	108-90-7		<6.9	<6.9	<10	<6.9			<6.9	<10	<10
	Chloroethane	75-00-3		<4.0	<4.0	<5.9	<4.0			<4.0	<5.9	<5.9
	Chloroform	67-66-3		<7.3	<7.3	<11	<7.3			<7.3	<11	<11
	Chloromethane	74-87-3		<3.1	<3.1	<4.6	<3.1			<3.1	<4.6	<4.6
	cis-1,2-Dichloroethylene	156-59-2		<5.9	<5.9	<8.9	<5.9			<5.9	<8.9	<8.9
	cis-1,3-Dichloropropene	10061-01-5		<6.8	<6.8	<10	<6.8			<6.8	<10	<10
	Cyclohexane	110-82-7		<5.2	<5.2	<7.7	<5.2			<5.2	<7.7	<7.7
	Dibromochloromethane	124-48-1		<13	<13	<19	<13			<13	<19	<19
	Dichlorodifluoromethane	75-71-8		<19	<19	<28	<19			<19	<28	<28
	Ethyl acetate	141-78-6		<5.4	<5.4	<8.1	<5.4			<5.4	<8.1	<8.1
	Ethylbenzene	100-41-4		<6.5	<6.5	<9.8	<6.5			<6.5	<9.8	<9.8
	Heptane	142-82-5		20	<6.1	<9.2	<6.1			9.8 J	<9.2	<9.2
	Hexachlorobutadiene	87-68-3		<16	<16	<24	<16			<16	<24	<24
	Hexane	110-54-3		37	5.8 J	8.3 J	<5.3			<5.3	<7.9	24
	Isopropylbenzene	98-82-8		<7.4	<7.4	<11	<7.4			<7.4	<11	<11
	m+p-Xylenes	179601-23-1		<13	<13	<20	<13			<13	<20	<20
	Methyl methacrylate	80-62-6		<6.1	<6.1	<9.2	<6.1			<6.1	<9.2	<9.2
	Methylene chloride	75-09-2		<13	<13	70	<13			<13	<20	<20
	Methyl-t-butyl ether (MTBE)	1634-04-4		<5.4	<5.4	<8.1	<5.4			<5.4	<8.1	<8.1
	Naphthalene	91-20-3		<7.9	12	<12	<7.9			<7.9	<12	<12
	o-Xylene	95-47-6		<6.5	<6.5	<9.8	<6.5			<6.5	<9.8	<9.8
	Propylene	115-07-1		<2.1	74	25	34			<2.1	<3.1	<3.1
	Styrene	100-42-5		<6.4	<6.4	<9.6	<6.4			<6.4	<9.6	<9.6
	TBA	75-65-0		<11	<11	<17	<11			<11	<17	<17
	Tetrachloroethylene (PCE)	127-18-4		<10	<10	<15	<10			<10	<15	<15
	Tetrahydrofuran	109-99-9		<4.4	<4.4	<6.6	<4.4			<4.4	<6.6	<6.6
	Toluene	108-88-3		<5.7	7.3 J	<8.5	6.2 J			<5.7	<8.5	<8.5
	trans-1,2-Dichloroethylene	156-60-5		<5.9	<5.9	<8.9	<5.9			<5.9	<8.9	<8.9
	trans-1,3-Dichloropropene	10061-02-6		<6.8	<6.8	<10	<6.8			<6.8	<10	<10
	Trichloroethylene	79-01-6		<8.1	<8.1	<12	<8.1			<8.1	<12	<12
	Trichlorofluoromethane	75-69-4		<21	<21	<32	<21			<21	<32	<32
Vinyl acetate	108-05-4		<5.3	<5.3	<7.9	<5.3			<5.3	<7.9	<7.9	
Vinyl bromide	593-60-2		<6.6	<6.6	<9.8	<6.6			<6.6	<9.8	<9.8	
Vinyl chloride	75-01-4		<3.8	<3.8	<5.8	<3.8			<3.8	<5.8	<5.8	
Xylenes, Total	1330-20-7		<20	<20	<29	<20			<20	<29	<29	
ASTM D5504-12 (ug/m3)	Hydrogen Sulfide	7783-06-4		<14	NS*	<14	<14	<14	<14	NS*	NS*	NS*
NIOSH 6009 (µg/m3)	Mercury	7439-97-6		<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83
EPA Method 3C (%)	Methane	74-82-8		<0.45	<0.45	<0.45	<0.45	Samples Lost	Samples Lost	<0.45	<0.45	<0.45
NCDEQ Risk Calculator	Vapor Intrusion Resident Soil Gas to Indoor Air	Cumulative Carcinogenic Risk	4.00E-07	7.10E-06	2.10E-08	1.70E-06	Not Calculated	0.00E+00	0.00E+00	0.00E+00		
		Non-Carcinogenic Hazard	0.0076	0.23	0.0039	0.070	Not Calculated	7.70E-04	6.30E-05	0.002		
	Vapor Intrusion Non-Residential Worker Soil Gas to Indoor Air	Cumulative Carcinogenic Risk	3.10E-08	5.40E-07	5.70E-10	1.30E-07	Not Calculated	0.00E+00	0.00E+00	0.00E+00		
		Non-Carcinogenic Hazard	6.00E-04	1.80E-02	3.10E-04	5.60E-03	Not Calculated	6.10E-05	5.00E-06	1.60E-04		

Notes:
 LFGP-5, LFGP-6, and LFGP-DUP samples were lost by the laboratory.
 Hydrogen Sulfide was resampled on 6/30/2025 and submitted to EMSL for analysis, results are shown on table
 NS* : Not Sampled, while resampling for Hydrogen Sulfide, LFGP-2 was destroyed and LFGP-7, 8, and 9 had shallow water and no sample was collected.
 µg/m³: micrograms per cubic meter.
 Concentrations shown in **BOLD** exceed the laboratory detection limits.
 Compound not in January 2025 NCDEQ Risk Calculator, concentration not entered.
 Exceeds the Lower Explosive Limit (LEL) of methane which is 5% by volume, exceedances of the LEL are highlighted.
 Concentrations shown in **BOLD** exceed the laboratory method detection limit.
 NCDEQ Risk Calculator Values shown in **red** exceed risk.



TABLE 4
Groundwater Monitor Well Construction & Groundwater Level
City of Durham Parks - East Durham Park (NONCD0000821)
2500 East Main Street, Durham, Durham County, North Carolina
S&ME Project No. 23050630 Task Order RI-11

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)
					Start	End	to	Start	End	to	Start	End	to	Start	End	to	Start	End	to				
MW-1	4/22/25	Flush Mount - Monitoring Well	2-in Sch 40 PVC	33.0	0.0	to	23.0	23.0	to	33.0	0.0	to	19.0	19.0	to	21.0	21.0	to	33.0	346.84	5/6/2025	6.78	340.06
MW-2	4/22/25	Flush Mount - Monitoring Well	2-in Sch 40 PVC	43.0	0.0	to	33.0	33.0	to	43.0	0.0	to	29.0	29.0	to	31.0	31.0	to	43.0	344.81	5/6/2025	9.15	335.66
MW-3	4/22/25	Flush Mount - Monitoring Well	2-in Sch 40 PVC	53.0	0.0	to	33.0	33.0	to	53.0	0.0	to	29.0	29.0	to	31.0	31.0	to	53.0	354.09	5/6/2025	0.82	353.27
MW-4	4/23/25	Flush Mount - Monitoring Well	2-in Sch 40 PVC	53.0	0.0	to	33.0	33.0	to	53.0	0.0	to	29.0	29.0	to	31.0	31.0	to	53.0	351.79	5/6/2025	5.12	346.67
MW-5	4/23/25	Flush Mount - Monitoring Well	2-in Sch 40 PVC	48.0	0.0	to	28.0	28.0	to	48.0	0.0	to	24.0	24.0	to	26.0	26.0	to	48.0	349.88	5/6/2025	4.99	344.89
MW-6	4/23/25	Flush Mount - Monitoring Well	2-in Sch 40 PVC	16.0	0.0	to	6.0	6.0	to	16.0	0.0	to	4.0	4.0	to	5.0	5.0	to	16.0	351.82	5/6/2025	7.83	343.99
MW-7	4/23/25	Flush Mount - Monitoring Well	2-in Sch 40 PVC	33.0	0.0	to	13.0	13.0	to	33.0	0.0	to	9.0	9.0	to	11.0	11.0	to	33.0	346.62	5/6/2025	7.44	339.18
MW-8	4/24/25	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	343.62	5/6/2025	2.13	341.49
MW-9	4/24/25	Flush Mount - Monitoring Well	2-in Sch 40 PVC	22.0	0.0	to	7.0	7.0	to	22.0	0.0	to	4.0	4.0	to	5.0	5.0	to	22.0	338.71	5/6/2025	3.73	334.98

Notes:

ft-bgs: feet below ground surface

ft-amsl: feet above mean sea level

in: inches

Monitoring Well locations are indicated on **Figure 1**.



TABLE 5
Groundwater Field Screening Parameters
City of Durham Parks - East Durham Park (NONCD0000821)
2500 East Main Street, Durham, Durham County, North Carolina
S&ME Project No. 23050630 Task Order RI-11

Sample Location ID	Date	Field Parameter			
		pH	Temperature (°C)	Conductivity (µS/cm)	Turbidity (NTU)
MW-1	5/6/2025	7.8	17.7	812	8.0
MW-2	5/6/2025	8.3	17.7	758	7.7
MW-3	5/6/2025	8.2	19.0	644	8.7
MW-4	5/6/2025	8.3	18.3	554	922
MW-5	5/6/2025	7.3	20.2	354	21
MW-6	5/6/2025	7.1	17.3	262	38
MW-7	5/6/2025	7.4	17.3	578	33
MW-8	5/6/2025	7.1	16.9	648	39
MW-9	5/6/2025	7.9	15.9	459	145

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 Durham Park (NONCD0000821)
 2500 East Main Street, Durham, Durham County, North Carolina
 S&ME Project No. 23050630 Task Order RI-11

Analytical Method		Method 8260D - Volatile Organic Compounds (µg/l)			Method 8270E SIM (µg/L)	Metals by EPA Method 6020B (µg/L)														Method 7471B (µg/L)	Method 9056A (mg/L)	
CAS Number		71-43-2	74-87-3	141-78-6	123-91-1	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	7440-62-2	7440-66-6	7439-97-6	14797-55-8	14808-79-8	
Analyte		Benzene	Chloromethane	Ethyl Acetate	1,4-Dioxane	Arsenic	Barium	Beryllium	Cadmium	Chromium, Total	Cobalt	Copper	Lead	Manganese	Nickel	Selenium	Vanadium	Zinc	Mercury	Nitrate as (N)	Sulfate	
Sample ID	Date Collected																					
MW-1	5/6/2025	<0.5	0.624 J	<6.14	<0.296	1.43 J	255	<0.2	<0.078	<1.2	3.27	2.09 J	0.41 J	723	4.23 J	1.25 J	4.48 J	<2.8	<0.08	0.0644 J	58.6	
MW-2	5/6/2025	<0.5	0.951 J	<6.14	<0.281	<0.86	575	<0.2	0.1 J	<1.2	<0.22	<1.08	<0.21	53.4	0.97 J	<0.99	0.955 J	3.46 J	<0.08	<0.063	17.3	
MW-3	5/6/2025	0.51 J	0.828	<6.14	<0.292	8.15	433	<0.2	<0.078	<1.2	0.89	<1.08	<0.21	151	2.92 J	1 J	1.78 J	5.91 J	<0.08	<0.063	22.2	
MW-4	5/6/2025	0.549 J	1.07	<6.14	<0.283	1.66 J	286	1.48	<0.078	<1.2	4.94	4.79 J	2.61	656	7.82	1.41 J	11.2	13.3 J	<0.08	<0.063	11.9	
MW-5	5/6/2025	0.55 J	0.826 J	<6.14	<0.283	1.17 J	135	<0.2	<0.078	3 J	0.38 J	<1.08	<0.21	57.1	1.14 J	<0.99	15.4	3.29 J	0.0826 J	1.12	16.7	
MW-6	5/6/2025	<0.5	0.504 J	<6.14	<0.304	<0.86	37.4	<0.2	<0.078	3.48 J	0.895	3.34 J	<0.21	40.8	2.32 J	<0.99	19	<2.8	<0.08	1.12	17.0	
MW-7	5/6/2025	0.691 J	0.817 J	<6.14	<0.279	1.39 J	379	<0.2	<0.078	<1.2	0.36 J	<1.08	<0.21	126	1.55 J	<0.99	2.42 J	3.2 J	<0.08	<0.063	35.3	
MW-8	5/6/2025	0.668 J	2.25	<6.14	0.692	<0.86	104	<0.2	<0.078	<1.2	0.34 J	1.36 J	0.5 J	65.6	1.97 J	<0.99	4.95 J	6.09 J	<0.08	<0.063	74.9	
MW-9	5/6/2025	0.509 J	1.72	6.79 J	<0.294	6.14	282	0.385 J	<0.078	<1.2	2.52	1.66 J	0.485 J	836	6.47	1.67 J	15.8	6.04 J	<0.08	<0.063	22.0	
DUPLICATE-1	5/6/2025	0.801 J	0.531 J	<6.14	2.18	5.1	294	<0.2	<0.078	<1.2	2.25	1.16 J	0.235 J	752	5.42	2.01 J	18.8	4.36 J	<0.08	0.179	20.3	
15A NCAC 2L Groundwater Standards & IMACs		1	3	3000	3	10	700	4	2	10	1	1000	15	50	100	20	7	1000	1	10	250	

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.

[Yellow Highlight] All detections that exceed the 15 NCAC 2L Standards are highlighted.

J: The reported result is an estimated value.

DUPLICATE-1 was taken at MW-9.



Table 7
Surface Water Sample Analytical Results Summary
 City of Durham Parks - East Durham Park (NONCD0000821)
 2500 East Main Street, Durham, Durham County, North Carolina
 S&ME Project No. 23050630 Task Order RI-11

Analytical Method		Method 8270E SIM (µg/L)	Method 6020B (µg/L)								Method 350.1 (mg/L)	Method 9056A (mg/L)		NCDEQ Risk Calculator for Direct Contact Recreator/Trespasser Receptor	
CAS Number		123-91-1	7440-39-3	7440-43-9	7440-48-4	7440-50-8	7439-92-1	7439-96-5	7440-02-0	7440-66-6	7664-41-7	14797-55-8	14808-79-8	Cumulative Carcinogenic Risk	Non-Carcinogenic Hazard Quotient
Analyte		1,4-Dioxane	Barium	Cadmium	Cobalt	Copper	Lead	Manganese	Nickel	Zinc	Ammonia Nitrogen	Nitrate as (N)	Sulfate		
Sample ID	Date Collected														
SW-1	3/19/2025	<0.282	84.3	0.291 J	0.789 J	6.25	1.37	274	3.01 J	23.3	0.0645	0.0896 J	19.3	0.0E+00	0.035
SW-2	3/19/2025	0.308	81.1	0.301 J	0.861 J	5.5	1.08	305	3.13 J	21.1	0.0673	0.128	18.4	1.7E-08	0.037
SW-3	3/19/2025	<0.282	80.2	<0.237	0.635 J	5.56	0.924 J	277	2.73 J	20.3	0.0499 J	0.142	18.3	0.0E+00	0.021
SW-4	3/19/2025	<0.296	78.3	0.300 J	0.614 J	5	<0.864	253	2.56 J	18.3	0.0468 J	0.131	18.8	0.0E+00	0.032
SW-5	3/19/2025	<0.279	78.6	0.303 J	0.640 J	7.97	1.07	225	2.46 J	21	0.0501	0.104	17.9	0.0E+00	0.032
SW-6	3/19/2025	0.307	83.8	<0.237	0.660 J	6.16	1.47	264	3.05 J	23.8	0.0426 J	0.101	18.3	1.7E-08	0.021
SW-7	3/19/2025	0.305	81.7	<0.237	0.566 J	5.81	1.07	234	2.53 J	21.7	0.0521	0.106	18	1.7E-08	0.032
SW-Dup (SW-7)	3/19/2025	<0.275	83.2	<0.237	1.12 J	5.95	1.8	436	3.31 J	25.6	0.0613	0.138	18.1		
15A NCAC 2B Surface Water Standards		NE	1,000	0.25	NE	2.7	0.54	NE	16	36	NE	10	250		

Notes:

mg/L: Milligrams per liter.

µg/L: Micrograms per liter.

Concentrations shown in **BOLD** exceed the laboratory MDLs.

Concentrations shown with "<" do not exceed the laboratory method detection limits (MDLs).

NE: 15 A NCAC 2 B Surface Water Standard Not Established

J: Estimated value less than the reporting limit but greater than the method detection limit.

Target constituents not shown for the method were not detected.

 All detections that exceed the 15 NCAC 2B Surface Water Standards are highlighted.

 Compound not in January 2025 NCDEQ Risk Calculator, concentration not entered.



Table 8
Sediment Sample Analytical Results Summary
 City of Durham Parks - East Durham Park (NONCD0000821)
 2500 East Main Street, Durham, Durham County, North Carolina
 S&ME Project No. 23050630 Task Order RI-11

Analytical Method		Method 8260D - Volatile Organic Compounds (VOCs) (mg/Kg)											Method 6020B - Metals (mg/Kg)								
CAS Number		67-64-1	78-93-3	56-55-3	50-32-8	205-99-2	191-24-2	207-08-9	218-01-9	206-44-0	193-39-5	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
Analyte		Acetone	2-Butanone (MEK)	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Phenanthrene	Pyrene	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium, Total	Cobalt	Copper
Sample ID	Date Collected																				
SED-1	3/19/2025	0.0378	<0.00521	1.34 J	1.79 J	2.02 F1	1.14 J F1 F2	0.932 J	1.53 J	2.58	1.04 J F2 F1	1.41 J	2.29 F1	<0.169	2.66	70	0.628	0.202 J	13.8	9.93	33.3
SED-2	3/19/2025	0.0682	0.00872 J	<0.230	<0.123 *3	<0.259 *3	<0.288 *3	<0.204 *3	<0.277	<0.191	<0.348 *3	<0.212	<0.204	0.243 J	1.14	36.2	0.200 J	0.187 J	6.52	3.11	28.8
SED-3	3/19/2025	0.0170 J	<0.00783	<0.217	<0.116 *3	<0.244 *3	<0.271 *3	<0.192 *3	<0.262	0.498 J	<0.328 *3	<0.200	0.411 J	<0.198	0.453 J	14.6	0.137 J	0.0424 J	2.88	1.14	6.24
SED-4	3/19/2025	<0.0824	<0.0412	<0.229	<0.122 *3	<0.257 *3	<0.286 *3	<0.203 *3	<0.276	<0.190	<0.346 *3	<0.211	<0.203	<0.174	0.401 J	11	0.128 J	0.0517 J	3.18	1.22	11
SED-5	3/19/2025	<0.0365	<0.0183	<0.222	<0.119 *3	<0.250 *3	<0.278 *3	<0.197 *3	<0.268	<0.184	<0.336 *3	<0.205	<0.197	0.230 J	0.895	23.3	0.134 J	0.100 J	5.95	2.03	36.6
SED-6	3/19/2025	0.0371	<0.00804	<0.219	<0.117 *3	<0.246 *3	<0.273 *3	<0.194 *3	<0.263	<0.181	<0.331 *3	<0.201	<0.194	<0.201	0.779	20.7	0.176 J	0.159 J	7.22	1.81	113
SED-7	3/19/2025	0.0798	<0.0181	<0.222	<0.118 *3	<0.249 *3	<0.277 *3	<0.197 *3	<0.267	<0.184	<0.335 *3	<0.204	<0.197	<0.180	0.474	12.7	0.113 J	0.0736 J	3.95	1.51	7.91
SED-Dup (SED-6)	3/19/2025	0.075	<0.00744	<0.216	<0.115 *3	<0.243 *3	<0.270 *3	<0.192 *3	<0.260	<0.179	<0.327 *3	<0.199	<0.192	0.217 J	1.14	34.6	0.171 J	0.136 J	7	2.77	18.9
EPA Resident Soil Screening Levels (RSLs)		7,000	2,700	1.1	0.11	1.1	180	11	110	240	1.1	180	180	3.1	0.68	1,500	16	0.71	NE	2.3	310

Notes:

Concentrations are reported in milligrams per kilogram (mg/Kg).

Target constituents not shown for the method were not detected.

All detections are shown in bold.

Yellow background: Detections that exceed the United States Environmental Protection Agency Regional Screening Levels for Chemical Contaminants at Superfund Sites Table.

Orange background: Compound not in January 2025 NCDEQ Risk Calculator, concentration not entered.

J: Result is less than the reporting limit but greater than or equal to the MDL and the concentration is an approximate value.

F1 (Metals): MS and/ or MSD recovery exceeds control limits.

F2: MS/MDS RPD exceeds control limits.

NE: Not Established

*3 = ISTD response or retention time outside acceptable limits.

EPA Resident Soil Screening Levels based on a target cancer risk of 1E-06 and a target hazard quotient of 0.1 [from the USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites Table (SL Table) dated November 2024].

Pyrene is used as a surrogate for Benzo(g,h,i)perylene and Phenanthrene. The sum of Benzo(g,h,i)perylene, Phenanthrene, and Pyrene is less than the RSL of 180 mg/Kg for Pyrene. Therefore, none of these chemicals were entered into the Risk Calculator.



Table 8
Sediment Sample Analytical Results Summary
Durham Parks (East Durham Park (NONCD0000821)
2500 East Main Street, Durham, Durham County, North Carolina
S&ME Project No. 23050630 Task Order RI-11

Analytical Method		Method 6020B - Metals (mg/kg)							Method 7471B	Method 350.1	Method 9056A			NCDEQ Risk Calculator					
CAS Number		7439-92-1	7439-96-5	7440-02-0	7782-49-2	7440-22-4	7440-28-0	7440-62-2	7440-66-6	7439-97-6	7664-41-7	14797-55-8	14808-79-8	Direct Contact Resident		Direct Contact Non-Residential Worker		Direct Contact Recreator/Trespasser	
Analyte		Lead	Manganese	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury	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	3/19/2025	60.5	270	31.7	1.11 J	0.0326 J	0.0532 J	27.8	66.5	0.0362 J	0.670 J F1	1.06 J F1	<8.14	2.3E-05	0.96	2.0E-06	0.0670	1.0E-05	0.410
SED-2	3/19/2025	41	157	8.71	<0.152	0.0485 J	<0.0360	12.5	93	0.0263 J	<0.412	<0.879	11.8 J	1.7E-06	0.34	3.8E-07	0.0240	7.2E-07	0.140
SED-3	3/19/2025	11.1	52.8	3.04	<0.154	0.0193 J	<0.0365	5.34	28.7	<0.0185	<0.418	<0.853	<9.43	6.7E-07	0.12	1.5E-07	0.0079	2.9E-07	0.050
SED-4	3/19/2025	14.7	84.2	3.2	<0.135	0.0217 J	<0.0321	4.98	31.7	0.0198 J	<0.420	<0.868	<9.60	5.9E-07	0.14	1.3E-07	0.0099	2.5E-07	0.059
SED-5	3/19/2025	45.9	97.1	10.1	<0.137	0.0773 J	<0.0326	7.88	76.9	<0.0190	<0.424	<0.889	10.1 J	1.3E-06	0.23	3.0E-07	0.0160	5.7E-07	0.098
SED-6	3/19/2025	38	149	13.6	<0.156	0.0948 J	<0.0371	7.79	56.4	<0.0186	<0.417	<0.889	<9.83	1.7E-06	0.34	3.8E-07	0.0240	7.2E-07	0.150
SED-7	3/19/2025	19.1	39.7	4.97	<0.140	0.0285 J	<0.0332	5.68	34.5	<0.0182	<0.404	<0.849	<9.39	7.0E-07	0.13	1.6E-07	0.0090	3.0E-07	0.057
SED-Dup (SED-6)	3/19/2025	44	113	10.6	<0.161	0.0329 J	<0.0383	11.6	69.7	0.0255 J	<0.381	<0.835	13.5 J	See SED-6					
EPA Resident Soil Screening Levels (RSLs)		200	180	140	39	39	0.078	39	2,300	0.71	NE	13,000	NE						

Notes:

Concentrations are reported in milligrams per kilogram (mg/Kg).

Target constituents not shown for the method were not detected.

All detections are shown in bold.

 Detections that exceed the United States Environmental Protection Agency Regional Screening Levels for Chemical Contaminants at Superfund Sites Table.

 Compound not in January 2025 NCDEQ Risk Calculator, concentration not entered.

J: Result is less than the reporting limit but greater than or equal to the MDI and the concentration is an approximate value.

F1 (Metals): MS and/ or MSD recovery exceeds control limits.

F2: MS/MDS RPD exceeds control limits.

NE: Not Established

*3 = ISTD response or retention time outside acceptable limits.

EPA Resident Soil Screening Levels based on a target cancer risk of 1E-06 and a target hazard quotient of 0.1 [from the USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites Table (SL Table) dated November 2024].

Pyrene is used as a surrogate for Benzo(g,h,i)perylene and Phenanthrene. The sum of Benzo(g,h,i)perylene, Phenanthrene, and Pyrene is less than the RSL of 180 mg/Kg for Pyrene. Therefore, none of these chemicals were entered into the Risk Calculator.

Appendices

Appendix I- Coordinates of Selected Features



APPENDIX I
Coordinates of Selected Features
City of Durham Parks - East Durham Park (NONCD0000821)
2500 East Main Street, Durham, Durham County, North Carolina
S&ME Project No. 23050630 Task Order RI-11

Site Feature	Type	Location			
		Latitude	Longitude	Northing	Easting
LFGP-1	Landfill Gas Probe	35.986689	-78.870820	814,075.43	2,038,212.50
LFGP-2	Landfill Gas Probe	35.986734	-78.870311	814,108.20	2,038,355.37
LFGP-3	Landfill Gas Probe	35.985899	-78.871592	813,786.93	2,038,008.46
LFGP-4	Landfill Gas Probe	35.985218	-78.871541	813547.08	2,037,998.90
LFGP-5	Landfill Gas Probe	35.984790	-78.870751	813,374.90	2,038,227.65
LFGP-6	Landfill Gas Probe	35.985248	-78.870655	813,562.22	2,038,269.38
LFGP-7	Landfill Gas Probe	35.985622	-78.870238	813,714.23	2,038,386.41
LFGP-8	Landfill Gas Probe	35.985800	-78.870342	813,787.48	2,038,358.54
LFGP-9	Landfill Gas Probe	35.987079	-78.869709	814,215.04	2,038,539.37
MW-1	Monitor Well	35.986683	-78.870838	814,075.43	2,038,212.50
MW-2	Monitor Well	35.986772	-78.870354	814,108.20	2,038,355.37
MW-3	Monitor Well	35.985891	-78.871528	813,786.93	2,038,008.46
MW-4	Monitor Well	35.985232	-78.871562	813547.08	2,037,998.90
MW-5	Monitor Well	35.984758	-78.870789	813,374.90	2,038,227.65
MW-6	Monitor Well	35.985273	-78.870648	813,562.22	2,038,269.38
MW-7	Monitor Well	35.985690	-78.870251	813,714.23	2,038,386.41
MW-8	Monitor Well	35.985891	-78.870345	813,787.48	2,038,358.54
MW-9	Monitor Well	35.987065	-78.869732	814,215.04	2,038,539.37
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	35.987774	-78.870173	814472.98	2038408.49
AGV-1	Above Ground Vapor	-78.87031297	35.98674794	814096.7771	2038368.455
AGV-2	Above Ground Vapor	-78.87042994	35.98660669	814045.3139	2038333.918
AGV-3	Above Ground Vapor	-78.87047695	35.98644868	813987.7759	2038320.086
AGV-4	Above Ground Vapor	-78.87045479	35.98631871	813940.4755	2038326.702
AGV-5	Above Ground Vapor	-78.87043784	35.98620207	813898.023	2038331.772
AGV-6	Above Ground Vapor	-78.8706453	35.98619021	813893.6228	2038270.401
AGV-7	Above Ground Vapor	-78.87063361	35.9863215	813941.4191	2038273.798
AGV-8	Above Ground Vapor	-78.87063785	35.98646609	813994.0519	2038272.474
AGV-9	Above Ground Vapor	-78.870632	35.98660356	814044.0959	2038274.14
AGV-10	Above Ground Vapor	-78.87080268	35.98646659	813994.1702	2038223.709
AGV-11	Above Ground Vapor	-78.87080386	35.98631451	813938.8119	2038223.433
AGV-12	Above Ground Vapor	-78.8708001	35.98619071	813893.7449	2038224.603
AGV-13	Above Ground Vapor	-78.87094886	35.98619637	813895.7492	2038180.592
AGV-14	Above Ground Vapor	-78.87095573	35.98632224	813941.5651	2038178.499
AGV-15	Above Ground Vapor	-78.87116739	35.98604838	813841.7952	2038116.008
AGV-16	Above Ground Vapor	-78.87097717	35.98602333	813832.7495	2038172.297
AGV-17	Above Ground Vapor	-78.87080879	35.98602201	813832.3314	2038222.113
AGV-18	Above Ground Vapor	-78.87063546	35.98601914	813831.3554	2038273.395
AGV-19	Above Ground Vapor	-78.87066495	35.98589279	813785.3507	2038264.728
AGV-20	Above Ground Vapor	-78.87082138	35.9858938	813785.6584	2038218.448
AGV-21	Above Ground Vapor	-78.87080891	35.98576486	813738.7237	2038222.198
AGV-22	Above Ground Vapor	-78.87087147	35.98561825	813685.3328	2038203.761
AGV-23	Above Ground Vapor	-78.87097511	35.98549255	813639.5363	2038173.157
AGV-24	Above Ground Vapor	-78.87096939	35.98534362	813585.3234	2038174.919
AGV-25	Above Ground Vapor	-78.87100611	35.9851991	813532.7026	2038164.123
AGV-26	Above Ground Vapor	-78.87115866	35.985069	813485.2818	2038119.053
AGV-27	Above Ground Vapor	-78.87136153	35.98508355	813490.5002	2038059.026
AGV-28	Above Ground Vapor	-78.87115881	35.98523259	813544.833	2038118.932
AGV-29	Above Ground Vapor	-78.87132478	35.98519526	813531.1805	2038069.846
AGV-30	Above Ground Vapor	-78.87114131	35.98537673	813597.3084	2038124.042
AGV-31	Above Ground Vapor	-78.87115628	35.98550008	813642.2055	2038119.554
AGV-32	Above Ground Vapor	-78.87114638	35.98565246	813697.6786	2038122.412
AGV-33	Above Ground Vapor	-78.87114999	35.9857722	813741.2642	2038121.286
AGV-34	Above Ground Vapor	-78.87114533	35.98591807	813794.3654	2038122.597
AGV-35	Above Ground Vapor	-78.87097648	35.98590517	813789.736	2038172.556
AGV-36	Above Ground Vapor	-78.87099024	35.985774	813741.9816	2038168.548
AGV-37	Above Ground Vapor	-78.87099906	35.98564588	813695.3413	2038165.998
AGV-38	Above Ground Vapor	-78.87131987	35.98536891	813594.3966	2038071.218
AGV-39	Above Ground Vapor	-78.87152555	35.98537737	813597.3963	2038010.362
AGV-40	Above Ground Vapor	-78.87131617	35.98551511	813647.6167	2038072.244
AGV-41	Above Ground Vapor	-78.87132097	35.98565189	813697.4056	2038070.758
AGV-42	Above Ground Vapor	-78.87131722	35.98577753	813743.1418	2038071.807
AGV-43	Above Ground Vapor	-78.87031309	35.98620553	813899.3279	2038368.68
AGV-44	Above Ground Vapor	-78.8702956	35.98634102	813948.6566	2038373.788
AGV-45	Above Ground Vapor	-78.87024116	35.98647753	813998.3703	2038389.83
AGV-46	Above Ground Vapor	-78.87014095	35.98662546	814052.2568	2038419.406
AGV-47	Above Ground Vapor	-78.87011011	35.98675698	814100.1456	2038428.468
AGV-48	Above Ground Vapor	-78.86998764	35.9869677	814176.8989	2038464.598
AGV-49	Above Ground Vapor	-78.86998376	35.9868724	814142.21	2038465.792
AGV-50	Above Ground Vapor	-78.86982652	35.98691131	814156.4373	2038512.292
AGV-51	Above Ground Vapor	-78.86983135	35.98673153	814090.9907	2038510.95
AGV-52	Above Ground Vapor	-78.86997383	35.98674657	814096.4086	2038468.792
AGV-53	Above Ground Vapor	-78.86997969	35.98660154	814043.6141	2038467.126
AGV-54	Above Ground Vapor	-78.8699759	35.98647379	813997.1104	2038468.307
AGV-55	Above Ground Vapor	-78.87014959	35.98647087	813995.9831	2038416.922
AGV-56	Above Ground Vapor	-78.87014717	35.98633297	813945.7851	2038417.706
AGV-57	Above Ground Vapor	-78.86998108	35.98632947	813944.5737	2038466.844
AGV-58	Above Ground Vapor	-78.87015357	35.98623934	813911.6979	2038415.855
AGV-BG1	Above Ground Vapor	-78.8710316	35.98656933	814031.4842	2038515.936
AGV-BG2	Above Ground Vapor	-78.86982652	35.98691131	814156.4373	2038512.292
AGV-BG3	Above Ground Vapor	-78.86983135	35.98673153	814090.9907	2038510.95
AGV-BG4	Above Ground Vapor	-78.86997383	35.98674657	814096.4086	2038468.792

Notes:

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

Appendix II – Well Construction Records for LFGP and MW

WELL CONSTRUCTION RECORD (GW-1)

1. Well Contractor Information:

Well Contractor Name: T. Bohard

NC Well Contractor Certification Number: 3307

Company Name: Environmental Drilling & Probing Services LLC

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, Industrial, Irrigation, Municipal/Public, Residential Water Supply (single/shared). Non-Water Supply Well: Monitoring, Recovery. Injection Well: Aquifer Recharge, Storage and Recovery, Test, Experimental Technology, Geothermal (Closed Loop/Heating/Cooling Return), Groundwater Remediation, Salinity Barrier, Stormwater Drainage, Subsidence Control, Tracer, Other.

4. Date Well(s) Completed: 4/9-4/11/2025 Well ID#: LFGP-4

5a. Well Location: East Durham Park. Facility/Owner Name: 2601 E. Main St. + 300 Gary St., Durham, NC. Physical Address, City, and Zip: Durham. County: Durham. Parcel Identification No. (PIN):

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

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

7. Is this a repair to an existing well: Yes or No

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 @ 6.5 (ft.)

10. Static water level below top of casing: (ft.)

11. Borehole diameter: 6 (in.)

12. Well construction method: HSA

FOR WATER SUPPLY WELLS ONLY: 13a. Yield (gpm) Method of test: 13b. Disinfection type: Amount:

For Internal Use Only:

14. WATER ZONES table with columns FROM, TO, DESCRIPTION

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable) table with columns FROM, TO, DIAMETER, THICKNESS, MATERIAL

16. INNER CASING OR TUBING (geothermal closed-loop) table with columns FROM, TO, DIAMETER, THICKNESS, MATERIAL

17. SCREEN table with columns FROM, TO, DIAMETER, SLOT SIZE, THICKNESS, MATERIAL

18. GROUT table with columns FROM, TO, MATERIAL, EMPLACEMENT METHOD & AMOUNT

19. SAND/GRAVEL PACK (if applicable) table with columns FROM, TO, MATERIAL, EMPLACEMENT METHOD

20. DRILLING LOG (attach additional sheets if necessary) table with columns FROM, TO, DESCRIPTION

21. REMARKS

22. Certification: Signature of Certified Well Contractor, Date: 4/29/25

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)

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: 4/9-4/11 2025 Well ID# LFGP-5"

5a. Well Location:
East Durham Park
 Facility/Owner Name Facility ID# (if applicable)
2601 E. Main St. + 300 Gary St. 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 @ 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: HSA
 (i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

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

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

For Internal Use Only:

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
5' ft.	0 ft.	1 in.	Sch. 40	PVE
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
10 ft.	5 ft.	1 in.	0.01	Sch. 40	PVE
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
4 ft.	3 ft.	Bentonite	POUR
3 ft.	0 ft.	Grout	POUR
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
10 ft.	4 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.	

21. REMARKS

22. Certification:
 Signature of Certified Well Contractor: [Signature] Date: 4/29/25

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)

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. UNC County, State, Variance, etc.)

3. Well Use (check well use):

Water Supply Well:	
<input type="checkbox"/> Agricultural	<input type="checkbox"/> Municipal/Public
<input type="checkbox"/> Geothermal (Heating/Cooling Supply)	<input type="checkbox"/> Residential Water Supply (single)
<input type="checkbox"/> Industrial/Commercial	<input type="checkbox"/> Residential Water Supply (shared)
<input type="checkbox"/> Irrigation	
Non-Water Supply Well:	
<input checked="" type="checkbox"/> Monitoring	<input type="checkbox"/> Recovery
Injection Well:	
<input type="checkbox"/> Aquifer Recharge	<input type="checkbox"/> Groundwater Remediation
<input type="checkbox"/> Aquifer Storage and Recovery	<input type="checkbox"/> Salinity Barrier
<input type="checkbox"/> Aquifer Test	<input type="checkbox"/> Stormwater Drainage
<input type="checkbox"/> Experimental Technology	<input type="checkbox"/> Subsidence Control
<input type="checkbox"/> Geothermal (Closed Loop)	<input type="checkbox"/> Tracer
<input type="checkbox"/> Geothermal (Heating/Cooling Return)	<input type="checkbox"/> Other (explain under #21 Remarks)

4. Date Well(s) Completed: 4/9-4/11/2025 Well ID# LFGP-6

5a. Well Location:
East Durham Park
Facility/Owner Name
2601 E. Main St. + 300 Gary St. 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)

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: 109 (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: HSA
(i.e. auger rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

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

13b. Disinfection type: _____ Amount: _____

For Internal Use Only:

14. WATER ZONES		DESCRIPTION
FROM	TO	
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
4 ft.	0 ft.	1 in.	Sch. 40	PVE
ft.	ft.	in.		

17. SCREEN					
FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
9 ft.	4 ft.	1 in.	0.01	Sch. 40	PVE
ft.	ft.	in.			

18. GROUT			
FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
4 ft.	3 ft.	Bentonite	pour
3 ft.	0 ft.	Grout	pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)			
FROM	TO	MATERIAL	EMPLACEMENT METHOD
9 ft.	4 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.	

21. REMARKS

22. Certification:
Signature of Certified Well Contractor: [Signature]
Date: 4/29/25

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with FSA NCAC 02C .0100 or FSA 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)

1. Well Contractor Information:

Well Contractor Name: T. Bohard
 Well Contractor Certification Number: 3307
 Company Name: Environmental Drilling & Probing Services LLC

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

3. Well Use (check well use):

Water Supply Well:	
<input type="checkbox"/> Agricultural	<input type="checkbox"/> Municipal/Public
<input type="checkbox"/> Geothermal (Heating/Cooling Supply)	<input type="checkbox"/> Residential Water Supply (single)
<input type="checkbox"/> Industrial/Commercial	<input type="checkbox"/> Residential Water Supply (shared)
<input type="checkbox"/> Irrigation	
Non-Water Supply Well:	
<input checked="" type="checkbox"/> Monitoring	<input type="checkbox"/> Recovery
Injection Well:	
<input type="checkbox"/> Aquifer Recharge	<input type="checkbox"/> Groundwater Remediation
<input type="checkbox"/> Aquifer Storage and Recovery	<input type="checkbox"/> Salinity Barrier
<input type="checkbox"/> Aquifer Test	<input type="checkbox"/> Stormwater Drainage
<input type="checkbox"/> Experimental Technology	<input type="checkbox"/> Subsidence Control
<input type="checkbox"/> Geothermal (Closed Loop)	<input type="checkbox"/> Tracer
<input type="checkbox"/> Geothermal (Heating/Cooling Return)	<input type="checkbox"/> Other (explain under #21 Remarks)

4. Date Well(s) Completed: 4/9-4/11 Well ID# LFGP-7
2025

5a. Well Location:
 Facility/Owner Name: East Durham Park
 Facility ID# (if applicable): _____
 Physical Address, City, and Zip: 2601 E. Main St. + 300 Gary St. Durham, NC
 County: Durham 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 @ 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: HSA
 (i.e. auger rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm) _____ Method of test: _____
 13b. Disinfection type: _____ Amount: _____

For Internal Use Only:

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
5 ft.	0 ft.	1 in.	Sch. 40	PVE
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
10 ft.	5 ft.	1 in.	0.01	Sch. 40	PVE
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
4 ft.	3 ft.	Bentonite	POUR
3 ft.	0 ft.	Grout	POUR
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
10 ft.	4 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:
 Signature of Certified Well Contractor: _____ Date: 4/29/25

By signing this form, I hereby certify that the well(s) was/were constructed in accordance with 15A NC AC 02C 0100 or 15A NC AC 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)

1. Well Contractor Information:

Well Contractor Name: T. Bohard
 Well Contractor Certification Number: 3307
 Company Name: Environmental Drilling & Probing Services LLC

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

3. Well Use (check well use):

Water Supply Well:	
<input type="checkbox"/> Agricultural	<input type="checkbox"/> Municipal/Public
<input type="checkbox"/> Geothermal (Heating/Cooling Supply)	<input type="checkbox"/> Residential Water Supply (single)
<input type="checkbox"/> Industrial/Commercial	<input type="checkbox"/> Residential Water Supply (shared)
<input type="checkbox"/> Irrigation	
Non-Water Supply Well:	
<input checked="" type="checkbox"/> Monitoring	<input type="checkbox"/> Recovery
Injection Well:	
<input type="checkbox"/> Aquifer Recharge	<input type="checkbox"/> Groundwater Remediation
<input type="checkbox"/> Aquifer Storage and Recovery	<input type="checkbox"/> Salinity Barrier
<input type="checkbox"/> Aquifer Test	<input type="checkbox"/> Stormwater Drainage
<input type="checkbox"/> Experimental Technology	<input type="checkbox"/> Subsidence Control
<input type="checkbox"/> Geothermal (Closed Loop)	<input type="checkbox"/> Tracer
<input type="checkbox"/> Geothermal (Heating/Cooling Return)	<input type="checkbox"/> Other (explain under #21 Remarks)

4. Date Well(s) Completed: 4/9-4/10 2025 Well ID# LFGP-8

5a. Well Location: East Durham Park
 Facility/Owner Name: _____ Facility ID# (if applicable): _____
 Physical Address, City, and Zip: 2601 E. Main St. + 300 Gary St. Durham, NC
 County: Durham 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: 109 (ft.)
 For multiple wells list all depths of 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: HSA
 (i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:	
13a. Yield (gpm): _____	Method of test: _____
13b. Disinfection type: _____	Amount: _____

For Internal Use Only:

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
4 ft.	0 ft.	1 in.	Sch. 40	PVC
ft.	ft.	in.		

17. SCREEN					
FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
9 ft.	4 ft.	1 in.	0.01	Sch. 40	PVC
ft.	ft.	in.			

18. GROUT			
FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
4 ft.	3 ft.	Bentonite	POUR
3 ft.	0 ft.	Grout	POUR
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)			
FROM	TO	MATERIAL	EMPLACEMENT METHOD
9 ft.	4 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:
 Signature of Certified Well Contractor: _____ Date: 4/29/25

By signing this form, I hereby certify that the well(s) was/were constructed in accordance with 15A NC AC 02C 0100 or 15A NC AC 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)

1. Well Contractor Information:

Well Contractor Name T. Bohyard

NC Well Contractor Certification Number 3307

Company Name Environmental Drilling & Probing Services LLC

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

3. Well Use (check well use):

Water Supply Well:	
<input type="checkbox"/> Agricultural	<input type="checkbox"/> Municipal/Public
<input type="checkbox"/> Geothermal (Heating/Cooling Supply)	<input type="checkbox"/> Residential Water Supply (single)
<input type="checkbox"/> Industrial/Commercial	<input type="checkbox"/> Residential Water Supply (shared)
<input type="checkbox"/> Irrigation	
Non-Water Supply Well:	
<input checked="" type="checkbox"/> Monitoring	<input type="checkbox"/> Recovery
Injection Well:	
<input type="checkbox"/> Aquifer Recharge	<input type="checkbox"/> Groundwater Remediation
<input type="checkbox"/> Aquifer Storage and Recovery	<input type="checkbox"/> Salinity Barrier
<input type="checkbox"/> Aquifer Test	<input type="checkbox"/> Stormwater Drainage
<input type="checkbox"/> Experimental Technology	<input type="checkbox"/> Subsidence Control
<input type="checkbox"/> Geothermal (Closed Loop)	<input type="checkbox"/> Tracer
<input type="checkbox"/> Geothermal (Heating/Cooling Return)	<input type="checkbox"/> Other (explain under #21 Remarks)

For Internal Use Only:

14. WATER ZONES	
FROM	TO
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
5 ft.	0 ft.	1 in.	Sch. 40	PVE
ft.	ft.	in.		

17. SCREEN					
FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
10 ft.	5 ft.	1 in.	0.01	Sch. 40	PVE
ft.	ft.	in.			

18. GROUT			
FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
4 ft.	3 ft.	Bentonite	POUR
3 ft.	0 ft.	Grout	POUR
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)			
FROM	TO	MATERIAL	EMPLACEMENT METHOD
10 ft.	4 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:
Signature of Certified Well Contractor _____ Date 4/29/25

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

4. Date Well(s) Completed: 4/9-4/11 2025 Well ID# LFGP-9

5a. Well Location:
East Durham Park
Facility/Owner Name _____ Facility ID# (if applicable) _____
2601 E. Main St. + 300 Gary St. 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 @ 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: HSA
(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:	
13a. Yield (gpm) _____	Method of test: _____
13b. Disinfection type: _____	Amount: _____

WELL CONSTRUCTION RECORD (GW-1)

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. UJC, 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: 4/22-4/24 Well ID# MW-1

2025

5a. Well Location:

East Durham Park

Facility/Owner Name

Facility ID# (if applicable)

2601 E. Main St. & 300 Gary St. 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 @ 33 (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: _____

For Internal Use Only:

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
23 ft.	0 ft.	2 in.	Sch 40	PVC
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
33 ft.	23 ft.	2 in.	0.01	Sch 40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
21 ft.	19 ft.	Bentonite	Pour
19 ft.	0 ft.	Grout	Pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
33 ft.	21 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:

 4/29/25
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)

Final Form

For Internal Use Only:

1. Well Contractor Information:

T. Bohard

Well Contractor Name

3307

Well Contractor Certification Number

Environmental Drilling & Probing Services, LLC

Company Name

2. Well Construction Permit #:

(List all applicable well construction permits (i.e. "H" 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: 4/22-4/24 Well ID# MW-2

2025

5a. Well Location:

East Durham Park

Facility Owner Name

Facility ID# (if applicable)

2601 E. Main St. # 300 Garry St. Durham, NC

Physical Address, City and Zip

Durham

County

Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees: (of 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@43 (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
<u>33</u> ft.	<u>0</u> ft.	<u>2</u> in.	<u>Sch. 40</u>	<u>PVC</u>
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
<u>43</u> ft.	<u>33</u> ft.	<u>2</u> in.	<u>0.01</u>	<u>Sch. 40</u>	<u>PVC</u>
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
<u>31</u> ft.	<u>29</u> ft.	<u>Bentonite</u>	<u>pour</u>
<u>29</u> ft.	<u>0</u> ft.	<u>Grout</u>	<u>pour</u>
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
<u>43</u> ft.	<u>31</u> ft.	<u>#2 med</u>	<u>pour</u>
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: _____ 4/29/25
 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)

1. Well Contractor Information:

T. Bohard

Well Contractor Name

3307

No. Well Contractor Certification Number

Environmental Drilling & Probing Services, LLC

Company Name

2. Well Construction Permit #:

List all applicable well construction permits (i.e. "JK", 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: 4/22-4/24 Well ID# MW-3

2025

5a. Well Location:

East Durham Park

Facility Owner Name

Facility ID# (if applicable)

2601 E. Main St. # 300 Gary St. 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 (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: _____

For Internal Use Only:

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 ft.	0 ft.	2 in.	Sch. 40	API
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
53 ft.	33 ft.	2 in.	0.01	Sch. 40	API
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
31 ft.	29 ft.	Bentonite	pour
29 ft.	0 ft.	Grout	pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
53 ft.	31 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.	

21. REMARKS

22. Certification:

Signature of Certified Well Contractor _____ Date 4/29/25

By signing this form, I hereby certify that the well(s) was/were constructed in accordance with 15A NCAC 02C .0100 thru 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)

1. Well Contractor Information:

Well Contractor Name: T. Bohard
 Well Contractor Certification Number: 3307
 Company Name: Environmental Drilling & Probing Services, LLC

2. Well Construction Permit #:

List all applicable well construction permits (i.e. Local 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: 4/22-4/24 2025 Well ID# MW-04

5a. Well Location:

Facility Owner Name: East Durham Park
 Facility ID# (if applicable):
 Physical Address, City and Zip: 2601 E. Main St. # 300 Gary St. Durham, NC
 County: Durham 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 (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: _____

For Internal Use Only:

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 ft.	0 ft.	2 in.	Sch. 40	PVC
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
53 ft.	33 ft.	2 in.	0.01	Sch. 40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
31 ft.	29 ft.	Bentonite	POUR
29 ft.	0 ft.	Grout	POUR
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
53 ft.	31 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.	

21. REMARKS

22. Certification: _____
 Signature of Certified Well Contractor Date: 4/29/25

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 and 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)

1. Well Contractor Information:

Well Contractor Name: T. Bohard
 Well Contractor Certification Number: 3307
 Company Name: Environmental Drilling & Probing Services, LLC

2. Well Construction Permit #: _____
 (List all applicable well construction permits from the State, 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: 4/22-4/24 2025 Well ID# MW-5

5a. Well Location: East Durham Park
 Facility Owner Name: _____ Facility ID# (if applicable): _____
2601 E. Main St. # 300 Gary St. 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 @ 48 (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: _____

For Internal-Use Only:

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
28 ft.	0 ft.	2 in.	Sch. 40	AWC
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
48 ft.	28 ft.	2 in.	0.01	Sch. 40	AWC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
26 ft.	24 ft.	Sentowite	POUR
24 ft.	0 ft.	Grout	POUR
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
48 ft.	26 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.	

21. REMARKS

22. Certification: _____
 Signature of Certified Well Contractor Date: 4/29/25

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)

1. Well Contractor Information:

T. Bohard

Well Contractor Name

3307

Well Contractor Certification Number

Environmental Drilling & Probing Services, LLC

Company Name

2. Well Construction Permit #:

List all applicable well construction permits (e.g., Local, 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: 4/22-4/24 Well ID# MW-7e
2025

5a. Well Location:

East Durham Park

Facility Owner Name

Facility ID# (if applicable)

2601 E. Main St. & 300 Gary St. 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 @ 16 (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
(e.g. auger rotary, cable direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

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

13b. Disinfection type: _____ Amount: _____

For Internal Use Only:

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
6 ft.	0 ft.	2 in.	Sch. 40	PVC
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
16 ft.	6 ft.	2 in.	0.01	Sch. 40	PVC
ft.	ft.	in.			

18. GROUT

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

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
16 ft.	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:

Signature of Certified Well Contractor: _____ Date: 4/29/25

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)

1. Well Contractor Information:

T. Bolvard

Well Contractor Name

3307

Well Contractor Certification Number

Environmental Drilling & Probing Services, LLC

Company Name

2. Well Construction Permit #:

(List all applicable well construction permits from UNC 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: 4/22-4/24 Well ID# MW-7
2025

5a. Well Location:

East Durham Park

Facility Owner Name

Facility ID# (if applicable)

2601 E. Main St. & 300 Gary St. 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 @ 33 (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
(e.g. auger rotary, cable direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

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

13b. Disinfection type: _____ Amount: _____

For Internal Use Only:

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
<u>13</u> ft.	<u>0</u> ft.	<u>2</u> in.	<u>Sch. 40</u>	<u>PVC</u>
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
<u>33</u> ft.	<u>13</u> ft.	<u>2</u> in.	<u>0.01</u>	<u>Sch. 40</u>	<u>PVC</u>
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
<u>11</u> ft.	<u>9</u> ft.	<u>Bentonite</u>	<u>pour</u>
<u>9</u> ft.	<u>0</u> ft.	<u>Grout</u>	<u>pour</u>
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
<u>33</u> ft.	<u>11</u> ft.	<u>#2 med</u>	<u>pour</u>
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.	

21. REMARKS

22. Certification:

Signature of Certified Well Contractor _____ Date 4/29/25

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 and 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:

Well Contractor Name: T. Bohard
 Well Contractor Certification Number: 3307
 Company Name: Environmental Drilling & Probing Services, LLC

2. Well Construction Permit #:

(List all applicable well construction permits (i.e. "D" County, State Variance, etc.)

3. Well Use (check well use):

Water Supply Well:	
<input type="checkbox"/> Agricultural	<input type="checkbox"/> Municipal/Public
<input type="checkbox"/> Geothermal (Heating/Cooling Supply)	<input type="checkbox"/> Residential Water Supply (single)
<input type="checkbox"/> Industrial/Commercial	<input type="checkbox"/> Residential Water Supply (shared)
<input type="checkbox"/> Irrigation	
Non-Water Supply Well:	
<input checked="" type="checkbox"/> Monitoring	<input type="checkbox"/> Recovery
Injection Well:	
<input type="checkbox"/> Aquifer Recharge	<input type="checkbox"/> Groundwater Remediation
<input type="checkbox"/> Aquifer Storage and Recovery	<input type="checkbox"/> Salinity Barrier
<input type="checkbox"/> Aquifer Test	<input type="checkbox"/> Stormwater Drainage
<input type="checkbox"/> Experimental Technology	<input type="checkbox"/> Subsidence Control
<input type="checkbox"/> Geothermal (Closed Loop)	<input type="checkbox"/> Tracer
<input type="checkbox"/> Geothermal (Heating/Cooling Return)	<input type="checkbox"/> Other (explain under #21 Remarks)

4. Date Well(s) Completed: 4/22-4/24 2025 Well ID# MW-8

5a. Well Location:

Facility Owner Name: East Durham Park Facility ID# (if applicable):
 Physical Address, City, and Zip: 2601 E. Main St. # 300 Gary St. Durham, NC
 County: Durham 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 @ 18 (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
ft.	ft.	in.		
8	0	2	Sch. 40	AVE
ft.	ft.	in.		

17. SCREEN					
FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
ft.	ft.	in.			
18	8	2	0.01	Sch. 40	AVE
ft.	ft.	in.			

18. GROUT			
FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
ft.	ft.		
6	4	Bentonite	PAVE
4	0	Grout	PAVE
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)		
FROM	TO	EMPLACEMENT METHOD
ft.	ft.	
18	6	#2 med
ft.	ft.	PAVE

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.	

21. REMARKS

22. Certification: _____ Date: 4/29/25
 Signature of Certified Well Contractor

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)

1. Well Contractor Information:

Well Contractor Name: T. Bohard

Well Contractor Certification Number: 3307

Company Name: Environmental Drilling & Probing Services, LLC

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

3. Well Use (check well use):

Water Supply Well:	
<input type="checkbox"/> Agricultural	<input type="checkbox"/> Municipal/Public
<input type="checkbox"/> Geothermal (Heating/Cooling Supply)	<input type="checkbox"/> Residential Water Supply (single)
<input type="checkbox"/> Industrial/Commercial	<input type="checkbox"/> Residential Water Supply (shared)
<input type="checkbox"/> Irrigation	
Non-Water Supply Well:	
<input checked="" type="checkbox"/> Monitoring	<input type="checkbox"/> Recovery
Injection Well:	
<input type="checkbox"/> Aquifer Recharge	<input type="checkbox"/> Groundwater Remediation
<input type="checkbox"/> Aquifer Storage and Recovery	<input type="checkbox"/> Salinity Barrier
<input type="checkbox"/> Aquifer Test	<input type="checkbox"/> Stormwater Drainage
<input type="checkbox"/> Experimental Technology	<input type="checkbox"/> Subsidence Control
<input type="checkbox"/> Geothermal (Closed Loop)	<input type="checkbox"/> Tracer
<input type="checkbox"/> Geothermal (Heating/Cooling Return)	<input type="checkbox"/> Other (explain under #21 Remarks)

4. Date Well(s) Completed: 4/22-4/24 2025 Well ID# MW-9

5a. Well Location:
 Facility Owner Name: East Durham Park
 Facility ID# (if applicable): _____
 Physical Address, City and Zip: 2601 E. Main St. # 300 Gary St. Durham, NC
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)

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 @ 22 (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: _____

For Internal Use Only:

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 ft.	0 ft.	2 in.	Sch. 40	PVC
ft.	ft.	in.		

17. SCREEN					
FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
22 ft.	7 ft.	2 in.	0.01	Sch. 40	PVC
ft.	ft.	in.			

18. GROUT			
FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
5 ft.	4 ft.	Bentonite	POUR
4 ft.	0 ft.	Grout	POUR
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)			
FROM	TO	MATERIAL	EMPLACEMENT METHOD
22 ft.	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.	

21. REMARKS

22. Certification:
 Signature of Certified Well Contractor: _____ Date: 4/29/25

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:	East Durham Park	Location:	Durham, NC	Meter Type/ Meter Name/ Serial No.:			
NCDEQ ID No.:	NONCD0000821	Date:	3/18/2025	Gas Analyzer	GEM 5000	G500537	
S&ME Project No.:	23050630	Weather:	Sunny	PID	Mini Rae 3000	592-926385	Pre Calibration Time: 820
Task Order:	821RI-10	S&ME Personnel:	James Peele / Connor Hicks	Thermo Hygrometer	UEI OTH 10	00256M	Post Calibration Time:

PRE Equipment Calibration				Calibration Notes	POST Equipment Calibration					
PID (Isobutylene)	0 ppm =	0	100 ppm =		101	PID (Isobutylene)	0 ppm =		100 ppm =	
Fresh Air	CH ₄ (0%) =	0	O ₂ (20.9%) =		21.1	Fresh Air	CH ₄ (0%) =		O ₂ (20.9%) =	
Methane High	CH ₄ (50%) =	50	CO ₂ (35%) =		35	Methane High	CH ₄ (50%) =		CO ₂ (35%) =	
	O ₂ (0%) =	0					O ₂ (0%) =			
H2S Mix	CH ₄ (2.5%) =	2.5	O ₂ (18%) =		18	H2S Mix	CH ₄ (2.5%) =		O ₂ (18%) =	
	H ₂ S (10 ppm) =	10	CO (50 ppm) =	50	H ₂ S (10 ppm) =			CO (50 ppm) =		

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	08:45	0.0		0.0		0.1	19.7	0	29.77	46.0	47
BG-2	08:50	0.0		0.0		0.1	19.7	0	29.80		
BG-3	08:55	0.0		0.0		0.1	19.7	0	29.80		
BG-4	09:00	0.0		0.0		0.1	19.7	0	29.81		
AGV-1	09:08	0.0		0.0		0.1	19.7	0	29.77	46.0	47
AGV-2	09:13	0.0		0.0		0.1	19.6	0	29.80		
AGV-3	09:16	0.0		0.0		0.1	19.5	0	29.80		
AGV-4	09:20	0.0		0.0		0.1	19.5	0	29.81		
AGV-5	09:23	0.0		0.0		0.1	19.5	0	29.81		
AGV-6	09:26	0.0		0.0		0.1	19.5	0	29.82		
AGV-7	09:30	0.0		0.0		0.1	19.5	0	29.81		
AGV-8	09:34	0.0		0.0		0.1	19.5	0	29.82	46.0	47
AGV-9	09:37	0.0		0.0		0.1	19.5	0	29.82		
AGV-10	09:41	0.0		0.0		0.1	19.5	0	29.81		
AGV-11	09:43	0.0		0.0		0.1	19.5	0	29.81	46.0	47
AGV-12	09:45	0.0		0.0		0.1	19.5	0	29.81		
AGV-13	09:48	0.0		0.0		0.1	19.5	0	29.81		
AGV-14	09:50	0.0		0.0		0.1	19.5	0	29.81		
AGV-15	10:11	0.0		0.0		0.1	19.7	0	29.81		
AGV-16	10:14	0.0		0.0		0.1	19.7	0	29.81		
AGV-17	10:17	0.0		0.0		0.1	19.7	0	29.81		
AGV-18	10:19	0.0		0.0		0.1	19.6	0	29.82	50.0	33
AGV-19	10:22	0.0		0.0		0.1	19.6	0	29.82		

Name	Signature	Date	Notes:
(1) James Peele		3/18/2025	

LANDFILL GAS SCREENING FORM



Project Name:	East Durham Park	Location:	Durham, NC	Meter Type/ Meter Name/ Serial No.:			
NCDEQ ID No.:	NONCD0000821	Date:	3/18/2025	Gas Analyzer	GEM 5000	G500537	
S&ME Project No.:	23050630	Weather:	Sunny	PID	Mini Rae 3000	592-926385	Pre Calibration Time: 820
Task Order:	821RI-10	S&ME Personnel:	James Peele / Connor Hicks	Thermo Hygrometer	UEI OTH 10	00256M	Post Calibration Time:

PRE Equipment Calibration				Calibration Notes	POST Equipment Calibration					
PID (Isobutylene)	0 ppm =	0	100 ppm =		101	PID (Isobutylene)	0 ppm =		100 ppm =	
Fresh Air	CH ₄ (0%) =	0	O ₂ (20.9%) =		21.1	Fresh Air	CH ₄ (0%) =		O ₂ (20.9%) =	
Methane High	CH ₄ (50%) =	50	CO ₂ (35%) =		35	Methane High	CH ₄ (50%) =		CO ₂ (35%) =	
	O ₂ (0%) =	0					O ₂ (0%) =			
H2S Mix	CH ₄ (2.5%) =	2.5	O ₂ (18%) =		18	H2S Mix	CH ₄ (2.5%) =		O ₂ (18%) =	
	H ₂ S (10 ppm) =	10	CO (50 ppm) =	50	H ₂ S (10 ppm) =			CO (50 ppm) =		

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	%
AGV-20	10:25	0.0		0.0		0.1	19.7	0	29.82	50.0	33
AGV-21	10:28	0.0		0.0		0.1	19.7	0	29.82		
AGV-22	10:30	0.0		0.0		0.1	19.7	0	29.81		
AGV-23	10:34	0.0		0.0		0.1	19.7	0	29.81	56.0	32
AGV-24	10:38	0.0		0.0		0.1	19.7	0	29.82		
AGV-25	10:40	0.0		0.0		0.1	19.8	0	29.83		
AGV-27	10:47	0.0		0.0		0.1	19.8	0	29.83		
AGV-28	10:51	0.0		0.0		0.1	19.8	0	29.83		
AGV-29	10:55	0.0		0.0		0.1	19.8	0	29.83		
AGV-30	10:58	0.0		0.0		0.1	19.8	0	29.83	57.0	29
AGV-31	11:01	0.0		0.0		0.1	19.8	0	29.83		
AGV-32	11:04	0.0		0.0		0.1	19.7	0	29.83		
AGV-33	11:06	0.0		0.0		0.1	19.6	0	29.83		
AGV-34	11:08	0.0		0.0		0.1	19.6	0	29.83		
AGV-35	11:10	0.0		0.0		0.1	19.6	0	29.83		
AGV-36	11:12	0.0		0.0		0.1	19.6	0	29.83		
AGV-37	11:14	0.0		0.0		0.1	19.7	0	29.83		
AGV-38	11:18	0.0		0.0		0.1	19.5	0	29.83		
AGV-39	11:20	0.0		0.0		0.1	19.6	0	29.83		
AGV-40	11:21	0.0		0.0		0.1	19.6	0	29.83		
AGV-41	11:23	0.0		0.0		0.1	19.6	0	29.83		
AGV-42	11:25	0.0		0.0		0.1	19.6	0	29.83	59.0	27
SV-43	12:01	0.0		0.0		0.1	19.5	0	29.83	62.0	25

Name	Signature	Date	Notes:	Grid #26 was inadvertently skipped.
(1) James Peele		3/18/2025		

LANDFILL GAS SCREENING FORM



Project Name:	East Durham Park	Location:	Durham, NC	Meter Type/ Meter Name/ Serial No.:				
NCDEQ ID No.:	NONCD0000821	Date:	3/18/2025	Gas Analyzer	GEM 5000	G500537		
S&ME Project No.:	23050630	Weather:	Sunny	PID	Mini Rae 3000	592-926385	Pre Calibration Time:	820
Task Order:	821RI-10	S&ME Personnel:	James Peele / Connor Hicks	Thermo Hygrometer	UEI OTH 10	00256M	Post Calibration Time:	1300

PRE Equipment Calibration				Calibration Notes	POST Equipment Calibration					
PID (Isobutylene)	0 ppm =	0	100 ppm =		101	PID (Isobutylene)	0 ppm =	1	100 ppm =	102
Fresh Air	CH ₄ (0%) =	0	O ₂ (20.9%) =		21.1	Fresh Air	CH ₄ (0%) =	0	O ₂ (20.9%) =	19.5
Methane High	CH ₄ (50%) =	50	CO ₂ (35%) =		35	Methane High	CH ₄ (50%) =	50	CO ₂ (35%) =	
	O ₂ (0%) =	0					O ₂ (0%) =	0		
H2S Mix	CH ₄ (2.5%) =	2.5	O ₂ (18%) =		18	H2S Mix	CH ₄ (2.5%) =	2.5	O ₂ (18%) =	18
	H ₂ S (10 ppm) =	10	CO (50 ppm) =	50	H ₂ S (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	%
AGV-44	12:04	0.0		0.0		0.1	19.5	0	29.83	62.0	25
AGV-45	12:07	0.0		0.0		0.1	19.4	0	29.83		
AGV-46	12:09	0.0		0.0		0.1	19.4	0	29.83		
AGV-47	12:11	0.0		0.0		0.1	19.4	0	29.83		
AGV-48	12:15	0.0		0.0		0.1	19.4	0	29.83		
AGV-49	12:17	0.0		0.0		0.1	19.5	0	29.83		
AGV-50	12:18	0.0		0.0		0.1	19.5	0	29.83		
AGV-51	12:20	0.0		0.0		0.1	19.5	0	29.83		
AGV-52	12:22	0.0		0.0		0.1	19.6	0	29.83	63.0	24
AGV-53	12:24	0.0		0.0		0.1	19.6	0	29.83		
AGV-54	12:26	0.0		0.0		0.1	19.6	0	29.83		
AGV-55	12:28	0.0		0.0		0.1	19.5	0	29.83		
AGV-56	12:30	0.0		0.0		0.1	19.5	0	29.81		
AGV-57	12:31	0.0		0.0		0.1	19.5	0	29.81		
AGV-58	12:33	0.0		0.0		0.1	19.5	0	29.81		
BG-1	12:40	0.0		0.0		0.1	19.5	0	29.81		
BG-2	12:45	0.0		0.0		0.1	19.5	0	29.81		
BG-3	12:50	0.0		0.0		0.1	19.5	0	29.81		
BG-4	12:55	0.0		0.0		0.1	19.5	0	29.81		

Name	Signature	Date	Notes:	Grid #26 was inadvertently skipped. Total of 57 screening locations.
(1) James Peele		3/18/2025		



Environmental Field Report	
Date: 2025-05-06	Job Number: 23050630
Project Name: City of Durham Parks East Durham Park GW Sampling	Weather/Temperature: Sunny, 70°F
Project Location: 2500 East Main St. Durham, NC	
Notes By: <input checked="" type="checkbox"/> James Waters <input type="checkbox"/> Connor Hicks, Jonathan Olanin	Present at the Site:

Equipment Used
iPad
Bailers/Peri Pump/Tubing
Multipurpose Meter
Turbidity Meter
Trimble GPS Unit "E"

Purpose: Sample the groundwater at the designated monitor wells at East Durham Park.

0915- Arrive at the site.

0945- Calibration of the sampling equipment. See the groundwater electronic field forms for calibration information.

1000- Set out to sample the groundwater. See the attached groundwater electronic field forms for parameters, purge rates, sampling time, and any further information.

1535- Finished sampling for the day. Loaded the work truck.

1545- Left the site for the day.

Attachments:

East Durham Park Groundwater Field Forms.

Hours	Mileage	Signature of S&ME Personnel
6.5 onsite	60	<i>James A. Waters</i>

GROUNDWATER SAMPLING FORM



Project Name:	City of Durham Parks - East Durham Park	Purge Date:	May 6, 2025
Project Location:	East Durham Park	Purge Time (Min.):	5680
Project Number:	23050630, Phase 821RI-10	Sample Date:	May 6, 2025
Source Well:	MW-1	Sample Time:	10:55
Locked?:	Yes	Air Temp:	70 ° F
Sampled By:	Connor Hicks/James Waters		
Weather:	Sunny		

Equipment Calibration Information:

Equipment	Date	Time	Calibration Solution	Calibration Check
pH	5/6/25	09:45	4.00, 7.00, 10.00	4.0 7.0 10.0
Conductivity	5/6/25	09:45	1,413 µS/cm	1,413 µS/cm

Water Level & Well Data

Measuring Point:	Top of Casing	
Depth to Water:	6.78	ft-TOC
Total Well Depth:	33.00	ft-TOC
Height of Water Column:	26.22	feet
Screen Length:	10	ft-GRD
Stickup Height:	0	ft-GRD

Well Volume		
Well Diameter	2	inch
Well Volume	4.3	gal
3 * Well Volume	12.8	gal
5 * Well Volume	21.4	gal

Well Purging Information

Purge Method:
Purge Start Time:
End Time:

Total Volume Purged: gal
 Well Purged Dry?:

Field Parameters

Cumulative Volume (Gal)	Time	pH (s.u.)	Temp (°C)	Cond µS/cm	Turbidity NTU	Comments
0.3	10:25	8.0	18.4	828	25	No Odors
0.7	10:30	8.0	17.9	821	11	No Odors
1.0	10:35	7.9	17.8	822	9.0	No Odors
1.3	10:40	7.8	17.7	819	9.8	No Odors
1.7	10:45	7.8	17.7	815	8.2	No Odors
2.0	10:50	7.8	17.7	812	8.0	No Odors

Sample Method:
Sample Time:

Analytical Data

Method	Qty	Container	Pres.	Method	Qty	Container	Pres.
8260D-VOC NC 02L List	3	40 ml VOAs	HCl	6020B-PRLF 16 Metals, inc. prep; 7470A	1	250 ml P	HNO3
8270E-SVOCs TCL OLM4.2	4	40 ml VOAs	None	350.1-Ammonia as N	1	250 ml P	H2SO4
8270E-SIM-MS-ID-1,4 Dioxane	2	250 ml A	None				
9056A-ORGM-28D/48H	1	125 ml P	None				

Name	Signature	Date
(1) James Waters		5/6/2025

Notes:

GROUNDWATER SAMPLING FORM



Project Name:	City of Durham Parks - East Durham Park		Purge Date:	May 6, 2025
Project Location:	East Durham Park		Purge Time (Min.):	30
Project Number:	23050630, Phase 821RI-10		Sample Date:	May 6, 2025
Source Well:	MW-2		Sample Time:	12:00
Locked?:	Yes		Air Temp:	70 ° F
Sampled By:	Connor Hicks/James Waters			
Weather:	Sunny			

Equipment Calibration Information:

Equipment	Date	Time	Calibration Solution	Calibration Check
pH	5/6/25	09:45	4.00, 7.00, 10.00	4.0 7.0 10.0
Conductivity	5/6/25	09:45	1,413 µS/cm	1,413 µS/cm

Water Level & Well Data

Measuring Point:	Top of Casing	
Depth to Water:	9.15	ft-TOC
Total Well Depth:	43.00	ft-TOC
Height of Water Column:	33.85	feet
Screen Length:	10	ft-GRD
Stickup Height:	0	ft-GRD

Well Volume		
Well Diameter	2	inch
Well Volume	5.5	gal
3 * Well Volume	16.6	gal
5 * Well Volume	27.6	gal

Well Purging Information

Purge Method:
Purge Start Time:
End Time:

Total Volume Purged: gal
 Well Purged Dry?:

Field Parameters

Cumulative Volume (Gal)	Time	pH (s.u.)	Temp (°C)	Cond µS/cm	Turbidity NTU	Comments
0.3	11:30	8.6	17.7	758	6.5	No Odors
0.7	11:35	8.5	17.8	757	6.7	No Odors
1.0	11:40	8.4	17.7	755	5.5	No Odors
1.3	11:45	8.3	17.7	760	7.0	No Odors
1.7	11:50	8.3	17.7	761	6.3	No Odors
2.0	11:55	8.3	17.7	758	7.7	No Odors

Sample Method:
Sample Time:

Analytical Data

Method	Qty	Container	Pres.	Method	Qty	Container	Pres.
8260D-VOC NC 02L List	3	40 ml VOAs	HCl	6020B-PRLF 16 Metals, inc. prep; 7470A	1	250 ml P	HNO3
8270E-SVOCs TCL OLM4.2	4	40 ml VOAs	None	350.1-Ammonia as N	1	250 ml P	H2SO4
8270E-SIM-MS-ID-1,4 Dioxane	2	250 ml A	None				
9056A-ORGM-28D/48H	1	125 ml P	None				

Name	Signature	Date
(1) James Waters		5/6/2025

Notes:

GROUNDWATER SAMPLING FORM



Project Name:	City of Durham Parks - East Durham Park		Purge Date:	May 6, 2025
Project Location:	East Durham Park		Purge Time (Min.):	35
Project Number:	23050630, Phase 821RI-10		Sample Date:	May 6, 2025
Source Well:	MW-3		Sample Time:	13:15
Locked?:	Yes		Air Temp:	70 ° F
Sampled By:	Connor Hicks/James Waters			
Weather:	Sunny			

Equipment Calibration Information:

Equipment	Date	Time	Calibration Solution	Calibration Check
pH	5/6/25	09:45	4.00, 7.00, 10.00	4.0 7.0 10.0
Conductivity	5/6/25	09:45	1,413 µS/cm	1,413 µS/cm

Water Level & Well Data

Measuring Point:	Top of Casing	
Depth to Water:	0.82	ft-TOC
Total Well Depth:	51.60	ft-TOC
Height of Water Column:	50.78	feet
Screen Length:	20	ft-GRD
Stickup Height:	0	ft-GRD

Well Volume		
Well Diameter	2	inch
Well Volume	8.3	gal
3 * Well Volume	24.9	gal
5 * Well Volume	41.4	gal

Well Purging Information

Purge Method:
Purge Start Time:
End Time:

Total Volume Purged: gal
 Well Purged Dry?:

Field Parameters

Cumulative Volume (Gal)	Time	pH (s.u.)	Temp (°C)	Cond µS/cm	Turbidity NTU	Comments
0.3	12:40	8.3	20.7	651	36	No Odors
0.7	12:45	8.3	19.7	645	33	No Odors
1.0	12:50	8.2	20.3	646	25	No Odors
1.3	12:55	8.1	20.3	645	22	No Odors
1.7	13:00	8.1	19	651	18	No Odors
2.0	13:05	8.1	19.2	649	11	No Odors
2.3	13:10	8.2	19	644	8.7	No Odors

Sample Method:
Sample Time:

Analytical Data

Method	Qty	Container	Pres.	Method	Qty	Container	Pres.
8260D-VOC NC 02L List	3	40 ml VOAs	HCl	6020B-PRLF 16 Metals, inc. prep; 7470A	1	250 ml P	HNO3
8270E-SVOCs TCL OLM4.2	4	40 ml VOAs	None	350.1-Ammonia as N	1	250 ml P	H2SO4
8270E-SIM-MS-ID-1,4 Dioxane	2	250 ml A	None				
9056A-ORGM-28D/48H	1	125 ml P	None				

Name	Signature	Date
(1) James Waters		5/6/2025

Notes:

GROUNDWATER SAMPLING FORM



Project Name:	City of Durham Parks - East Durham Park	Purge Date:	May 6, 2025
Project Location:	East Durham Park	Purge Time (Min.):	30
Project Number:	23050630, Phase 821RI-10	Sample Date:	May 6, 2025
Source Well:	MW-4	Sample Time:	14:35
Locked?:	Yes	Air Temp:	70 ° F
Sampled By:	Connor Hicks/James Waters		
Weather:	Sunny		

Equipment Calibration Information:

Equipment	Date	Time	Calibration Solution	Calibration Check
pH	5/6/25	09:45	4.00, 7.00, 10.00	4.0 7.0 10.0
Conductivity	5/6/25	09:45	1,413 µS/cm	1,413 µS/cm

Water Level & Well Data

Measuring Point:	Top of Casing	
Depth to Water:	5.12	ft-TOC
Total Well Depth:	53.00	ft-TOC
Height of Water Column:	47.88	feet
Screen Length:	20	ft-GRD
Stickup Height:	0	ft-GRD

Well Volume		
Well Diameter	2	inch
Well Volume	7.8	gal
3 * Well Volume	23.4	gal
5 * Well Volume	39.1	gal

Well Purging Information

Purge Method:
Purge Start Time:
End Time:

Total Volume Purged: gal
 Well Purged Dry?:

Field Parameters

Cumulative Volume (Gal)	Time	pH (s.u.)	Temp (°C)	Cond µS/cm	Turbidity NTU	Comments
0.3	14:05	8.8	19.6	572	855	No Odors
0.7	14:10	8.4	18.8	559	987	No Odors
1.0	14:15	8.3	19.1	558	759	No Odors
1.3	14:20	8.3	18.6	552	934	No Odors
1.7	14:25	8.5	18.6	553	909	No Odors
2.0	14:30	8.3	18.3	554	922	No Odors

Sample Method:
Sample Time:

Analytical Data

Method	Qty	Container	Pres.	Method	Qty	Container	Pres.
8260D-VOC NC 02L List	3	40 ml VOAs	HCl	6020B-PRLF 16 Metals, inc. prep; 7470A	1	250 ml P	HNO3
8270E-SVOCs TCL OLM4.2	4	40 ml VOAs	None	350.1-Ammonia as N	1	250 ml P	H2SO4
8270E-SIM-MS-ID-1,4 Dioxane	2	250 ml A	None				
9056A-ORGM-28D/48H	1	125 ml P	None				

Name	Signature	Date
(1) James Waters		5/6/2025

Notes:

GROUNDWATER SAMPLING FORM



Project Name:	City of Durham Parks - East Durham Park		Purge Date:	May 6, 2025
Project Location:	East Durham Park		Purge Time (Min.):	25
Project Number:	23050630, Phase 821RI-10		Sample Date:	May 6, 2025
Source Well:	MW-5		Sample Time:	15:15
Locked?:	Yes		Air Temp:	70 ° F
Sampled By:	Connor Hicks/James Waters			
Weather:	Sunny			

Equipment Calibration Information:

Equipment	Date	Time	Calibration Solution	Calibration Check
pH	5/6/25	09:45	4.00, 7.00, 10.00	4.0 7.0 10.0
Conductivity	5/6/25	09:45	1,413 µS/cm	1,413 µS/cm

Water Level & Well Data

Measuring Point:	Top of Casing	
Depth to Water:	4.99	ft-TOC
Total Well Depth:	43.00	ft-TOC
Height of Water Column:	38.01	feet
Screen Length:	20	ft-GRD
Stickup Height:	0	ft-GRD

Well Volume		
Well Diameter	2	inch
Well Volume	6.2	gal
3 * Well Volume	18.6	gal
5 * Well Volume	31.0	gal

Well Purging Information

Purge Method:
Purge Start Time:
End Time:

Total Volume Purged: gal
 Well Purged Dry?:

Field Parameters

Cumulative Volume (Gal)	Time	pH (s.u.)	Temp (°C)	Cond µS/cm	Turbidity NTU	Comments
1.0	14:50	7.1	20.7	353	12	No Odors
2.0	14:55	7.4	20.1	369	20	No Odors
3.0	15:00	7.1	20.1	351	22	No Odors
4.0	15:05	7.2	20.3	353	25	
5.0	15:10	7.3	20.2	354	21	

Sample Method:
Sample Time:

Analytical Data

Method	Qty	Container	Pres.	Method	Qty	Container	Pres.
8260D-VOC NC 02L List	3	40 ml VOAs	HCl	6020B-PRLF 16 Metals, inc. prep; 7470A	1	250 ml P	HNO3
8270E-SVOCs TCL OLM4.2	4	40 ml VOAs	None	350.1-Ammonia as N	1	250 ml P	H2SO4
8270E-SIM-MS-ID-1,4 Dioxane	2	250 ml A	None				
9056A-ORGM-28D/48H	1	125 ml P	None				

Name	Signature	Date
(1) Connor Hicks	<i>Connor Hicks</i>	5/6/2025

Notes:

GROUNDWATER SAMPLING FORM



Project Name:	City of Durham Parks - East Durham Park		Purge Date:	May 6, 2025
Project Location:	East Durham Park		Purge Time (Min.):	20
Project Number:	23050630, Phase 821RI-10		Sample Date:	May 6, 2025
Source Well:	MW-6		Sample Time:	14:15
Locked?:	Yes		Air Temp:	70 ° F
Sampled By:	Connor Hicks/James Waters			
Weather:	Sunny			

Equipment Calibration Information:

Equipment	Date	Time	Calibration Solution	Calibration Check
pH	5/6/25	09:45	4.00, 7.00, 10.00	4.0 7.0 10.0
Conductivity	5/6/25	09:45	1,413 µS/cm	1,413 µS/cm

Water Level & Well Data

Measuring Point:	Top of Casing	
Depth to Water:	4.55	ft-TOC
Total Well Depth:	16.00	ft-TOC
Height of Water Column:	11.45	feet
Screen Length:	10	ft-GRD
Stickup Height:	0	ft-GRD

Well Volume		
Well Diameter	2	inch
Well Volume	1.9	gal
3 * Well Volume	5.6	gal
5 * Well Volume	9.3	gal

Well Purging Information

Purge Method:
Purge Start Time:
End Time:

Total Volume Purged: gal
 Well Purged Dry?:

Field Parameters

Cumulative Volume (Gal)	Time	pH (s.u.)	Temp (°C)	Cond µS/cm	Turbidity NTU	Comments
1.0	13:55	6.9	19.2	272	73	No Odors
2.0	14:00	7.0	17.9	259	43	No Odors
3.0	14:05	7.0	17	259	30	No Odors
4.0	14:10	7.1	17.3	262	38	No Odors

Sample Method:
Sample Time:

Analytical Data

Method	Qty	Container	Pres.	Method	Qty	Container	Pres.
8260D-VOC NC 02L List	3	40 ml VOAs	HCl	6020B-PRLF 16 Metals, inc. prep; 7470A	1	250 ml P	HNO3
8270E-SVOCs TCL OLM4.2	4	40 ml VOAs	None	350.1-Ammonia as N	1	250 ml P	H2SO4
8270E-SIM-MS-ID-1,4 Dioxane	2	250 ml A	None				
9056A-ORGM-28D/48H	1	125 ml P	None				

Name	Signature	Date
(1) Connor Hicks	<i>Connor Hicks</i>	5/6/2025

Notes:

GROUNDWATER SAMPLING FORM



Project Name:	City of Durham Parks - East Durham Park		
Project Location:	East Durham Park		
Project Number:	23050630, Phase 821RI-10	Purge Date:	May 6, 2025
Source Well:	MW-7	Purge Time (Min.):	20
Locked?:	Yes	Sample Date:	May 6, 2025
Sampled By:	Connor Hicks/James Waters	Sample Time:	13:15
Weather:	Sunny	Air Temp:	70 ° F

Equipment Calibration Information:

Equipment	Date	Time	Calibration Solution	Calibration Check
pH	5/6/25	09:45	4.00, 7.00, 10.00	4.0 7.0 10.0
Conductivity	5/6/25	09:45	1,413 µS/cm	1,413 µS/cm

Water Level & Well Data

Measuring Point:	Top of Casing	
Depth to Water:	7.44	ft-TOC
Total Well Depth:	33.00	ft-TOC
Height of Water Column:	25.56	feet
Screen Length:	20	ft-GRD
Stickup Height:	0	ft-GRD

Well Volume		
Well Diameter	2	inch
Well Volume	4.2	gal
3 * Well Volume	12.5	gal
5 * Well Volume	20.9	gal

Well Purging Information

Purge Method:
Purge Start Time:
End Time:

Total Volume Purged: gal
 Well Purged Dry?:

Field Parameters

Cumulative Volume (Gal)	Time	pH (s.u.)	Temp (°C)	Cond µS/cm	Turbidity NTU	Comments
1.0	12:55	7.8	18.2	590	37	No Odors
2.0	13:00	7.3	17.7	571	36	No Odors
3.0	13:05	7.4	17.2	579	33	No Odors
4.0	13:10	7.4	17.3	578	33	

Sample Method:
Sample Time:

Analytical Data

Method	Qty	Container	Pres.	Method	Qty	Container	Pres.
8260D-VOC NC 02L List	3	40 ml VOAs	HCl	6020B-PRLF 16 Metals, inc. prep; 7470A	1	250 ml P	HNO3
8270E-SVOCs TCL OLM4.2	4	40 ml VOAs	None	350.1-Ammonia as N	1	250 ml P	H2SO4
8270E-SIM-MS-ID-1,4 Dioxane	2	250 ml A	None				
9056A-ORGFm-28D/48H	1	125 ml P	None				

Name	Signature	Date
(1) Connor Hicks		5/6/2025

Notes:

GROUNDWATER SAMPLING FORM



Project Name:	City of Durham Parks - East Durham Park	Purge Date:	May 6, 2025
Project Location:	East Durham Park	Purge Time (Min.):	20
Project Number:	23050630, Phase 821RI-10	Sample Date:	May 6, 2025
Source Well:	MW-8	Sample Time:	12:15
Locked?:	Yes	Air Temp:	70 ° F
Sampled By:	Connor Hicks/James Waters		
Weather:	Sunny		

Equipment Calibration Information:

Equipment	Date	Time	Calibration Solution	Calibration Check
pH	5/6/25	09:45	4.00, 7.00, 10.00	4.0 7.0 10.0
Conductivity	5/6/25	09:45	1,413 µS/cm	1,413 µS/cm

Water Level & Well Data

Measuring Point:	Top of Casing	
Depth to Water:	2.13	ft-TOC
Total Well Depth:	18.00	ft-TOC
Height of Water Column:	15.87	feet
Screen Length:	10	ft-GRD
Stickup Height:	0	ft-GRD

Well Volume		
Well Diameter	2	inch
Well Volume	2.6	gal
3 * Well Volume	7.8	gal
5 * Well Volume	12.9	gal

Well Purging Information

Purge Method:

 Purge Start Time:

 End Time:

Total Volume Purged: gal

 Well Purged Dry?:

Field Parameters

Cumulative Volume (Gal)	Time	pH (s.u.)	Temp (°C)	Cond µS/cm	Turbidity NTU	Comments
1.0	11:55	7.1	17.4	669	83	No Odors
2.0	12:00	7.4	16.9	648	70	No Odors
3.0	12:05	7.0	16.9	648	56	No Odors
4.0	12:10	7.1	16.9	648	39	

Sample Method:

 Sample Time:

Analytical Data

Method	Qty	Container	Pres.	Method	Qty	Container	Pres.
8260D-VOC NC 02L List	3	40 ml VOAs	HCl	6020B-PRLF 16 Metals, inc. prep; 7470A	1	250 ml P	HNO3
8270E-SVOCs TCL OLM4.2	4	40 ml VOAs	None	350.1-Ammonia as N	1	250 ml P	H2SO4
8270E-SIM-MS-ID-1,4 Dioxane	2	250 ml A	None				
9056A-ORGM-28D/48H	1	125 ml P	None				

Name	Signature	Date
(1) Connor Hicks		5/6/2025

Notes:

GROUNDWATER SAMPLING FORM



Project Name:	City of Durham Parks - East Durham Park		Purge Date:	May 6, 2025
Project Location:	East Durham Park		Purge Time (Min.):	20
Project Number:	23050630, Phase 821RI-10		Sample Date:	May 6, 2025
Source Well:	MW-9		Sample Time:	10:50
Locked?:	Yes		Air Temp:	70 ° F
Sampled By:	Connor Hicks/James Waters			
Weather:	Sunny			

Equipment Calibration Information:

Equipment	Date	Time	Calibration Solution	Calibration Check
pH	5/6/25	09:45	4.00, 7.00, 10.00	4.0 7.0 10.0
Conductivity	5/6/25	09:45	1,413 µS/cm	1,413 µS/cm

Water Level & Well Data

Measuring Point:	Top of Casing	
Depth to Water:	3.73	ft-TOC
Total Well Depth:	22.50	ft-TOC
Height of Water Column:	18.77	feet
Screen Length:	15	ft-GRD
Stickup Height:	0	ft-GRD

Well Volume		
Well Diameter	2	inch
Well Volume	3.1	gal
3 * Well Volume	9.2	gal
5 * Well Volume	15.3	gal

Well Purging Information

Purge Method:
Purge Start Time:
End Time:

Total Volume Purged: gal
 Well Purged Dry?:

Field Parameters

Cumulative Volume (Gal)	Time	pH (s.u.)	Temp (°C)	Cond µS/cm	Turbidity NTU	Comments
1.0	10:30	7.5	17.3	576	420	No Odors
2.0	10:35	7.5	16.7	498	139	No Odors
3.0	10:40	7.9	16.4	461	166	No Odors
4.0	10:45	7.9	15.9	459	145	

Sample Method:
Sample Time:

Analytical Data

Method	Qty	Container	Pres.	Method	Qty	Container	Pres.
8260D-VOC NC 02L List	3	40 ml VOAs	HCl	6020B-PRLF 16 Metals, inc. prep; 7470A	1	250 ml P	HNO3
8270E-SVOCs TCL OLM4.2	4	40 ml VOAs	None	350.1-Ammonia as N	1	250 ml P	H2SO4
8270E-SIM-MS-ID-1,4 Dioxane	2	250 ml A	None				
9056A-ORGM-28D/48H	1	125 ml P	None				

Name	Signature	Date
(1) Connor Hicks		5/6/2025

Notes: Location of DUPLICATE-1

LANDFILL GAS SCREENING FORM



Project Name:	Eas Durham Park	Location:	Durham, NC	Meter Type/ Meter Name/ Serial No.:		
NCDEQ ID No.:	NONCD0000821	Date:	4/15/2025	Gas Analyzer	GEM 5000	
S&ME Project No.:	23050630	Weather:	Overcast	PID	Mini Rae 3000	Pre Calibration Time: 800
Task Order:	RI-10	S&ME Personnel:	Jim Peele, Rachel Moore	Thermo Hygrometer	UEI OTH 10	Post Calibration Time: 945

PRE Equipment Calibration				Calibration Notes	POST Equipment Calibration					
PID (Isobutylene)	0 ppm =	0	100 ppm =		100	PID (Isobutylene)	0 ppm =	0	100 ppm =	100
Fresh Air	CH ₄ (0%) =	0	O ₂ (20.9%) =		20.6	Fresh Air	CH ₄ (0%) =	0	O ₂ (20.9%) =	20.6
Methane High	CH ₄ (50%) =	50	CO ₂ (35%) =		35	Methane High	CH ₄ (50%) =	50	CO ₂ (35%) =	35
	O ₂ (0%) =	0					O ₂ (0%) =	0		
H2S Mix	CH ₄ (2.5%) =	2.5	O ₂ (18%) =		18	H2S Mix	CH ₄ (2.5%) =	2.5	O ₂ (18%) =	18
	H ₂ S (10 ppm) =	10	CO (50 ppm) =	50	H ₂ S (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	07:50	0.0		0.0		0.0	20.1	0	29.41	67.0	59
BG-2	07:55	0.0		0.0		0.0	20.1	0	29.39	67.0	59
LFGP-1	08:00	0.0		0.0		0.0	18.9	0	29.41	67.0	59
LFGP-2	08:10	0.0		0.0		0.0	18.8	0	29.41	67.0	59
LFGP-3	08:20	0.0		0.0		0.0	19.2	0	29.41	67.0	59
LFGP-4	08:30	0.0		0.0		0.1	19.1	0	29.41	67.0	59
LFGP-5	08:40	0.9		0.0		2.1	18.0	0	29.39	67.0	59
LFGP-6	08:50	0.0		0.0		0.1	19.4	0	29.39	67.0	59
LFGP-7	09:00	0.0		0.0		0.1	19.4	0	29.40	67.0	59
LFGP-8	09:05	0.2		0.0		0.1	19.3	0	29.40	67.0	59
LFGP-9	09:20	0.3		0.0		0.1	19.4	0	29.40	68.0	57

Name	Signature	Date	Notes:
(1) Jim Peele		7/31/2025	

SOIL VAPOR FIELD SAMPLING FORM



Project Name:	East Durham Park	Date:	16-Apr
Project Number:	23050630	Air Temp (°F):	60
Location:	Durham NC	Calibration Date:	
Weather:	Sunny		
Helium Detector Serial No.:			

Sample Information					
Sample Type	Soil Gas Implant	Soil Gas Implant	Soil Gas Implant	Soil Gas Implant	Soil Gas Implant
Sample ID	LFGP-9	LFGP-4	LFGP-2	LFGP-3	LFGP-1
Canister ID	39980	39968	48085	47527	44621
Regulator ID	20116	10520	20121	10519	20257
Canister Volume (L)	6	6	6	6	6
Ambient Temp (°F)	60	60	60	60	60
Barometric Pressure (inHg)	30.3	30.3	30.3	30.3	30.3

Leak Test Information					
Purge Method	Personal Pump	Personal Pump	Personal Pump	Personal Pump	Personal Pump
He Concentration in Shroud (%)	12	13.3	10.7	12.2	11.9
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	0.25" ID	Sand Pack	0.17" ID	0.25" ID	Sand Pack	0.17" ID	0.25" ID	Sand Pack	0.17" ID	0.25" ID	Sand Pack	0.17" ID	0.25" ID	Sand Pack
	Total Tubing (ft)	Total Tubing (in)	Interval (in)	Total Tubing (ft)	Total Tubing (in)	Interval (in)	Total Tubing (ft)	Total Tubing (in)	Interval (in)	Total Tubing (ft)	Total Tubing (in)	Interval (in)	Total Tubing (ft)	Total Tubing (in)	Interval (in)
	3		1.5	3		1.5	3		1.5	3		1	3		1.5
Sand Pack Interval Depth (in-bgs)	1	to	2	1	to	2	1	to	2	1	to	2	1	to	2
Total Well Depth (in-bgs)	3			2											
Volume (mL)	229			229			229			171			229		
Purge Flow Rate (mL/min)	200			200			200			200			200		
Purge Interval (3x Vol.) (min)	3.4			3.4			3.4			2.6			3.4		
Actual Purge Time (min)															

Sample Collection					
Start Time	11:20	11:25	11:30	11:35	11:45
Initial Vacuum (inHg)	30	30	30	29	30
End Time	12:50	13:00	13:05	13:10	13:30
Final Vacuum (inHg)	8	8	8	7	8
Approximate Total Time (min)	90	95	95	95	105
Sample Analysis					

Sampler Information			
Sampled by:	Jim Peele	Sampler Signature:	Date: 7/31/2025

Notes: 1. Per the NCDEQ DWM VI Guidance dated April 2014, the helium concentration detected during the leak test shall not exceed 10% of the helium concentration in the shroud.

SOIL VAPOR FIELD SAMPLING FORM



Project Name:	East Durham Park	Date:	16-Apr
Project Number:	23060630 Task Order RI-13	Air Temp (°F):	65
Location:	Durham, NC	Calibration Date:	
Weather:	Sunny		
Helium Detector Serial No.:			

Sample Information					
Sample Type					
Sample ID	LFGP-5	LFGP-DUP (LFGP-5)	LFGP-6	LFGP-7	LFGP-8
Canister ID	50951	49664	49509	42729	39970
Regulator ID	10532	17214	10115	10114	10535
Canister Volume (L)	6	6	6	6	6
Ambient Temp (°F)	65		65	67	67
Barometric Pressure (inHg)	29.4		29.4	29.4	29.4

Leak Test Information					
Purge Method	Personal Pump	Personal Pump	Personal Pump	Personal Pump	Personal Pump
He Concentration in Shroud (%)	13.7	13.7	12.9	14.8	13.3
He Detected in Leak Test (Y or N)	No	No	No	No	No
He Conc. Detected in Leak Test (ppm)	0		0	0	0
Percent of He in the Leak Test versus the Shroud	0.000%		0.000%	0.000%	0.000%
Leak Test Passed (Yes/No) ¹	Yes		Yes	Yes	Yes

Purge Information															
Enter Construction Details →	0.17" ID	0.25" ID	Sand Pack	0.17" ID	0.25" ID	Sand Pack	0.17" ID	0.25" ID	Sand Pack	0.17" ID	0.25" ID	Sand Pack	0.17" ID	0.25" ID	Sand Pack
	Total Tubing (ft)	Total Tubing (in)	Interval (in)	Total Tubing (ft)	Total Tubing (in)	Interval (in)	Total Tubing (ft)	Total Tubing (in)	Interval (in)	Total Tubing (ft)	Total Tubing (in)	Interval (in)	Total Tubing (ft)	Total Tubing (in)	Interval (in)
	5		6				5		5	5	10	5	5		5
Sand Pack Interval Depth (in-bgs)	4	to	10		to		4	to	9	5	to	10	5	to	10
Total Well Depth (in-bgs)	10						9			10			9		
Volume (mL)	857						741			749			741		
Purge Flow Rate (mL/min)	200						200			200			200		
Purge Interval (3x Vol.) (min)	12.9						11.1			11.2			11.1		
Actual Purge Time (min)	13.0						11.0			11.0			11.0		

Sample Collection					
Start Time	10:40	10:40	11:10	11:40	12:00
Initial Vacuum (inHg)	29	28	27	28	30
End Time	13:50	14:10	13:00	13:25	13:45
Final Vacuum (inHg)	1	5	5	5	5
Approximate Total Time (min)	190	210	110	105	105
Sample Analysis					

Sampler Information			
Sampled by:	Jim Peele	Sampler Signature:	Date: 7/31/2025

Notes: 1. Per the NCDEQ DWM VI Guidance dated April 2014, the helium concentration detected during the leak test shall not exceed 10% of the helium concentration in the shroud.



Environmental Field Report	
Date: 6/30/2025	Job Number: 23050630
Project Name: 823 East Durham Hydrogen Sulfide Resample	Weather/Temperature: Sunny/Windy, 95 °F
Project Location: East End Park	
Notes By: <input checked="" type="checkbox"/> <input type="checkbox"/>	Present at the Site: Hailey Maness

Equipment Used
Peristaltic Pump
Tedlar Bags
Silicon Tubing
Soil Gas Tubing (Teflon Lined)

On June 30, 2025, Hailey Maness visited East Durham Park to resample Hydrogen Sulfide by ASTM 5504 analyzed by EMSL

Arrived on Site @14:20 and began prep work
Each point was purged for ~5 minutes, or one well volume before sampling.

- 823-LFGP-01: 1430
- 823-LFGP-02: Point destroyed/abandoned
- 823-LFGP-03 (DUP-1): 1440
- 823-LFGP-04: 1450
- 823-LFGP-05: 1500
- 823-LFGP-06: 1510
- 823-LFGP-07: Point destroyed/abandoned
- 823-LFGP-08: Not sampled, filled with water, never ran dry
- 821-LFGP-09: Not sampled, filled with water, never ran dry

1530: Connor Hicks arrived on site, packed box, filled out COC, and headed for Fed Ex to ship priority overnight to EMSL New Jersey Lab.

Hours	Mileage	Signature of S&ME Personnel
2	60	

Appendix IV – Laboratory Analytical Reports and COC



Project Name	East Durham Park
S&ME Project No.	23050630
Date of Review	June 6, 2025

1.0 Project Identification

Project Description	Groundwater Sampling
Project Location	East Durham Park, Durham, Durham County, NC
NCDEQ ID	NONCD0000821
PRLF Task Order(s)	821RI-10

2.0 Laboratory Information

Primary Laboratory Name	Eurofins Environment Testing (The laboratory states its N.C. certification for all analytes tested, within the “Accreditations & Certification” Section of their report.)
Location	104 Woodwinds Industrial Court Suite A, Cary, North Carolina 27511
Pace Lab Report IDs, and Sample Collection Dates	400-275450-1 (dated 5/19/25), Collected on 5/6/2025

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

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



4.0 Laboratory Quality Control Review

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

5.0 Data Review Summary

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



ANALYTICAL REPORT

PREPARED FOR

Attn: Jerry Paul
S&ME Inc
3201 Spring Forest Road
Raleigh, North Carolina 27616

Generated 5/19/2025 2:35:37 PM

JOB DESCRIPTION

City of Durham Parks

JOB NUMBER

400-275450-1

Eurofins Pensacola

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



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5/19/2025 2:35:37 PM

Authorized for release by
Chad Bechtold, Project Manager
Chad.Bechtold@et.eurofinsus.com
(813)690-3563



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Case Narrative

Client: S&ME Inc
Project: City of Durham Parks

Job ID: 400-275450-1

Job ID: 400-275450-1

Eurofins Pensacola

Job Narrative 400-275450-1

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 5/7/2025 9:50 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 1.5°C and 5.1°C.

GC/MS VOA

Method 8260D: The laboratory control sample (LCS) for analytical batch 400-709273 recovered outside control limits for the following analyte: n-Butylbenzene. 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_QQQ: Six surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: MW-1 (400-275450-1), MW-2 (400-275450-2), MW-3 (400-275450-3), MW-4 (400-275450-4), MW-5 (400-275450-5), MW-7 (400-275450-7), MW-9 (400-275450-9) and DUPLICATE-1 (400-275450-10). These results have been reported and qualified.

Method 8270E_QQQ: The following analyte recovered outside control limits for the laboratory control sample / laboratory control sample duplicate (LCS/LCSD) associated with preparation batch 400-709016 and analytical batch 400-709374: Chrysene. This is not indicative of a systematic control problem because this was a random marginal exceedance. Qualified results have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 9056A_ORGFM_28D: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-1 (400-275450-1) and MW-8 (400-275450-8). 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.

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.

Eurofins Pensacola

Detection Summary

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: MW-1

Lab Sample ID: 400-275450-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.624	J	1.00	0.400	ug/L	1		8260D	Total/NA
Nitrate as N	0.0644	J	0.100	0.0630	mg/L	1		9056A	Total/NA
Sulfate	58.6		5.00	1.95	mg/L	5		9056A	Total/NA
Arsenic	1.43	J	3.00	0.860	ug/L	1		6020B	Total Recoverable
Barium	255		5.00	0.890	ug/L	1		6020B	Total Recoverable
Cobalt	3.27		0.500	0.220	ug/L	1		6020B	Total Recoverable
Copper	2.09	J	5.00	1.08	ug/L	1		6020B	Total Recoverable
Lead	0.410	J	2.50	0.210	ug/L	1		6020B	Total Recoverable
Manganese	723		5.00	2.20	ug/L	1		6020B	Total Recoverable
Nickel	4.23	J	5.00	0.420	ug/L	1		6020B	Total Recoverable
Selenium	1.25	J	2.50	0.990	ug/L	1		6020B	Total Recoverable
Vanadium	4.48	J	10.0	0.630	ug/L	1		6020B	Total Recoverable

Client Sample ID: MW-2

Lab Sample ID: 400-275450-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.951	J	1.00	0.400	ug/L	1		8260D	Total/NA
Sulfate	17.3		1.00	0.390	mg/L	1		9056A	Total/NA
Barium	575		5.00	0.890	ug/L	1		6020B	Total Recoverable
Cadmium	0.100	J	0.500	0.0780	ug/L	1		6020B	Total Recoverable
Manganese	53.4		5.00	2.20	ug/L	1		6020B	Total Recoverable
Nickel	0.970	J	5.00	0.420	ug/L	1		6020B	Total Recoverable
Vanadium	0.955	J	10.0	0.630	ug/L	1		6020B	Total Recoverable
Zinc	3.46	J	20.0	2.80	ug/L	1		6020B	Total Recoverable

Client Sample ID: MW-3

Lab Sample ID: 400-275450-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.510	J	1.00	0.500	ug/L	1		8260D	Total/NA
Chloromethane	0.828	J	1.00	0.400	ug/L	1		8260D	Total/NA
Sulfate	22.2		1.00	0.390	mg/L	1		9056A	Total/NA
Arsenic	8.15		3.00	0.860	ug/L	1		6020B	Total Recoverable
Barium	433		5.00	0.890	ug/L	1		6020B	Total Recoverable
Cobalt	0.890		0.500	0.220	ug/L	1		6020B	Total Recoverable
Manganese	151		5.00	2.20	ug/L	1		6020B	Total Recoverable
Nickel	2.92	J	5.00	0.420	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Detection Summary

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: MW-3 (Continued)

Lab Sample ID: 400-275450-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Selenium	1.00	J	2.50	0.990	ug/L	1		6020B	Total Recoverable
Vanadium	1.78	J	10.0	0.630	ug/L	1		6020B	Total Recoverable
Zinc	5.91	J	20.0	2.80	ug/L	1		6020B	Total Recoverable

Client Sample ID: MW-4

Lab Sample ID: 400-275450-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.549	J	1.00	0.500	ug/L	1		8260D	Total/NA
Chloromethane	1.07		1.00	0.400	ug/L	1		8260D	Total/NA
Sulfate	11.9		1.00	0.390	mg/L	1		9056A	Total/NA
Arsenic	1.66	J	3.00	0.860	ug/L	1		6020B	Total Recoverable
Barium	286		5.00	0.890	ug/L	1		6020B	Total Recoverable
Beryllium	1.48		0.500	0.200	ug/L	1		6020B	Total Recoverable
Cobalt	4.94		0.500	0.220	ug/L	1		6020B	Total Recoverable
Copper	4.79	J	5.00	1.08	ug/L	1		6020B	Total Recoverable
Lead	2.61		2.50	0.210	ug/L	1		6020B	Total Recoverable
Manganese	656		5.00	2.20	ug/L	1		6020B	Total Recoverable
Nickel	7.82		5.00	0.420	ug/L	1		6020B	Total Recoverable
Selenium	1.41	J	2.50	0.990	ug/L	1		6020B	Total Recoverable
Vanadium	11.2		10.0	0.630	ug/L	1		6020B	Total Recoverable
Zinc	13.3	J	20.0	2.80	ug/L	1		6020B	Total Recoverable

Client Sample ID: MW-5

Lab Sample ID: 400-275450-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.550	J	1.00	0.500	ug/L	1		8260D	Total/NA
Chloromethane	0.826	J	1.00	0.400	ug/L	1		8260D	Total/NA
Nitrate as N	1.12		0.100	0.0630	mg/L	1		9056A	Total/NA
Sulfate	16.7		1.00	0.390	mg/L	1		9056A	Total/NA
Arsenic	1.17	J	3.00	0.860	ug/L	1		6020B	Total Recoverable
Barium	135		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	0.380	J	0.500	0.220	ug/L	1		6020B	Total Recoverable
Manganese	57.1		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	15.4		10.0	0.630	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Detection Summary

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: MW-5 (Continued)

Lab Sample ID: 400-275450-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	3.29	J	20.0	2.80	ug/L	1		6020B	Total Recoverable
Mercury	0.0826	J	0.200	0.0800	ug/L	1		7470A	Total/NA

Client Sample ID: MW-6

Lab Sample ID: 400-275450-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.504	J	1.00	0.400	ug/L	1		8260D	Total/NA
Nitrate as N	1.12		0.100	0.0630	mg/L	1		9056A	Total/NA
Sulfate	17.0		1.00	0.390	mg/L	1		9056A	Total/NA
Barium	37.4		5.00	0.890	ug/L	1		6020B	Total Recoverable
Chromium	3.48	J	5.00	1.20	ug/L	1		6020B	Total Recoverable
Cobalt	0.895		0.500	0.220	ug/L	1		6020B	Total Recoverable
Copper	3.34	J	5.00	1.08	ug/L	1		6020B	Total Recoverable
Manganese	40.8		5.00	2.20	ug/L	1		6020B	Total Recoverable
Nickel	2.32	J	5.00	0.420	ug/L	1		6020B	Total Recoverable
Vanadium	19.0		10.0	0.630	ug/L	1		6020B	Total Recoverable

Client Sample ID: MW-7

Lab Sample ID: 400-275450-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.691	J	1.00	0.500	ug/L	1		8260D	Total/NA
Chloromethane	0.817	J	1.00	0.400	ug/L	1		8260D	Total/NA
Sulfate	35.3		1.00	0.390	mg/L	1		9056A	Total/NA
Arsenic	1.39	J	3.00	0.860	ug/L	1		6020B	Total Recoverable
Barium	379		5.00	0.890	ug/L	1		6020B	Total Recoverable
Cobalt	0.360	J	0.500	0.220	ug/L	1		6020B	Total Recoverable
Manganese	126		5.00	2.20	ug/L	1		6020B	Total Recoverable
Nickel	1.55	J	5.00	0.420	ug/L	1		6020B	Total Recoverable
Vanadium	2.42	J	10.0	0.630	ug/L	1		6020B	Total Recoverable
Zinc	3.20	J	20.0	2.80	ug/L	1		6020B	Total Recoverable

Client Sample ID: MW-8

Lab Sample ID: 400-275450-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.668	J	1.00	0.500	ug/L	1		8260D	Total/NA
Chloromethane	2.25		1.00	0.400	ug/L	1		8260D	Total/NA
1,4-Dioxane	0.692		0.280	0.280	ug/L	1		8270E SIM ID	Total/NA
Sulfate	74.9		5.00	1.95	mg/L	5		9056A	Total/NA
Barium	104		5.00	0.890	ug/L	1		6020B	Total Recoverable
Cobalt	0.340	J	0.500	0.220	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Detection Summary

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: MW-8 (Continued)

Lab Sample ID: 400-275450-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	1.36	J	5.00	1.08	ug/L	1		6020B	Total Recoverable
Lead	0.500	J	2.50	0.210	ug/L	1		6020B	Total Recoverable
Manganese	65.6		5.00	2.20	ug/L	1		6020B	Total Recoverable
Nickel	1.97	J	5.00	0.420	ug/L	1		6020B	Total Recoverable
Vanadium	4.95	J	10.0	0.630	ug/L	1		6020B	Total Recoverable
Zinc	6.09	J	20.0	2.80	ug/L	1		6020B	Total Recoverable

Client Sample ID: MW-9

Lab Sample ID: 400-275450-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.509	J	1.00	0.500	ug/L	1		8260D	Total/NA
Chloromethane	1.72		1.00	0.400	ug/L	1		8260D	Total/NA
Ethyl acetate	6.79	J	10.0	6.14	ug/L	1		8260D	Total/NA
Sulfate	22.0		1.00	0.390	mg/L	1		9056A	Total/NA
Arsenic	6.14		3.00	0.860	ug/L	1		6020B	Total Recoverable
Barium	282		5.00	0.890	ug/L	1		6020B	Total Recoverable
Beryllium	0.385	J	0.500	0.200	ug/L	1		6020B	Total Recoverable
Cobalt	2.52		0.500	0.220	ug/L	1		6020B	Total Recoverable
Copper	1.66	J	5.00	1.08	ug/L	1		6020B	Total Recoverable
Lead	0.485	J	2.50	0.210	ug/L	1		6020B	Total Recoverable
Manganese	836		5.00	2.20	ug/L	1		6020B	Total Recoverable
Nickel	6.47		5.00	0.420	ug/L	1		6020B	Total Recoverable
Selenium	1.67	J	2.50	0.990	ug/L	1		6020B	Total Recoverable
Vanadium	15.8		10.0	0.630	ug/L	1		6020B	Total Recoverable
Zinc	6.04	J	20.0	2.80	ug/L	1		6020B	Total Recoverable

Client Sample ID: DUPLICATE-1

Lab Sample ID: 400-275450-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.801	J	1.00	0.500	ug/L	1		8260D	Total/NA
Chloromethane	0.531	J	1.00	0.400	ug/L	1		8260D	Total/NA
1,4-Dioxane	2.18		0.292	0.292	ug/L	1		8270E SIM ID	Total/NA
Nitrate as N	0.179		0.100	0.0630	mg/L	1		9056A	Total/NA
Sulfate	20.3		1.00	0.390	mg/L	1		9056A	Total/NA
Arsenic	5.10		3.00	0.860	ug/L	1		6020B	Total Recoverable
Barium	294		5.00	0.890	ug/L	1		6020B	Total Recoverable
Cobalt	2.25		0.500	0.220	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Detection Summary

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: DUPLICATE-1 (Continued)

Lab Sample ID: 400-275450-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	1.16	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	752		5.00	2.20	ug/L	1		6020B	Total Recoverable
Nickel	5.42		5.00	0.420	ug/L	1		6020B	Total Recoverable
Selenium	2.01	J	2.50	0.990	ug/L	1		6020B	Total Recoverable
Vanadium	18.8		10.0	0.630	ug/L	1		6020B	Total Recoverable
Zinc	4.36	J	20.0	2.80	ug/L	1		6020B	Total Recoverable

Client Sample ID: TRIP BLANKS

Lab Sample ID: 400-275450-11

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Sample Summary

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-275450-1	MW-1	Water	05/06/25 10:55	05/07/25 09:50
400-275450-2	MW-2	Water	05/06/25 12:00	05/07/25 09:50
400-275450-3	MW-3	Water	05/06/25 13:15	05/07/25 09:50
400-275450-4	MW-4	Water	05/06/25 14:35	05/07/25 09:50
400-275450-5	MW-5	Water	05/06/25 15:15	05/07/25 09:50
400-275450-6	MW-6	Water	05/06/25 14:15	05/07/25 09:50
400-275450-7	MW-7	Water	05/06/25 13:15	05/07/25 09:50
400-275450-8	MW-8	Water	05/06/25 12:15	05/07/25 09:50
400-275450-9	MW-9	Water	05/06/25 10:50	05/07/25 09:50
400-275450-10	DUPLICATE-1	Water	05/06/25 10:50	05/07/25 09:50
400-275450-11	TRIP BLANKS	Water	05/06/25 00:00	05/07/25 09:50

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Client Sample Results

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: MW-1

Lab Sample ID: 400-275450-1

Date Collected: 05/06/25 10:55

Matrix: Water

Date Received: 05/07/25 09:50

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			05/15/25 12:48	1
Benzene	ND		1.00	0.500	ug/L			05/15/25 12:48	1
Bromobenzene	ND		1.00	0.540	ug/L			05/15/25 12:48	1
Bromoform	ND		5.00	0.250	ug/L			05/15/25 12:48	1
Bromomethane	ND		1.00	0.980	ug/L			05/15/25 12:48	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			05/15/25 12:48	1
Carbon disulfide	ND		1.00	0.500	ug/L			05/15/25 12:48	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			05/15/25 12:48	1
Chlorobenzene	ND		1.00	0.420	ug/L			05/15/25 12:48	1
Chlorobromomethane	ND		1.00	0.520	ug/L			05/15/25 12:48	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			05/15/25 12:48	1
Chloroethane	ND		1.00	0.760	ug/L			05/15/25 12:48	1
Chloroform	ND		1.00	0.900	ug/L			05/15/25 12:48	1
Chloromethane	0.624	J	1.00	0.400	ug/L			05/15/25 12:48	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			05/15/25 12:48	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			05/15/25 12:48	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			05/15/25 12:48	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			05/15/25 12:48	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			05/15/25 12:48	1
Dibromomethane	ND		5.00	0.220	ug/L			05/15/25 12:48	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			05/15/25 12:48	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			05/15/25 12:48	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			05/15/25 12:48	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			05/15/25 12:48	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			05/15/25 12:48	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			05/15/25 12:48	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			05/15/25 12:48	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			05/15/25 12:48	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			05/15/25 12:48	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			05/15/25 12:48	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			05/15/25 12:48	1
Ethyl acetate	ND		10.0	6.14	ug/L			05/15/25 12:48	1
Ethylbenzene	ND		1.00	0.500	ug/L			05/15/25 12:48	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			05/15/25 12:48	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			05/15/25 12:48	1
Hexane	ND		1.00	0.960	ug/L			05/15/25 12:48	1
2-Hexanone	ND		25.0	4.26	ug/L			05/15/25 12:48	1
Iodomethane	ND		1.00	0.900	ug/L			05/15/25 12:48	1
Isopropylbenzene	ND		1.00	0.530	ug/L			05/15/25 12:48	1
Isopropyl ether	ND		1.00	0.740	ug/L			05/15/25 12:48	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			05/15/25 12:48	1
Methylene Chloride	ND		5.00	3.00	ug/L			05/15/25 12:48	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			05/15/25 12:48	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			05/15/25 12:48	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			05/15/25 12:48	1
Naphthalene	ND		5.00	3.00	ug/L			05/15/25 12:48	1
n-Butylbenzene	ND	*+	1.00	0.760	ug/L			05/15/25 12:48	1
n-Heptane	ND		1.00	0.210	ug/L			05/15/25 12:48	1
N-Propylbenzene	ND		1.00	0.690	ug/L			05/15/25 12:48	1

Eurofins Pensacola

Client Sample Results

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: MW-1

Lab Sample ID: 400-275450-1

Date Collected: 05/06/25 10:55

Matrix: Water

Date Received: 05/07/25 09:50

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			05/15/25 12:48	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			05/15/25 12:48	1
Styrene	ND		1.00	1.00	ug/L			05/15/25 12:48	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			05/15/25 12:48	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			05/15/25 12:48	1
1,1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			05/15/25 12:48	1
Tetrachloroethene	ND		1.00	0.330	ug/L			05/15/25 12:48	1
Toluene	ND		1.00	0.900	ug/L			05/15/25 12:48	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			05/15/25 12:48	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			05/15/25 12:48	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			05/15/25 12:48	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			05/15/25 12:48	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			05/15/25 12:48	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			05/15/25 12:48	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			05/15/25 12:48	1
Trichloroethene	ND		1.00	0.150	ug/L			05/15/25 12:48	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			05/15/25 12:48	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			05/15/25 12:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			05/15/25 12:48	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			05/15/25 12:48	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			05/15/25 12:48	1
Vinyl acetate	ND		25.0	0.930	ug/L			05/15/25 12:48	1
Vinyl chloride	ND		1.00	0.500	ug/L			05/15/25 12:48	1
Xylenes, Total	ND		10.0	6.00	ug/L			05/15/25 12:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	111		56 - 136		05/15/25 12:48	1
Dibromofluoromethane	94		79 - 130		05/15/25 12:48	1
1,2-Dichloroethane-d4 (Surr)	92		59 - 146		05/15/25 12:48	1
Toluene-d8 (Surr)	103		64 - 132		05/15/25 12:48	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		0.296	0.296	ug/L		05/13/25 07:00	05/16/25 15:40	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	25		10 - 140	05/13/25 07:00	05/16/25 15:40	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		8.85	0.372	ug/L		05/13/25 07:00	05/16/25 11:26	1
2,4,5-Trichlorophenol	ND		8.85	0.478	ug/L		05/13/25 07:00	05/16/25 11:26	1
2,4,6-Trichlorophenol	ND		8.85	0.965	ug/L		05/13/25 07:00	05/16/25 11:26	1
2,4-Dichlorophenol	ND		8.85	0.504	ug/L		05/13/25 07:00	05/16/25 11:26	1
2,4-Dimethylphenol	ND		8.85	0.212	ug/L		05/13/25 07:00	05/16/25 11:26	1
2,4-Dinitrophenol	ND		26.5	4.14	ug/L		05/13/25 07:00	05/16/25 11:26	1
2,4-Dinitrotoluene	ND		8.85	0.575	ug/L		05/13/25 07:00	05/16/25 11:26	1
2,6-Dinitrotoluene	ND		8.85	0.257	ug/L		05/13/25 07:00	05/16/25 11:26	1
2-Chloronaphthalene	ND		8.85	0.336	ug/L		05/13/25 07:00	05/16/25 11:26	1
2-Chlorophenol	ND		8.85	0.743	ug/L		05/13/25 07:00	05/16/25 11:26	1
2-Methylnaphthalene	ND		8.85	0.717	ug/L		05/13/25 07:00	05/16/25 11:26	1

Eurofins Pensacola

Client Sample Results

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: MW-1

Lab Sample ID: 400-275450-1

Date Collected: 05/06/25 10:55

Matrix: Water

Date Received: 05/07/25 09:50

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		8.85	0.673	ug/L		05/13/25 07:00	05/16/25 11:26	1
2-Nitroaniline	ND		8.85	1.21	ug/L		05/13/25 07:00	05/16/25 11:26	1
2-Nitrophenol	ND		8.85	1.04	ug/L		05/13/25 07:00	05/16/25 11:26	1
3 & 4 Methylphenol	ND		17.7	4.07	ug/L		05/13/25 07:00	05/16/25 11:26	1
3,3'-Dichlorobenzidine	ND		9.73	0.363	ug/L		05/13/25 07:00	05/16/25 11:26	1
3-Nitroaniline	ND		8.85	0.841	ug/L		05/13/25 07:00	05/16/25 11:26	1
4,6-Dinitro-2-methylphenol	ND		8.85	1.74	ug/L		05/13/25 07:00	05/16/25 11:26	1
4-Bromophenyl phenyl ether	ND		8.85	0.115	ug/L		05/13/25 07:00	05/16/25 11:26	1
4-Chloro-3-methylphenol	ND		8.85	0.646	ug/L		05/13/25 07:00	05/16/25 11:26	1
4-Chloroaniline	ND		8.85	0.248	ug/L		05/13/25 07:00	05/16/25 11:26	1
4-Chlorophenyl phenyl ether	ND		8.85	0.212	ug/L		05/13/25 07:00	05/16/25 11:26	1
4-Nitroaniline	ND		8.85	3.10	ug/L		05/13/25 07:00	05/16/25 11:26	1
4-Nitrophenol	ND		8.85	2.42	ug/L		05/13/25 07:00	05/16/25 11:26	1
Acenaphthene	ND		8.85	0.558	ug/L		05/13/25 07:00	05/16/25 11:26	1
Acenaphthylene	ND		8.85	0.673	ug/L		05/13/25 07:00	05/16/25 11:26	1
Acetophenone	ND		8.85	2.83	ug/L		05/13/25 07:00	05/16/25 11:26	1
Anthracene	ND		8.85	0.805	ug/L		05/13/25 07:00	05/16/25 11:26	1
Atrazine	ND		8.85	1.00	ug/L		05/13/25 07:00	05/16/25 11:26	1
Benzaldehyde	ND		8.85	0.593	ug/L		05/13/25 07:00	05/16/25 11:26	1
Benzo[a]anthracene	ND		8.85	0.885	ug/L		05/13/25 07:00	05/16/25 11:26	1
Benzo[a]pyrene	ND		8.85	0.973	ug/L		05/13/25 07:00	05/16/25 11:26	1
Benzo[b]fluoranthene	ND		8.85	1.06	ug/L		05/13/25 07:00	05/16/25 11:26	1
Benzo[g,h,i]perylene	ND		8.85	1.33	ug/L		05/13/25 07:00	05/16/25 11:26	1
Benzo[k]fluoranthene	ND		8.85	1.33	ug/L		05/13/25 07:00	05/16/25 11:26	1
bis (2-chloroisopropyl) ether	ND		8.85	0.823	ug/L		05/13/25 07:00	05/16/25 11:26	1
Bis(2-chloroethoxy)methane	ND		8.85	0.301	ug/L		05/13/25 07:00	05/16/25 11:26	1
Bis(2-chloroethyl)ether	ND		8.85	0.646	ug/L		05/13/25 07:00	05/16/25 11:26	1
Bis(2-ethylhexyl) phthalate	ND		8.85	3.54	ug/L		05/13/25 07:00	05/16/25 11:26	1
Butyl benzyl phthalate	ND		8.85	3.54	ug/L		05/13/25 07:00	05/16/25 11:26	1
Caprolactam	ND		8.85	2.12	ug/L		05/13/25 07:00	05/16/25 11:26	1
Carbazole	ND		8.85	0.283	ug/L		05/13/25 07:00	05/16/25 11:26	1
Chrysene	ND *		8.85	1.06	ug/L		05/13/25 07:00	05/16/25 11:26	1
Dibenz(a,h)anthracene	ND		8.85	1.15	ug/L		05/13/25 07:00	05/16/25 11:26	1
Dibenzofuran	ND		8.85	0.566	ug/L		05/13/25 07:00	05/16/25 11:26	1
Diethyl phthalate	ND		8.85	3.54	ug/L		05/13/25 07:00	05/16/25 11:26	1
Dimethyl phthalate	ND		8.85	3.54	ug/L		05/13/25 07:00	05/16/25 11:26	1
Di-n-butyl phthalate	ND		8.85	3.54	ug/L		05/13/25 07:00	05/16/25 11:26	1
Di-n-octyl phthalate	ND		8.85	3.54	ug/L		05/13/25 07:00	05/16/25 11:26	1
Fluoranthene	ND		8.85	0.558	ug/L		05/13/25 07:00	05/16/25 11:26	1
Fluorene	ND		8.85	0.593	ug/L		05/13/25 07:00	05/16/25 11:26	1
Hexachlorobenzene	ND		8.85	0.221	ug/L		05/13/25 07:00	05/16/25 11:26	1
Hexachlorobutadiene	ND		8.85	0.487	ug/L		05/13/25 07:00	05/16/25 11:26	1
Hexachlorocyclopentadiene	ND		17.7	0.283	ug/L		05/13/25 07:00	05/16/25 11:26	1
Hexachloroethane	ND		8.85	0.469	ug/L		05/13/25 07:00	05/16/25 11:26	1
Indeno[1,2,3-cd]pyrene	ND		8.85	0.973	ug/L		05/13/25 07:00	05/16/25 11:26	1
Isophorone	ND		8.85	0.708	ug/L		05/13/25 07:00	05/16/25 11:26	1
Naphthalene	ND		8.85	0.664	ug/L		05/13/25 07:00	05/16/25 11:26	1
Nitrobenzene	ND		8.85	0.531	ug/L		05/13/25 07:00	05/16/25 11:26	1
N-Nitrosodi-n-propylamine	ND		8.85	0.292	ug/L		05/13/25 07:00	05/16/25 11:26	1

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Client Sample Results

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: MW-1

Lab Sample ID: 400-275450-1

Date Collected: 05/06/25 10:55

Matrix: Water

Date Received: 05/07/25 09:50

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		8.85	0.168	ug/L		05/13/25 07:00	05/16/25 11:26	1
Pentachlorophenol	ND		8.85	2.48	ug/L		05/13/25 07:00	05/16/25 11:26	1
Phenanthrene	ND		8.85	0.655	ug/L		05/13/25 07:00	05/16/25 11:26	1
Phenol	ND		8.85	0.602	ug/L		05/13/25 07:00	05/16/25 11:26	1
Pyrene	ND		8.85	0.558	ug/L		05/13/25 07:00	05/16/25 11:26	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	57		10 - 150				05/13/25 07:00	05/16/25 11:26	1
2-Fluorobiphenyl (Surr)	57		15 - 150				05/13/25 07:00	05/16/25 11:26	1
2-Fluorophenol (Surr)	58		10 - 150				05/13/25 07:00	05/16/25 11:26	1
Nitrobenzene-d5 (Surr)	62		50 - 150				05/13/25 07:00	05/16/25 11:26	1
Phenol-d5 (Surr)	56		10 - 150				05/13/25 07:00	05/16/25 11:26	1
Terphenyl-d14 (Surr)	38	S1-	43 - 147				05/13/25 07:00	05/16/25 11:26	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.0644	J	0.100	0.0630	mg/L			05/07/25 21:28	1
Sulfate	58.6		5.00	1.95	mg/L			05/09/25 04:34	5

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		05/12/25 05:33	05/12/25 13:48	1
Arsenic	1.43	J	3.00	0.860	ug/L		05/12/25 05:33	05/12/25 13:48	1
Barium	255		5.00	0.890	ug/L		05/12/25 05:33	05/12/25 13:48	1
Beryllium	ND		0.500	0.200	ug/L		05/12/25 05:33	05/12/25 13:48	1
Cadmium	ND		0.500	0.0780	ug/L		05/12/25 05:33	05/12/25 13:48	1
Chromium	ND		5.00	1.20	ug/L		05/12/25 05:33	05/12/25 13:48	1
Cobalt	3.27		0.500	0.220	ug/L		05/12/25 05:33	05/12/25 13:48	1
Copper	2.09	J	5.00	1.08	ug/L		05/12/25 05:33	05/12/25 13:48	1
Lead	0.410	J	2.50	0.210	ug/L		05/12/25 05:33	05/12/25 13:48	1
Manganese	723		5.00	2.20	ug/L		05/12/25 05:33	05/12/25 13:48	1
Nickel	4.23	J	5.00	0.420	ug/L		05/12/25 05:33	05/12/25 13:48	1
Selenium	1.25	J	2.50	0.990	ug/L		05/12/25 05:33	05/12/25 13:48	1
Silver	ND		1.00	0.390	ug/L		05/12/25 05:33	05/12/25 13:48	1
Thallium	ND		1.00	0.260	ug/L		05/12/25 05:33	05/12/25 13:48	1
Vanadium	4.48	J	10.0	0.630	ug/L		05/12/25 05:33	05/12/25 13:48	1
Zinc	ND		20.0	2.80	ug/L		05/12/25 05:33	05/12/25 13:48	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		05/12/25 12:55	05/12/25 17:55	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			05/14/25 12:15	1

Client Sample Results

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: MW-2

Lab Sample ID: 400-275450-2

Date Collected: 05/06/25 12:00

Matrix: Water

Date Received: 05/07/25 09:50

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			05/15/25 13:13	1
Benzene	ND		1.00	0.500	ug/L			05/15/25 13:13	1
Bromobenzene	ND		1.00	0.540	ug/L			05/15/25 13:13	1
Bromoform	ND		5.00	0.250	ug/L			05/15/25 13:13	1
Bromomethane	ND		1.00	0.980	ug/L			05/15/25 13:13	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			05/15/25 13:13	1
Carbon disulfide	ND		1.00	0.500	ug/L			05/15/25 13:13	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			05/15/25 13:13	1
Chlorobenzene	ND		1.00	0.420	ug/L			05/15/25 13:13	1
Chlorobromomethane	ND		1.00	0.520	ug/L			05/15/25 13:13	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			05/15/25 13:13	1
Chloroethane	ND		1.00	0.760	ug/L			05/15/25 13:13	1
Chloroform	ND		1.00	0.900	ug/L			05/15/25 13:13	1
Chloromethane	0.951	J	1.00	0.400	ug/L			05/15/25 13:13	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			05/15/25 13:13	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			05/15/25 13:13	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			05/15/25 13:13	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			05/15/25 13:13	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			05/15/25 13:13	1
Dibromomethane	ND		5.00	0.220	ug/L			05/15/25 13:13	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			05/15/25 13:13	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			05/15/25 13:13	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			05/15/25 13:13	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			05/15/25 13:13	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			05/15/25 13:13	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			05/15/25 13:13	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			05/15/25 13:13	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			05/15/25 13:13	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			05/15/25 13:13	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			05/15/25 13:13	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			05/15/25 13:13	1
Ethyl acetate	ND		10.0	6.14	ug/L			05/15/25 13:13	1
Ethylbenzene	ND		1.00	0.500	ug/L			05/15/25 13:13	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			05/15/25 13:13	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			05/15/25 13:13	1
Hexane	ND		1.00	0.960	ug/L			05/15/25 13:13	1
2-Hexanone	ND		25.0	4.26	ug/L			05/15/25 13:13	1
Iodomethane	ND		1.00	0.900	ug/L			05/15/25 13:13	1
Isopropylbenzene	ND		1.00	0.530	ug/L			05/15/25 13:13	1
Isopropyl ether	ND		1.00	0.740	ug/L			05/15/25 13:13	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			05/15/25 13:13	1
Methylene Chloride	ND		5.00	3.00	ug/L			05/15/25 13:13	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			05/15/25 13:13	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			05/15/25 13:13	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			05/15/25 13:13	1
Naphthalene	ND		5.00	3.00	ug/L			05/15/25 13:13	1
n-Butylbenzene	ND	*+	1.00	0.760	ug/L			05/15/25 13:13	1
n-Heptane	ND		1.00	0.210	ug/L			05/15/25 13:13	1
N-Propylbenzene	ND		1.00	0.690	ug/L			05/15/25 13:13	1

Eurofins Pensacola

Client Sample Results

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: MW-2

Lab Sample ID: 400-275450-2

Date Collected: 05/06/25 12:00

Matrix: Water

Date Received: 05/07/25 09:50

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			05/15/25 13:13	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			05/15/25 13:13	1
Styrene	ND		1.00	1.00	ug/L			05/15/25 13:13	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			05/15/25 13:13	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			05/15/25 13:13	1
1,1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			05/15/25 13:13	1
Tetrachloroethene	ND		1.00	0.330	ug/L			05/15/25 13:13	1
Toluene	ND		1.00	0.900	ug/L			05/15/25 13:13	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			05/15/25 13:13	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			05/15/25 13:13	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			05/15/25 13:13	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			05/15/25 13:13	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			05/15/25 13:13	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			05/15/25 13:13	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			05/15/25 13:13	1
Trichloroethene	ND		1.00	0.150	ug/L			05/15/25 13:13	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			05/15/25 13:13	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			05/15/25 13:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			05/15/25 13:13	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			05/15/25 13:13	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			05/15/25 13:13	1
Vinyl acetate	ND		25.0	0.930	ug/L			05/15/25 13:13	1
Vinyl chloride	ND		1.00	0.500	ug/L			05/15/25 13:13	1
Xylenes, Total	ND		10.0	6.00	ug/L			05/15/25 13:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	112		56 - 136		05/15/25 13:13	1
Dibromofluoromethane	92		79 - 130		05/15/25 13:13	1
1,2-Dichloroethane-d4 (Surr)	91		59 - 146		05/15/25 13:13	1
Toluene-d8 (Surr)	104		64 - 132		05/15/25 13:13	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		0.281	0.281	ug/L		05/13/25 07:00	05/16/25 16:02	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	25		10 - 140	05/13/25 07:00	05/16/25 16:02	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		8.88	0.373	ug/L		05/13/25 07:00	05/16/25 11:58	1
2,4,5-Trichlorophenol	ND		8.88	0.479	ug/L		05/13/25 07:00	05/16/25 11:58	1
2,4,6-Trichlorophenol	ND		8.88	0.967	ug/L		05/13/25 07:00	05/16/25 11:58	1
2,4-Dichlorophenol	ND		8.88	0.506	ug/L		05/13/25 07:00	05/16/25 11:58	1
2,4-Dimethylphenol	ND		8.88	0.213	ug/L		05/13/25 07:00	05/16/25 11:58	1
2,4-Dinitrophenol	ND		26.6	4.15	ug/L		05/13/25 07:00	05/16/25 11:58	1
2,4-Dinitrotoluene	ND		8.88	0.577	ug/L		05/13/25 07:00	05/16/25 11:58	1
2,6-Dinitrotoluene	ND		8.88	0.257	ug/L		05/13/25 07:00	05/16/25 11:58	1
2-Chloronaphthalene	ND		8.88	0.337	ug/L		05/13/25 07:00	05/16/25 11:58	1
2-Chlorophenol	ND		8.88	0.746	ug/L		05/13/25 07:00	05/16/25 11:58	1
2-Methylnaphthalene	ND		8.88	0.719	ug/L		05/13/25 07:00	05/16/25 11:58	1

Eurofins Pensacola

Client Sample Results

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: MW-2

Lab Sample ID: 400-275450-2

Date Collected: 05/06/25 12:00

Matrix: Water

Date Received: 05/07/25 09:50

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		8.88	0.675	ug/L		05/13/25 07:00	05/16/25 11:58	1
2-Nitroaniline	ND		8.88	1.22	ug/L		05/13/25 07:00	05/16/25 11:58	1
2-Nitrophenol	ND		8.88	1.04	ug/L		05/13/25 07:00	05/16/25 11:58	1
3 & 4 Methylphenol	ND		17.8	4.08	ug/L		05/13/25 07:00	05/16/25 11:58	1
3,3'-Dichlorobenzidine	ND		9.76	0.364	ug/L		05/13/25 07:00	05/16/25 11:58	1
3-Nitroaniline	ND		8.88	0.843	ug/L		05/13/25 07:00	05/16/25 11:58	1
4,6-Dinitro-2-methylphenol	ND		8.88	1.75	ug/L		05/13/25 07:00	05/16/25 11:58	1
4-Bromophenyl phenyl ether	ND		8.88	0.115	ug/L		05/13/25 07:00	05/16/25 11:58	1
4-Chloro-3-methylphenol	ND		8.88	0.648	ug/L		05/13/25 07:00	05/16/25 11:58	1
4-Chloroaniline	ND		8.88	0.249	ug/L		05/13/25 07:00	05/16/25 11:58	1
4-Chlorophenyl phenyl ether	ND		8.88	0.213	ug/L		05/13/25 07:00	05/16/25 11:58	1
4-Nitroaniline	ND		8.88	3.11	ug/L		05/13/25 07:00	05/16/25 11:58	1
4-Nitrophenol	ND		8.88	2.43	ug/L		05/13/25 07:00	05/16/25 11:58	1
Acenaphthene	ND		8.88	0.559	ug/L		05/13/25 07:00	05/16/25 11:58	1
Acenaphthylene	ND		8.88	0.675	ug/L		05/13/25 07:00	05/16/25 11:58	1
Acetophenone	ND		8.88	2.84	ug/L		05/13/25 07:00	05/16/25 11:58	1
Anthracene	ND		8.88	0.808	ug/L		05/13/25 07:00	05/16/25 11:58	1
Atrazine	ND		8.88	1.00	ug/L		05/13/25 07:00	05/16/25 11:58	1
Benzaldehyde	ND		8.88	0.595	ug/L		05/13/25 07:00	05/16/25 11:58	1
Benzo[a]anthracene	ND		8.88	0.888	ug/L		05/13/25 07:00	05/16/25 11:58	1
Benzo[a]pyrene	ND		8.88	0.976	ug/L		05/13/25 07:00	05/16/25 11:58	1
Benzo[b]fluoranthene	ND		8.88	1.07	ug/L		05/13/25 07:00	05/16/25 11:58	1
Benzo[g,h,i]perylene	ND		8.88	1.33	ug/L		05/13/25 07:00	05/16/25 11:58	1
Benzo[k]fluoranthene	ND		8.88	1.33	ug/L		05/13/25 07:00	05/16/25 11:58	1
bis (2-chloroisopropyl) ether	ND		8.88	0.825	ug/L		05/13/25 07:00	05/16/25 11:58	1
Bis(2-chloroethoxy)methane	ND		8.88	0.302	ug/L		05/13/25 07:00	05/16/25 11:58	1
Bis(2-chloroethyl)ether	ND		8.88	0.648	ug/L		05/13/25 07:00	05/16/25 11:58	1
Bis(2-ethylhexyl) phthalate	ND		8.88	3.55	ug/L		05/13/25 07:00	05/16/25 11:58	1
Butyl benzyl phthalate	ND		8.88	3.55	ug/L		05/13/25 07:00	05/16/25 11:58	1
Caprolactam	ND		8.88	2.13	ug/L		05/13/25 07:00	05/16/25 11:58	1
Carbazole	ND		8.88	0.284	ug/L		05/13/25 07:00	05/16/25 11:58	1
Chrysene	ND	*	8.88	1.07	ug/L		05/13/25 07:00	05/16/25 11:58	1
Dibenz(a,h)anthracene	ND		8.88	1.15	ug/L		05/13/25 07:00	05/16/25 11:58	1
Dibenzofuran	ND		8.88	0.568	ug/L		05/13/25 07:00	05/16/25 11:58	1
Diethyl phthalate	ND		8.88	3.55	ug/L		05/13/25 07:00	05/16/25 11:58	1
Dimethyl phthalate	ND		8.88	3.55	ug/L		05/13/25 07:00	05/16/25 11:58	1
Di-n-butyl phthalate	ND		8.88	3.55	ug/L		05/13/25 07:00	05/16/25 11:58	1
Di-n-octyl phthalate	ND		8.88	3.55	ug/L		05/13/25 07:00	05/16/25 11:58	1
Fluoranthene	ND		8.88	0.559	ug/L		05/13/25 07:00	05/16/25 11:58	1
Fluorene	ND		8.88	0.595	ug/L		05/13/25 07:00	05/16/25 11:58	1
Hexachlorobenzene	ND		8.88	0.222	ug/L		05/13/25 07:00	05/16/25 11:58	1
Hexachlorobutadiene	ND		8.88	0.488	ug/L		05/13/25 07:00	05/16/25 11:58	1
Hexachlorocyclopentadiene	ND		17.8	0.284	ug/L		05/13/25 07:00	05/16/25 11:58	1
Hexachloroethane	ND		8.88	0.470	ug/L		05/13/25 07:00	05/16/25 11:58	1
Indeno[1,2,3-cd]pyrene	ND		8.88	0.976	ug/L		05/13/25 07:00	05/16/25 11:58	1
Isophorone	ND		8.88	0.710	ug/L		05/13/25 07:00	05/16/25 11:58	1
Naphthalene	ND		8.88	0.666	ug/L		05/13/25 07:00	05/16/25 11:58	1
Nitrobenzene	ND		8.88	0.533	ug/L		05/13/25 07:00	05/16/25 11:58	1
N-Nitrosodi-n-propylamine	ND		8.88	0.293	ug/L		05/13/25 07:00	05/16/25 11:58	1

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Client Sample Results

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: MW-2

Lab Sample ID: 400-275450-2

Date Collected: 05/06/25 12:00

Matrix: Water

Date Received: 05/07/25 09:50

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		8.88	0.169	ug/L		05/13/25 07:00	05/16/25 11:58	1
Pentachlorophenol	ND		8.88	2.49	ug/L		05/13/25 07:00	05/16/25 11:58	1
Phenanthrene	ND		8.88	0.657	ug/L		05/13/25 07:00	05/16/25 11:58	1
Phenol	ND		8.88	0.604	ug/L		05/13/25 07:00	05/16/25 11:58	1
Pyrene	ND		8.88	0.559	ug/L		05/13/25 07:00	05/16/25 11:58	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	54		10 - 150				05/13/25 07:00	05/16/25 11:58	1
2-Fluorobiphenyl (Surr)	53		15 - 150				05/13/25 07:00	05/16/25 11:58	1
2-Fluorophenol (Surr)	66		10 - 150				05/13/25 07:00	05/16/25 11:58	1
Nitrobenzene-d5 (Surr)	63		50 - 150				05/13/25 07:00	05/16/25 11:58	1
Phenol-d5 (Surr)	70		10 - 150				05/13/25 07:00	05/16/25 11:58	1
Terphenyl-d14 (Surr)	36	S1-	43 - 147				05/13/25 07:00	05/16/25 11:58	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			05/07/25 21:36	1
Sulfate	17.3		1.00	0.390	mg/L			05/07/25 21:36	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		05/12/25 05:33	05/12/25 13:35	1
Arsenic	ND		3.00	0.860	ug/L		05/12/25 05:33	05/12/25 13:35	1
Barium	575		5.00	0.890	ug/L		05/12/25 05:33	05/12/25 13:35	1
Beryllium	ND		0.500	0.200	ug/L		05/12/25 05:33	05/12/25 13:35	1
Cadmium	0.100	J	0.500	0.0780	ug/L		05/12/25 05:33	05/12/25 13:35	1
Chromium	ND		5.00	1.20	ug/L		05/12/25 05:33	05/12/25 13:35	1
Cobalt	ND		0.500	0.220	ug/L		05/12/25 05:33	05/12/25 13:35	1
Copper	ND		5.00	1.08	ug/L		05/12/25 05:33	05/12/25 13:35	1
Lead	ND		2.50	0.210	ug/L		05/12/25 05:33	05/12/25 13:35	1
Manganese	53.4		5.00	2.20	ug/L		05/12/25 05:33	05/12/25 13:35	1
Nickel	0.970	J	5.00	0.420	ug/L		05/12/25 05:33	05/12/25 13:35	1
Selenium	ND		2.50	0.990	ug/L		05/12/25 05:33	05/12/25 13:35	1
Silver	ND		1.00	0.390	ug/L		05/12/25 05:33	05/12/25 13:35	1
Thallium	ND		1.00	0.260	ug/L		05/12/25 05:33	05/12/25 13:35	1
Vanadium	0.955	J	10.0	0.630	ug/L		05/12/25 05:33	05/12/25 13:35	1
Zinc	3.46	J	20.0	2.80	ug/L		05/12/25 05:33	05/12/25 13:35	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		05/09/25 12:59	05/09/25 17:41	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			05/14/25 12:31	1

Client Sample Results

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: MW-3

Lab Sample ID: 400-275450-3

Date Collected: 05/06/25 13:15

Matrix: Water

Date Received: 05/07/25 09:50

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			05/15/25 13:37	1
Benzene	0.510	J	1.00	0.500	ug/L			05/15/25 13:37	1
Bromobenzene	ND		1.00	0.540	ug/L			05/15/25 13:37	1
Bromoform	ND		5.00	0.250	ug/L			05/15/25 13:37	1
Bromomethane	ND		1.00	0.980	ug/L			05/15/25 13:37	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			05/15/25 13:37	1
Carbon disulfide	ND		1.00	0.500	ug/L			05/15/25 13:37	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			05/15/25 13:37	1
Chlorobenzene	ND		1.00	0.420	ug/L			05/15/25 13:37	1
Chlorobromomethane	ND		1.00	0.520	ug/L			05/15/25 13:37	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			05/15/25 13:37	1
Chloroethane	ND		1.00	0.760	ug/L			05/15/25 13:37	1
Chloroform	ND		1.00	0.900	ug/L			05/15/25 13:37	1
Chloromethane	0.828	J	1.00	0.400	ug/L			05/15/25 13:37	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			05/15/25 13:37	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			05/15/25 13:37	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			05/15/25 13:37	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			05/15/25 13:37	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			05/15/25 13:37	1
Dibromomethane	ND		5.00	0.220	ug/L			05/15/25 13:37	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			05/15/25 13:37	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			05/15/25 13:37	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			05/15/25 13:37	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			05/15/25 13:37	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			05/15/25 13:37	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			05/15/25 13:37	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			05/15/25 13:37	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			05/15/25 13:37	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			05/15/25 13:37	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			05/15/25 13:37	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			05/15/25 13:37	1
Ethyl acetate	ND		10.0	6.14	ug/L			05/15/25 13:37	1
Ethylbenzene	ND		1.00	0.500	ug/L			05/15/25 13:37	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			05/15/25 13:37	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			05/15/25 13:37	1
Hexane	ND		1.00	0.960	ug/L			05/15/25 13:37	1
2-Hexanone	ND		25.0	4.26	ug/L			05/15/25 13:37	1
Iodomethane	ND		1.00	0.900	ug/L			05/15/25 13:37	1
Isopropylbenzene	ND		1.00	0.530	ug/L			05/15/25 13:37	1
Isopropyl ether	ND		1.00	0.740	ug/L			05/15/25 13:37	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			05/15/25 13:37	1
Methylene Chloride	ND		5.00	3.00	ug/L			05/15/25 13:37	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			05/15/25 13:37	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			05/15/25 13:37	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			05/15/25 13:37	1
Naphthalene	ND		5.00	3.00	ug/L			05/15/25 13:37	1
n-Butylbenzene	ND	*+	1.00	0.760	ug/L			05/15/25 13:37	1
n-Heptane	ND		1.00	0.210	ug/L			05/15/25 13:37	1
N-Propylbenzene	ND		1.00	0.690	ug/L			05/15/25 13:37	1

Eurofins Pensacola

Client Sample Results

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: MW-3

Lab Sample ID: 400-275450-3

Date Collected: 05/06/25 13:15

Matrix: Water

Date Received: 05/07/25 09:50

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			05/15/25 13:37	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			05/15/25 13:37	1
Styrene	ND		1.00	1.00	ug/L			05/15/25 13:37	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			05/15/25 13:37	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			05/15/25 13:37	1
1,1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			05/15/25 13:37	1
Tetrachloroethene	ND		1.00	0.330	ug/L			05/15/25 13:37	1
Toluene	ND		1.00	0.900	ug/L			05/15/25 13:37	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			05/15/25 13:37	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			05/15/25 13:37	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			05/15/25 13:37	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			05/15/25 13:37	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			05/15/25 13:37	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			05/15/25 13:37	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			05/15/25 13:37	1
Trichloroethene	ND		1.00	0.150	ug/L			05/15/25 13:37	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			05/15/25 13:37	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			05/15/25 13:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			05/15/25 13:37	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			05/15/25 13:37	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			05/15/25 13:37	1
Vinyl acetate	ND		25.0	0.930	ug/L			05/15/25 13:37	1
Vinyl chloride	ND		1.00	0.500	ug/L			05/15/25 13:37	1
Xylenes, Total	ND		10.0	6.00	ug/L			05/15/25 13:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	110		56 - 136		05/15/25 13:37	1
Dibromofluoromethane	92		79 - 130		05/15/25 13:37	1
1,2-Dichloroethane-d4 (Surr)	89		59 - 146		05/15/25 13:37	1
Toluene-d8 (Surr)	101		64 - 132		05/15/25 13:37	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		05/13/25 07:00	05/16/25 16:24	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	26		10 - 140	05/13/25 07:00	05/16/25 16:24	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		8.85	0.372	ug/L		05/13/25 07:00	05/16/25 12:29	1
2,4,5-Trichlorophenol	ND		8.85	0.478	ug/L		05/13/25 07:00	05/16/25 12:29	1
2,4,6-Trichlorophenol	ND		8.85	0.965	ug/L		05/13/25 07:00	05/16/25 12:29	1
2,4-Dichlorophenol	ND		8.85	0.504	ug/L		05/13/25 07:00	05/16/25 12:29	1
2,4-Dimethylphenol	ND		8.85	0.212	ug/L		05/13/25 07:00	05/16/25 12:29	1
2,4-Dinitrophenol	ND		26.5	4.14	ug/L		05/13/25 07:00	05/16/25 12:29	1
2,4-Dinitrotoluene	ND		8.85	0.575	ug/L		05/13/25 07:00	05/16/25 12:29	1
2,6-Dinitrotoluene	ND		8.85	0.257	ug/L		05/13/25 07:00	05/16/25 12:29	1
2-Chloronaphthalene	ND		8.85	0.336	ug/L		05/13/25 07:00	05/16/25 12:29	1
2-Chlorophenol	ND		8.85	0.743	ug/L		05/13/25 07:00	05/16/25 12:29	1
2-Methylnaphthalene	ND		8.85	0.717	ug/L		05/13/25 07:00	05/16/25 12:29	1

Eurofins Pensacola

Client Sample Results

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: MW-3

Lab Sample ID: 400-275450-3

Date Collected: 05/06/25 13:15

Matrix: Water

Date Received: 05/07/25 09:50

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		8.85	0.673	ug/L		05/13/25 07:00	05/16/25 12:29	1
2-Nitroaniline	ND		8.85	1.21	ug/L		05/13/25 07:00	05/16/25 12:29	1
2-Nitrophenol	ND		8.85	1.04	ug/L		05/13/25 07:00	05/16/25 12:29	1
3 & 4 Methylphenol	ND		17.7	4.07	ug/L		05/13/25 07:00	05/16/25 12:29	1
3,3'-Dichlorobenzidine	ND		9.73	0.363	ug/L		05/13/25 07:00	05/16/25 12:29	1
3-Nitroaniline	ND		8.85	0.841	ug/L		05/13/25 07:00	05/16/25 12:29	1
4,6-Dinitro-2-methylphenol	ND		8.85	1.74	ug/L		05/13/25 07:00	05/16/25 12:29	1
4-Bromophenyl phenyl ether	ND		8.85	0.115	ug/L		05/13/25 07:00	05/16/25 12:29	1
4-Chloro-3-methylphenol	ND		8.85	0.646	ug/L		05/13/25 07:00	05/16/25 12:29	1
4-Chloroaniline	ND		8.85	0.248	ug/L		05/13/25 07:00	05/16/25 12:29	1
4-Chlorophenyl phenyl ether	ND		8.85	0.212	ug/L		05/13/25 07:00	05/16/25 12:29	1
4-Nitroaniline	ND		8.85	3.10	ug/L		05/13/25 07:00	05/16/25 12:29	1
4-Nitrophenol	ND		8.85	2.42	ug/L		05/13/25 07:00	05/16/25 12:29	1
Acenaphthene	ND		8.85	0.558	ug/L		05/13/25 07:00	05/16/25 12:29	1
Acenaphthylene	ND		8.85	0.673	ug/L		05/13/25 07:00	05/16/25 12:29	1
Acetophenone	ND		8.85	2.83	ug/L		05/13/25 07:00	05/16/25 12:29	1
Anthracene	ND		8.85	0.805	ug/L		05/13/25 07:00	05/16/25 12:29	1
Atrazine	ND		8.85	1.00	ug/L		05/13/25 07:00	05/16/25 12:29	1
Benzaldehyde	ND		8.85	0.593	ug/L		05/13/25 07:00	05/16/25 12:29	1
Benzo[a]anthracene	ND		8.85	0.885	ug/L		05/13/25 07:00	05/16/25 12:29	1
Benzo[a]pyrene	ND		8.85	0.973	ug/L		05/13/25 07:00	05/16/25 12:29	1
Benzo[b]fluoranthene	ND		8.85	1.06	ug/L		05/13/25 07:00	05/16/25 12:29	1
Benzo[g,h,i]perylene	ND		8.85	1.33	ug/L		05/13/25 07:00	05/16/25 12:29	1
Benzo[k]fluoranthene	ND		8.85	1.33	ug/L		05/13/25 07:00	05/16/25 12:29	1
bis (2-chloroisopropyl) ether	ND		8.85	0.823	ug/L		05/13/25 07:00	05/16/25 12:29	1
Bis(2-chloroethoxy)methane	ND		8.85	0.301	ug/L		05/13/25 07:00	05/16/25 12:29	1
Bis(2-chloroethyl)ether	ND		8.85	0.646	ug/L		05/13/25 07:00	05/16/25 12:29	1
Bis(2-ethylhexyl) phthalate	ND		8.85	3.54	ug/L		05/13/25 07:00	05/16/25 12:29	1
Butyl benzyl phthalate	ND		8.85	3.54	ug/L		05/13/25 07:00	05/16/25 12:29	1
Caprolactam	ND		8.85	2.12	ug/L		05/13/25 07:00	05/16/25 12:29	1
Carbazole	ND		8.85	0.283	ug/L		05/13/25 07:00	05/16/25 12:29	1
Chrysene	ND	*	8.85	1.06	ug/L		05/13/25 07:00	05/16/25 12:29	1
Dibenz(a,h)anthracene	ND		8.85	1.15	ug/L		05/13/25 07:00	05/16/25 12:29	1
Dibenzofuran	ND		8.85	0.566	ug/L		05/13/25 07:00	05/16/25 12:29	1
Diethyl phthalate	ND		8.85	3.54	ug/L		05/13/25 07:00	05/16/25 12:29	1
Dimethyl phthalate	ND		8.85	3.54	ug/L		05/13/25 07:00	05/16/25 12:29	1
Di-n-butyl phthalate	ND		8.85	3.54	ug/L		05/13/25 07:00	05/16/25 12:29	1
Di-n-octyl phthalate	ND		8.85	3.54	ug/L		05/13/25 07:00	05/16/25 12:29	1
Fluoranthene	ND		8.85	0.558	ug/L		05/13/25 07:00	05/16/25 12:29	1
Fluorene	ND		8.85	0.593	ug/L		05/13/25 07:00	05/16/25 12:29	1
Hexachlorobenzene	ND		8.85	0.221	ug/L		05/13/25 07:00	05/16/25 12:29	1
Hexachlorobutadiene	ND		8.85	0.487	ug/L		05/13/25 07:00	05/16/25 12:29	1
Hexachlorocyclopentadiene	ND		17.7	0.283	ug/L		05/13/25 07:00	05/16/25 12:29	1
Hexachloroethane	ND		8.85	0.469	ug/L		05/13/25 07:00	05/16/25 12:29	1
Indeno[1,2,3-cd]pyrene	ND		8.85	0.973	ug/L		05/13/25 07:00	05/16/25 12:29	1
Isophorone	ND		8.85	0.708	ug/L		05/13/25 07:00	05/16/25 12:29	1
Naphthalene	ND		8.85	0.664	ug/L		05/13/25 07:00	05/16/25 12:29	1
Nitrobenzene	ND		8.85	0.531	ug/L		05/13/25 07:00	05/16/25 12:29	1
N-Nitrosodi-n-propylamine	ND		8.85	0.292	ug/L		05/13/25 07:00	05/16/25 12:29	1

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Client Sample Results

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: MW-3

Lab Sample ID: 400-275450-3

Date Collected: 05/06/25 13:15

Matrix: Water

Date Received: 05/07/25 09:50

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		8.85	0.168	ug/L		05/13/25 07:00	05/16/25 12:29	1
Pentachlorophenol	ND		8.85	2.48	ug/L		05/13/25 07:00	05/16/25 12:29	1
Phenanthrene	ND		8.85	0.655	ug/L		05/13/25 07:00	05/16/25 12:29	1
Phenol	ND		8.85	0.602	ug/L		05/13/25 07:00	05/16/25 12:29	1
Pyrene	ND		8.85	0.558	ug/L		05/13/25 07:00	05/16/25 12:29	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	56		10 - 150				05/13/25 07:00	05/16/25 12:29	1
2-Fluorobiphenyl (Surr)	52		15 - 150				05/13/25 07:00	05/16/25 12:29	1
2-Fluorophenol (Surr)	67		10 - 150				05/13/25 07:00	05/16/25 12:29	1
Nitrobenzene-d5 (Surr)	62		50 - 150				05/13/25 07:00	05/16/25 12:29	1
Phenol-d5 (Surr)	72		10 - 150				05/13/25 07:00	05/16/25 12:29	1
Terphenyl-d14 (Surr)	34	S1-	43 - 147				05/13/25 07:00	05/16/25 12:29	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			05/07/25 21:45	1
Sulfate	22.2		1.00	0.390	mg/L			05/07/25 21:45	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		05/12/25 05:33	05/12/25 14:22	1
Arsenic	8.15		3.00	0.860	ug/L		05/12/25 05:33	05/12/25 14:22	1
Barium	433		5.00	0.890	ug/L		05/12/25 05:33	05/12/25 14:22	1
Beryllium	ND		0.500	0.200	ug/L		05/12/25 05:33	05/12/25 14:22	1
Cadmium	ND		0.500	0.0780	ug/L		05/12/25 05:33	05/12/25 14:22	1
Chromium	ND		5.00	1.20	ug/L		05/12/25 05:33	05/12/25 14:22	1
Cobalt	0.890		0.500	0.220	ug/L		05/12/25 05:33	05/12/25 14:22	1
Copper	ND		5.00	1.08	ug/L		05/12/25 05:33	05/12/25 14:22	1
Lead	ND		2.50	0.210	ug/L		05/12/25 05:33	05/12/25 14:22	1
Manganese	151		5.00	2.20	ug/L		05/12/25 05:33	05/12/25 14:22	1
Nickel	2.92	J	5.00	0.420	ug/L		05/12/25 05:33	05/12/25 14:22	1
Selenium	1.00	J	2.50	0.990	ug/L		05/12/25 05:33	05/12/25 14:22	1
Silver	ND		1.00	0.390	ug/L		05/12/25 05:33	05/12/25 14:22	1
Thallium	ND		1.00	0.260	ug/L		05/12/25 05:33	05/12/25 14:22	1
Vanadium	1.78	J	10.0	0.630	ug/L		05/12/25 05:33	05/12/25 14:22	1
Zinc	5.91	J	20.0	2.80	ug/L		05/12/25 05:33	05/12/25 14:22	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		05/09/25 12:59	05/09/25 17:36	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			05/14/25 12:33	1

Client Sample Results

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: MW-4

Lab Sample ID: 400-275450-4

Date Collected: 05/06/25 14:35

Matrix: Water

Date Received: 05/07/25 09:50

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			05/15/25 17:17	1
Benzene	0.549	J	1.00	0.500	ug/L			05/15/25 17:17	1
Bromobenzene	ND		1.00	0.540	ug/L			05/15/25 17:17	1
Bromoform	ND		5.00	0.250	ug/L			05/15/25 17:17	1
Bromomethane	ND		1.00	0.980	ug/L			05/15/25 17:17	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			05/15/25 17:17	1
Carbon disulfide	ND		1.00	0.500	ug/L			05/15/25 17:17	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			05/15/25 17:17	1
Chlorobenzene	ND		1.00	0.420	ug/L			05/15/25 17:17	1
Chlorobromomethane	ND		1.00	0.520	ug/L			05/15/25 17:17	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			05/15/25 17:17	1
Chloroethane	ND		1.00	0.760	ug/L			05/15/25 17:17	1
Chloroform	ND		1.00	0.900	ug/L			05/15/25 17:17	1
Chloromethane	1.07		1.00	0.400	ug/L			05/15/25 17:17	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			05/15/25 17:17	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			05/15/25 17:17	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			05/15/25 17:17	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			05/15/25 17:17	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			05/15/25 17:17	1
Dibromomethane	ND		5.00	0.220	ug/L			05/15/25 17:17	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			05/15/25 17:17	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			05/15/25 17:17	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			05/15/25 17:17	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			05/15/25 17:17	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			05/15/25 17:17	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			05/15/25 17:17	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			05/15/25 17:17	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			05/15/25 17:17	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			05/15/25 17:17	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			05/15/25 17:17	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			05/15/25 17:17	1
Ethyl acetate	ND		10.0	6.14	ug/L			05/15/25 17:17	1
Ethylbenzene	ND		1.00	0.500	ug/L			05/15/25 17:17	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			05/15/25 17:17	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			05/15/25 17:17	1
Hexane	ND		1.00	0.960	ug/L			05/15/25 17:17	1
2-Hexanone	ND		25.0	4.26	ug/L			05/15/25 17:17	1
Iodomethane	ND		1.00	0.900	ug/L			05/15/25 17:17	1
Isopropylbenzene	ND		1.00	0.530	ug/L			05/15/25 17:17	1
Isopropyl ether	ND		1.00	0.740	ug/L			05/15/25 17:17	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			05/15/25 17:17	1
Methylene Chloride	ND		5.00	3.00	ug/L			05/15/25 17:17	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			05/15/25 17:17	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			05/15/25 17:17	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			05/15/25 17:17	1
Naphthalene	ND		5.00	3.00	ug/L			05/15/25 17:17	1
n-Butylbenzene	ND	*+	1.00	0.760	ug/L			05/15/25 17:17	1
n-Heptane	ND		1.00	0.210	ug/L			05/15/25 17:17	1
N-Propylbenzene	ND		1.00	0.690	ug/L			05/15/25 17:17	1

Eurofins Pensacola

Client Sample Results

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: MW-4

Lab Sample ID: 400-275450-4

Date Collected: 05/06/25 14:35

Matrix: Water

Date Received: 05/07/25 09:50

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			05/15/25 17:17	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			05/15/25 17:17	1
Styrene	ND		1.00	1.00	ug/L			05/15/25 17:17	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			05/15/25 17:17	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			05/15/25 17:17	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			05/15/25 17:17	1
Tetrachloroethene	ND		1.00	0.330	ug/L			05/15/25 17:17	1
Toluene	ND		1.00	0.900	ug/L			05/15/25 17:17	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			05/15/25 17:17	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			05/15/25 17:17	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			05/15/25 17:17	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			05/15/25 17:17	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			05/15/25 17:17	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			05/15/25 17:17	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			05/15/25 17:17	1
Trichloroethene	ND		1.00	0.150	ug/L			05/15/25 17:17	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			05/15/25 17:17	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			05/15/25 17:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			05/15/25 17:17	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			05/15/25 17:17	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			05/15/25 17:17	1
Vinyl acetate	ND		25.0	0.930	ug/L			05/15/25 17:17	1
Vinyl chloride	ND		1.00	0.500	ug/L			05/15/25 17:17	1
Xylenes, Total	ND		10.0	6.00	ug/L			05/15/25 17:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	110		56 - 136		05/15/25 17:17	1
Dibromofluoromethane	92		79 - 130		05/15/25 17:17	1
1,2-Dichloroethane-d4 (Surr)	89		59 - 146		05/15/25 17:17	1
Toluene-d8 (Surr)	102		64 - 132		05/15/25 17:17	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		0.283	0.283	ug/L		05/13/25 07:00	05/16/25 16:46	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	25		10 - 140	05/13/25 07:00	05/16/25 16:46	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		8.75	0.367	ug/L		05/13/25 07:00	05/16/25 13:01	1
2,4,5-Trichlorophenol	ND		8.75	0.472	ug/L		05/13/25 07:00	05/16/25 13:01	1
2,4,6-Trichlorophenol	ND		8.75	0.953	ug/L		05/13/25 07:00	05/16/25 13:01	1
2,4-Dichlorophenol	ND		8.75	0.499	ug/L		05/13/25 07:00	05/16/25 13:01	1
2,4-Dimethylphenol	ND		8.75	0.210	ug/L		05/13/25 07:00	05/16/25 13:01	1
2,4-Dinitrophenol	ND		26.2	4.09	ug/L		05/13/25 07:00	05/16/25 13:01	1
2,4-Dinitrotoluene	ND		8.75	0.569	ug/L		05/13/25 07:00	05/16/25 13:01	1
2,6-Dinitrotoluene	ND		8.75	0.254	ug/L		05/13/25 07:00	05/16/25 13:01	1
2-Chloronaphthalene	ND		8.75	0.332	ug/L		05/13/25 07:00	05/16/25 13:01	1
2-Chlorophenol	ND		8.75	0.735	ug/L		05/13/25 07:00	05/16/25 13:01	1
2-Methylnaphthalene	ND		8.75	0.708	ug/L		05/13/25 07:00	05/16/25 13:01	1

Eurofins Pensacola

Client Sample Results

Client: S&ME Inc
 Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: MW-4

Lab Sample ID: 400-275450-4

Date Collected: 05/06/25 14:35

Matrix: Water

Date Received: 05/07/25 09:50

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		8.75	0.665	ug/L		05/13/25 07:00	05/16/25 13:01	1
2-Nitroaniline	ND		8.75	1.20	ug/L		05/13/25 07:00	05/16/25 13:01	1
2-Nitrophenol	ND		8.75	1.02	ug/L		05/13/25 07:00	05/16/25 13:01	1
3 & 4 Methylphenol	ND		17.5	4.02	ug/L		05/13/25 07:00	05/16/25 13:01	1
3,3'-Dichlorobenzidine	ND		9.62	0.359	ug/L		05/13/25 07:00	05/16/25 13:01	1
3-Nitroaniline	ND		8.75	0.831	ug/L		05/13/25 07:00	05/16/25 13:01	1
4,6-Dinitro-2-methylphenol	ND		8.75	1.72	ug/L		05/13/25 07:00	05/16/25 13:01	1
4-Bromophenyl phenyl ether	ND		8.75	0.114	ug/L		05/13/25 07:00	05/16/25 13:01	1
4-Chloro-3-methylphenol	ND		8.75	0.638	ug/L		05/13/25 07:00	05/16/25 13:01	1
4-Chloroaniline	ND		8.75	0.245	ug/L		05/13/25 07:00	05/16/25 13:01	1
4-Chlorophenyl phenyl ether	ND		8.75	0.210	ug/L		05/13/25 07:00	05/16/25 13:01	1
4-Nitroaniline	ND		8.75	3.06	ug/L		05/13/25 07:00	05/16/25 13:01	1
4-Nitrophenol	ND		8.75	2.40	ug/L		05/13/25 07:00	05/16/25 13:01	1
Acenaphthene	ND		8.75	0.551	ug/L		05/13/25 07:00	05/16/25 13:01	1
Acenaphthylene	ND		8.75	0.665	ug/L		05/13/25 07:00	05/16/25 13:01	1
Acetophenone	ND		8.75	2.80	ug/L		05/13/25 07:00	05/16/25 13:01	1
Anthracene	ND		8.75	0.796	ug/L		05/13/25 07:00	05/16/25 13:01	1
Atrazine	ND		8.75	0.988	ug/L		05/13/25 07:00	05/16/25 13:01	1
Benzaldehyde	ND		8.75	0.586	ug/L		05/13/25 07:00	05/16/25 13:01	1
Benzo[a]anthracene	ND		8.75	0.875	ug/L		05/13/25 07:00	05/16/25 13:01	1
Benzo[a]pyrene	ND		8.75	0.962	ug/L		05/13/25 07:00	05/16/25 13:01	1
Benzo[b]fluoranthene	ND		8.75	1.05	ug/L		05/13/25 07:00	05/16/25 13:01	1
Benzo[g,h,i]perylene	ND		8.75	1.31	ug/L		05/13/25 07:00	05/16/25 13:01	1
Benzo[k]fluoranthene	ND		8.75	1.31	ug/L		05/13/25 07:00	05/16/25 13:01	1
bis (2-chloroisopropyl) ether	ND		8.75	0.813	ug/L		05/13/25 07:00	05/16/25 13:01	1
Bis(2-chloroethoxy)methane	ND		8.75	0.297	ug/L		05/13/25 07:00	05/16/25 13:01	1
Bis(2-chloroethyl)ether	ND		8.75	0.638	ug/L		05/13/25 07:00	05/16/25 13:01	1
Bis(2-ethylhexyl) phthalate	ND		8.75	3.50	ug/L		05/13/25 07:00	05/16/25 13:01	1
Butyl benzyl phthalate	ND		8.75	3.50	ug/L		05/13/25 07:00	05/16/25 13:01	1
Caprolactam	ND		8.75	2.10	ug/L		05/13/25 07:00	05/16/25 13:01	1
Carbazole	ND		8.75	0.280	ug/L		05/13/25 07:00	05/16/25 13:01	1
Chrysene	ND	*	8.75	1.05	ug/L		05/13/25 07:00	05/16/25 13:01	1
Dibenz(a,h)anthracene	ND		8.75	1.14	ug/L		05/13/25 07:00	05/16/25 13:01	1
Dibenzofuran	ND		8.75	0.560	ug/L		05/13/25 07:00	05/16/25 13:01	1
Diethyl phthalate	ND		8.75	3.50	ug/L		05/13/25 07:00	05/16/25 13:01	1
Dimethyl phthalate	ND		8.75	3.50	ug/L		05/13/25 07:00	05/16/25 13:01	1
Di-n-butyl phthalate	ND		8.75	3.50	ug/L		05/13/25 07:00	05/16/25 13:01	1
Di-n-octyl phthalate	ND		8.75	3.50	ug/L		05/13/25 07:00	05/16/25 13:01	1
Fluoranthene	ND		8.75	0.551	ug/L		05/13/25 07:00	05/16/25 13:01	1
Fluorene	ND		8.75	0.586	ug/L		05/13/25 07:00	05/16/25 13:01	1
Hexachlorobenzene	ND		8.75	0.219	ug/L		05/13/25 07:00	05/16/25 13:01	1
Hexachlorobutadiene	ND		8.75	0.481	ug/L		05/13/25 07:00	05/16/25 13:01	1
Hexachlorocyclopentadiene	ND		17.5	0.280	ug/L		05/13/25 07:00	05/16/25 13:01	1
Hexachloroethane	ND		8.75	0.464	ug/L		05/13/25 07:00	05/16/25 13:01	1
Indeno[1,2,3-cd]pyrene	ND		8.75	0.962	ug/L		05/13/25 07:00	05/16/25 13:01	1
Isophorone	ND		8.75	0.700	ug/L		05/13/25 07:00	05/16/25 13:01	1
Naphthalene	ND		8.75	0.656	ug/L		05/13/25 07:00	05/16/25 13:01	1
Nitrobenzene	ND		8.75	0.525	ug/L		05/13/25 07:00	05/16/25 13:01	1
N-Nitrosodi-n-propylamine	ND		8.75	0.289	ug/L		05/13/25 07:00	05/16/25 13:01	1

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Client Sample Results

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: MW-4

Lab Sample ID: 400-275450-4

Date Collected: 05/06/25 14:35

Matrix: Water

Date Received: 05/07/25 09:50

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		8.75	0.166	ug/L		05/13/25 07:00	05/16/25 13:01	1
Pentachlorophenol	ND		8.75	2.45	ug/L		05/13/25 07:00	05/16/25 13:01	1
Phenanthrene	ND		8.75	0.647	ug/L		05/13/25 07:00	05/16/25 13:01	1
Phenol	ND		8.75	0.595	ug/L		05/13/25 07:00	05/16/25 13:01	1
Pyrene	ND		8.75	0.551	ug/L		05/13/25 07:00	05/16/25 13:01	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	57		10 - 150				05/13/25 07:00	05/16/25 13:01	1
2-Fluorobiphenyl (Surr)	52		15 - 150				05/13/25 07:00	05/16/25 13:01	1
2-Fluorophenol (Surr)	64		10 - 150				05/13/25 07:00	05/16/25 13:01	1
Nitrobenzene-d5 (Surr)	63		50 - 150				05/13/25 07:00	05/16/25 13:01	1
Phenol-d5 (Surr)	66		10 - 150				05/13/25 07:00	05/16/25 13:01	1
Terphenyl-d14 (Surr)	32	S1-	43 - 147				05/13/25 07:00	05/16/25 13:01	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			05/07/25 21:53	1
Sulfate	11.9		1.00	0.390	mg/L			05/07/25 21:53	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		05/12/25 05:33	05/12/25 13:54	1
Arsenic	1.66	J	3.00	0.860	ug/L		05/12/25 05:33	05/12/25 13:54	1
Barium	286		5.00	0.890	ug/L		05/12/25 05:33	05/12/25 13:54	1
Beryllium	1.48		0.500	0.200	ug/L		05/12/25 05:33	05/12/25 13:54	1
Cadmium	ND		0.500	0.0780	ug/L		05/12/25 05:33	05/12/25 13:54	1
Chromium	ND		5.00	1.20	ug/L		05/12/25 05:33	05/12/25 13:54	1
Cobalt	4.94		0.500	0.220	ug/L		05/12/25 05:33	05/12/25 13:54	1
Copper	4.79	J	5.00	1.08	ug/L		05/12/25 05:33	05/12/25 13:54	1
Lead	2.61		2.50	0.210	ug/L		05/12/25 05:33	05/12/25 13:54	1
Manganese	656		5.00	2.20	ug/L		05/12/25 05:33	05/12/25 13:54	1
Nickel	7.82		5.00	0.420	ug/L		05/12/25 05:33	05/12/25 13:54	1
Selenium	1.41	J	2.50	0.990	ug/L		05/12/25 05:33	05/12/25 13:54	1
Silver	ND		1.00	0.390	ug/L		05/12/25 05:33	05/12/25 13:54	1
Thallium	ND		1.00	0.260	ug/L		05/12/25 05:33	05/12/25 13:54	1
Vanadium	11.2		10.0	0.630	ug/L		05/12/25 05:33	05/12/25 13:54	1
Zinc	13.3	J	20.0	2.80	ug/L		05/12/25 05:33	05/12/25 13:54	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		05/12/25 12:55	05/12/25 17:52	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			05/14/25 12:36	1

Client Sample Results

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: MW-5

Lab Sample ID: 400-275450-5

Date Collected: 05/06/25 15:15

Matrix: Water

Date Received: 05/07/25 09:50

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			05/15/25 17:42	1
Benzene	0.550	J	1.00	0.500	ug/L			05/15/25 17:42	1
Bromobenzene	ND		1.00	0.540	ug/L			05/15/25 17:42	1
Bromoform	ND		5.00	0.250	ug/L			05/15/25 17:42	1
Bromomethane	ND		1.00	0.980	ug/L			05/15/25 17:42	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			05/15/25 17:42	1
Carbon disulfide	ND		1.00	0.500	ug/L			05/15/25 17:42	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			05/15/25 17:42	1
Chlorobenzene	ND		1.00	0.420	ug/L			05/15/25 17:42	1
Chlorobromomethane	ND		1.00	0.520	ug/L			05/15/25 17:42	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			05/15/25 17:42	1
Chloroethane	ND		1.00	0.760	ug/L			05/15/25 17:42	1
Chloroform	ND		1.00	0.900	ug/L			05/15/25 17:42	1
Chloromethane	0.826	J	1.00	0.400	ug/L			05/15/25 17:42	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			05/15/25 17:42	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			05/15/25 17:42	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			05/15/25 17:42	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			05/15/25 17:42	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			05/15/25 17:42	1
Dibromomethane	ND		5.00	0.220	ug/L			05/15/25 17:42	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			05/15/25 17:42	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			05/15/25 17:42	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			05/15/25 17:42	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			05/15/25 17:42	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			05/15/25 17:42	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			05/15/25 17:42	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			05/15/25 17:42	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			05/15/25 17:42	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			05/15/25 17:42	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			05/15/25 17:42	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			05/15/25 17:42	1
Ethyl acetate	ND		10.0	6.14	ug/L			05/15/25 17:42	1
Ethylbenzene	ND		1.00	0.500	ug/L			05/15/25 17:42	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			05/15/25 17:42	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			05/15/25 17:42	1
Hexane	ND		1.00	0.960	ug/L			05/15/25 17:42	1
2-Hexanone	ND		25.0	4.26	ug/L			05/15/25 17:42	1
Iodomethane	ND		1.00	0.900	ug/L			05/15/25 17:42	1
Isopropylbenzene	ND		1.00	0.530	ug/L			05/15/25 17:42	1
Isopropyl ether	ND		1.00	0.740	ug/L			05/15/25 17:42	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			05/15/25 17:42	1
Methylene Chloride	ND		5.00	3.00	ug/L			05/15/25 17:42	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			05/15/25 17:42	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			05/15/25 17:42	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			05/15/25 17:42	1
Naphthalene	ND		5.00	3.00	ug/L			05/15/25 17:42	1
n-Butylbenzene	ND	*+	1.00	0.760	ug/L			05/15/25 17:42	1
n-Heptane	ND		1.00	0.210	ug/L			05/15/25 17:42	1
N-Propylbenzene	ND		1.00	0.690	ug/L			05/15/25 17:42	1

Eurofins Pensacola

Client Sample Results

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: MW-5

Lab Sample ID: 400-275450-5

Date Collected: 05/06/25 15:15

Matrix: Water

Date Received: 05/07/25 09:50

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			05/15/25 17:42	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			05/15/25 17:42	1
Styrene	ND		1.00	1.00	ug/L			05/15/25 17:42	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			05/15/25 17:42	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			05/15/25 17:42	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			05/15/25 17:42	1
Tetrachloroethene	ND		1.00	0.330	ug/L			05/15/25 17:42	1
Toluene	ND		1.00	0.900	ug/L			05/15/25 17:42	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			05/15/25 17:42	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			05/15/25 17:42	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			05/15/25 17:42	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			05/15/25 17:42	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			05/15/25 17:42	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			05/15/25 17:42	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			05/15/25 17:42	1
Trichloroethene	ND		1.00	0.150	ug/L			05/15/25 17:42	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			05/15/25 17:42	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			05/15/25 17:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			05/15/25 17:42	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			05/15/25 17:42	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			05/15/25 17:42	1
Vinyl acetate	ND		25.0	0.930	ug/L			05/15/25 17:42	1
Vinyl chloride	ND		1.00	0.500	ug/L			05/15/25 17:42	1
Xylenes, Total	ND		10.0	6.00	ug/L			05/15/25 17:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	109		56 - 136		05/15/25 17:42	1
Dibromofluoromethane	91		79 - 130		05/15/25 17:42	1
1,2-Dichloroethane-d4 (Surr)	89		59 - 146		05/15/25 17:42	1
Toluene-d8 (Surr)	103		64 - 132		05/15/25 17:42	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		0.283	0.283	ug/L		05/13/25 07:00	05/16/25 17:08	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	28		10 - 140	05/13/25 07:00	05/16/25 17:08	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		8.77	0.368	ug/L		05/13/25 07:00	05/16/25 13:33	1
2,4,5-Trichlorophenol	ND		8.77	0.474	ug/L		05/13/25 07:00	05/16/25 13:33	1
2,4,6-Trichlorophenol	ND		8.77	0.956	ug/L		05/13/25 07:00	05/16/25 13:33	1
2,4-Dichlorophenol	ND		8.77	0.500	ug/L		05/13/25 07:00	05/16/25 13:33	1
2,4-Dimethylphenol	ND		8.77	0.211	ug/L		05/13/25 07:00	05/16/25 13:33	1
2,4-Dinitrophenol	ND		26.3	4.11	ug/L		05/13/25 07:00	05/16/25 13:33	1
2,4-Dinitrotoluene	ND		8.77	0.570	ug/L		05/13/25 07:00	05/16/25 13:33	1
2,6-Dinitrotoluene	ND		8.77	0.254	ug/L		05/13/25 07:00	05/16/25 13:33	1
2-Chloronaphthalene	ND		8.77	0.333	ug/L		05/13/25 07:00	05/16/25 13:33	1
2-Chlorophenol	ND		8.77	0.737	ug/L		05/13/25 07:00	05/16/25 13:33	1
2-Methylnaphthalene	ND		8.77	0.711	ug/L		05/13/25 07:00	05/16/25 13:33	1

Eurofins Pensacola

Client Sample Results

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: MW-5

Lab Sample ID: 400-275450-5

Date Collected: 05/06/25 15:15

Matrix: Water

Date Received: 05/07/25 09:50

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		8.77	0.667	ug/L		05/13/25 07:00	05/16/25 13:33	1
2-Nitroaniline	ND		8.77	1.20	ug/L		05/13/25 07:00	05/16/25 13:33	1
2-Nitrophenol	ND		8.77	1.03	ug/L		05/13/25 07:00	05/16/25 13:33	1
3 & 4 Methylphenol	ND		17.5	4.04	ug/L		05/13/25 07:00	05/16/25 13:33	1
3,3'-Dichlorobenzidine	ND		9.65	0.360	ug/L		05/13/25 07:00	05/16/25 13:33	1
3-Nitroaniline	ND		8.77	0.833	ug/L		05/13/25 07:00	05/16/25 13:33	1
4,6-Dinitro-2-methylphenol	ND		8.77	1.73	ug/L		05/13/25 07:00	05/16/25 13:33	1
4-Bromophenyl phenyl ether	ND		8.77	0.114	ug/L		05/13/25 07:00	05/16/25 13:33	1
4-Chloro-3-methylphenol	ND		8.77	0.640	ug/L		05/13/25 07:00	05/16/25 13:33	1
4-Chloroaniline	ND		8.77	0.246	ug/L		05/13/25 07:00	05/16/25 13:33	1
4-Chlorophenyl phenyl ether	ND		8.77	0.211	ug/L		05/13/25 07:00	05/16/25 13:33	1
4-Nitroaniline	ND		8.77	3.07	ug/L		05/13/25 07:00	05/16/25 13:33	1
4-Nitrophenol	ND		8.77	2.40	ug/L		05/13/25 07:00	05/16/25 13:33	1
Acenaphthene	ND		8.77	0.553	ug/L		05/13/25 07:00	05/16/25 13:33	1
Acenaphthylene	ND		8.77	0.667	ug/L		05/13/25 07:00	05/16/25 13:33	1
Acetophenone	ND		8.77	2.81	ug/L		05/13/25 07:00	05/16/25 13:33	1
Anthracene	ND		8.77	0.798	ug/L		05/13/25 07:00	05/16/25 13:33	1
Atrazine	ND		8.77	0.991	ug/L		05/13/25 07:00	05/16/25 13:33	1
Benzaldehyde	ND		8.77	0.588	ug/L		05/13/25 07:00	05/16/25 13:33	1
Benzo[a]anthracene	ND		8.77	0.877	ug/L		05/13/25 07:00	05/16/25 13:33	1
Benzo[a]pyrene	ND		8.77	0.965	ug/L		05/13/25 07:00	05/16/25 13:33	1
Benzo[b]fluoranthene	ND		8.77	1.05	ug/L		05/13/25 07:00	05/16/25 13:33	1
Benzo[g,h,i]perylene	ND		8.77	1.32	ug/L		05/13/25 07:00	05/16/25 13:33	1
Benzo[k]fluoranthene	ND		8.77	1.32	ug/L		05/13/25 07:00	05/16/25 13:33	1
bis (2-chloroisopropyl) ether	ND		8.77	0.816	ug/L		05/13/25 07:00	05/16/25 13:33	1
Bis(2-chloroethoxy)methane	ND		8.77	0.298	ug/L		05/13/25 07:00	05/16/25 13:33	1
Bis(2-chloroethyl)ether	ND		8.77	0.640	ug/L		05/13/25 07:00	05/16/25 13:33	1
Bis(2-ethylhexyl) phthalate	ND		8.77	3.51	ug/L		05/13/25 07:00	05/16/25 13:33	1
Butyl benzyl phthalate	ND		8.77	3.51	ug/L		05/13/25 07:00	05/16/25 13:33	1
Caprolactam	ND		8.77	2.11	ug/L		05/13/25 07:00	05/16/25 13:33	1
Carbazole	ND		8.77	0.281	ug/L		05/13/25 07:00	05/16/25 13:33	1
Chrysene	ND	*	8.77	1.05	ug/L		05/13/25 07:00	05/16/25 13:33	1
Dibenz(a,h)anthracene	ND		8.77	1.14	ug/L		05/13/25 07:00	05/16/25 13:33	1
Dibenzofuran	ND		8.77	0.561	ug/L		05/13/25 07:00	05/16/25 13:33	1
Diethyl phthalate	ND		8.77	3.51	ug/L		05/13/25 07:00	05/16/25 13:33	1
Dimethyl phthalate	ND		8.77	3.51	ug/L		05/13/25 07:00	05/16/25 13:33	1
Di-n-butyl phthalate	ND		8.77	3.51	ug/L		05/13/25 07:00	05/16/25 13:33	1
Di-n-octyl phthalate	ND		8.77	3.51	ug/L		05/13/25 07:00	05/16/25 13:33	1
Fluoranthene	ND		8.77	0.553	ug/L		05/13/25 07:00	05/16/25 13:33	1
Fluorene	ND		8.77	0.588	ug/L		05/13/25 07:00	05/16/25 13:33	1
Hexachlorobenzene	ND		8.77	0.219	ug/L		05/13/25 07:00	05/16/25 13:33	1
Hexachlorobutadiene	ND		8.77	0.482	ug/L		05/13/25 07:00	05/16/25 13:33	1
Hexachlorocyclopentadiene	ND		17.5	0.281	ug/L		05/13/25 07:00	05/16/25 13:33	1
Hexachloroethane	ND		8.77	0.465	ug/L		05/13/25 07:00	05/16/25 13:33	1
Indeno[1,2,3-cd]pyrene	ND		8.77	0.965	ug/L		05/13/25 07:00	05/16/25 13:33	1
Isophorone	ND		8.77	0.702	ug/L		05/13/25 07:00	05/16/25 13:33	1
Naphthalene	ND		8.77	0.658	ug/L		05/13/25 07:00	05/16/25 13:33	1
Nitrobenzene	ND		8.77	0.526	ug/L		05/13/25 07:00	05/16/25 13:33	1
N-Nitrosodi-n-propylamine	ND		8.77	0.289	ug/L		05/13/25 07:00	05/16/25 13:33	1

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Client Sample Results

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: MW-5

Lab Sample ID: 400-275450-5

Date Collected: 05/06/25 15:15

Matrix: Water

Date Received: 05/07/25 09:50

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		8.77	0.167	ug/L		05/13/25 07:00	05/16/25 13:33	1
Pentachlorophenol	ND		8.77	2.46	ug/L		05/13/25 07:00	05/16/25 13:33	1
Phenanthrene	ND		8.77	0.649	ug/L		05/13/25 07:00	05/16/25 13:33	1
Phenol	ND		8.77	0.596	ug/L		05/13/25 07:00	05/16/25 13:33	1
Pyrene	ND		8.77	0.553	ug/L		05/13/25 07:00	05/16/25 13:33	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	50		10 - 150				05/13/25 07:00	05/16/25 13:33	1
2-Fluorobiphenyl (Surr)	53		15 - 150				05/13/25 07:00	05/16/25 13:33	1
2-Fluorophenol (Surr)	64		10 - 150				05/13/25 07:00	05/16/25 13:33	1
Nitrobenzene-d5 (Surr)	64		50 - 150				05/13/25 07:00	05/16/25 13:33	1
Phenol-d5 (Surr)	70		10 - 150				05/13/25 07:00	05/16/25 13:33	1
Terphenyl-d14 (Surr)	34	S1-	43 - 147				05/13/25 07:00	05/16/25 13:33	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	1.12		0.100	0.0630	mg/L			05/07/25 22:02	1
Sulfate	16.7		1.00	0.390	mg/L			05/07/25 22:02	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		05/12/25 05:33	05/12/25 14:12	1
Arsenic	1.17	J	3.00	0.860	ug/L		05/12/25 05:33	05/12/25 14:12	1
Barium	135		5.00	0.890	ug/L		05/12/25 05:33	05/12/25 14:12	1
Beryllium	ND		0.500	0.200	ug/L		05/12/25 05:33	05/12/25 14:12	1
Cadmium	ND		0.500	0.0780	ug/L		05/12/25 05:33	05/12/25 14:12	1
Chromium	3.00	J	5.00	1.20	ug/L		05/12/25 05:33	05/12/25 14:12	1
Cobalt	0.380	J	0.500	0.220	ug/L		05/12/25 05:33	05/12/25 14:12	1
Copper	ND		5.00	1.08	ug/L		05/12/25 05:33	05/12/25 14:12	1
Lead	ND		2.50	0.210	ug/L		05/12/25 05:33	05/12/25 14:12	1
Manganese	57.1		5.00	2.20	ug/L		05/12/25 05:33	05/12/25 14:12	1
Nickel	1.14	J	5.00	0.420	ug/L		05/12/25 05:33	05/12/25 14:12	1
Selenium	ND		2.50	0.990	ug/L		05/12/25 05:33	05/12/25 14:12	1
Silver	ND		1.00	0.390	ug/L		05/12/25 05:33	05/12/25 14:12	1
Thallium	ND		1.00	0.260	ug/L		05/12/25 05:33	05/12/25 14:12	1
Vanadium	15.4		10.0	0.630	ug/L		05/12/25 05:33	05/12/25 14:12	1
Zinc	3.29	J	20.0	2.80	ug/L		05/12/25 05:33	05/12/25 14:12	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0826	J	0.200	0.0800	ug/L		05/09/25 12:59	05/09/25 17:17	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			05/14/25 12:39	1

Client Sample Results

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: MW-6

Lab Sample ID: 400-275450-6

Date Collected: 05/06/25 14:15

Matrix: Water

Date Received: 05/07/25 09:50

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			05/15/25 18:06	1
Benzene	ND		1.00	0.500	ug/L			05/15/25 18:06	1
Bromobenzene	ND		1.00	0.540	ug/L			05/15/25 18:06	1
Bromoform	ND		5.00	0.250	ug/L			05/15/25 18:06	1
Bromomethane	ND		1.00	0.980	ug/L			05/15/25 18:06	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			05/15/25 18:06	1
Carbon disulfide	ND		1.00	0.500	ug/L			05/15/25 18:06	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			05/15/25 18:06	1
Chlorobenzene	ND		1.00	0.420	ug/L			05/15/25 18:06	1
Chlorobromomethane	ND		1.00	0.520	ug/L			05/15/25 18:06	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			05/15/25 18:06	1
Chloroethane	ND		1.00	0.760	ug/L			05/15/25 18:06	1
Chloroform	ND		1.00	0.900	ug/L			05/15/25 18:06	1
Chloromethane	0.504	J	1.00	0.400	ug/L			05/15/25 18:06	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			05/15/25 18:06	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			05/15/25 18:06	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			05/15/25 18:06	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			05/15/25 18:06	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			05/15/25 18:06	1
Dibromomethane	ND		5.00	0.220	ug/L			05/15/25 18:06	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			05/15/25 18:06	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			05/15/25 18:06	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			05/15/25 18:06	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			05/15/25 18:06	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			05/15/25 18:06	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			05/15/25 18:06	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			05/15/25 18:06	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			05/15/25 18:06	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			05/15/25 18:06	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			05/15/25 18:06	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			05/15/25 18:06	1
Ethyl acetate	ND		10.0	6.14	ug/L			05/15/25 18:06	1
Ethylbenzene	ND		1.00	0.500	ug/L			05/15/25 18:06	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			05/15/25 18:06	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			05/15/25 18:06	1
Hexane	ND		1.00	0.960	ug/L			05/15/25 18:06	1
2-Hexanone	ND		25.0	4.26	ug/L			05/15/25 18:06	1
Iodomethane	ND		1.00	0.900	ug/L			05/15/25 18:06	1
Isopropylbenzene	ND		1.00	0.530	ug/L			05/15/25 18:06	1
Isopropyl ether	ND		1.00	0.740	ug/L			05/15/25 18:06	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			05/15/25 18:06	1
Methylene Chloride	ND		5.00	3.00	ug/L			05/15/25 18:06	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			05/15/25 18:06	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			05/15/25 18:06	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			05/15/25 18:06	1
Naphthalene	ND		5.00	3.00	ug/L			05/15/25 18:06	1
n-Butylbenzene	ND	*+	1.00	0.760	ug/L			05/15/25 18:06	1
n-Heptane	ND		1.00	0.210	ug/L			05/15/25 18:06	1
N-Propylbenzene	ND		1.00	0.690	ug/L			05/15/25 18:06	1

Eurofins Pensacola

Client Sample Results

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: MW-6

Lab Sample ID: 400-275450-6

Date Collected: 05/06/25 14:15

Matrix: Water

Date Received: 05/07/25 09:50

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			05/15/25 18:06	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			05/15/25 18:06	1
Styrene	ND		1.00	1.00	ug/L			05/15/25 18:06	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			05/15/25 18:06	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			05/15/25 18:06	1
1,1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			05/15/25 18:06	1
Tetrachloroethene	ND		1.00	0.330	ug/L			05/15/25 18:06	1
Toluene	ND		1.00	0.900	ug/L			05/15/25 18:06	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			05/15/25 18:06	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			05/15/25 18:06	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			05/15/25 18:06	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			05/15/25 18:06	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			05/15/25 18:06	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			05/15/25 18:06	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			05/15/25 18:06	1
Trichloroethene	ND		1.00	0.150	ug/L			05/15/25 18:06	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			05/15/25 18:06	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			05/15/25 18:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			05/15/25 18:06	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			05/15/25 18:06	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			05/15/25 18:06	1
Vinyl acetate	ND		25.0	0.930	ug/L			05/15/25 18:06	1
Vinyl chloride	ND		1.00	0.500	ug/L			05/15/25 18:06	1
Xylenes, Total	ND		10.0	6.00	ug/L			05/15/25 18:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	110		56 - 136		05/15/25 18:06	1
Dibromofluoromethane	92		79 - 130		05/15/25 18:06	1
1,2-Dichloroethane-d4 (Surr)	90		59 - 146		05/15/25 18:06	1
Toluene-d8 (Surr)	102		64 - 132		05/15/25 18:06	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		0.304	0.304	ug/L		05/13/25 07:00	05/16/25 17:30	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	25		10 - 140	05/13/25 07:00	05/16/25 17:30	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		8.90	0.374	ug/L		05/13/25 07:00	05/16/25 14:04	1
2,4,5-Trichlorophenol	ND		8.90	0.481	ug/L		05/13/25 07:00	05/16/25 14:04	1
2,4,6-Trichlorophenol	ND		8.90	0.970	ug/L		05/13/25 07:00	05/16/25 14:04	1
2,4-Dichlorophenol	ND		8.90	0.507	ug/L		05/13/25 07:00	05/16/25 14:04	1
2,4-Dimethylphenol	ND		8.90	0.214	ug/L		05/13/25 07:00	05/16/25 14:04	1
2,4-Dinitrophenol	ND		26.7	4.17	ug/L		05/13/25 07:00	05/16/25 14:04	1
2,4-Dinitrotoluene	ND		8.90	0.579	ug/L		05/13/25 07:00	05/16/25 14:04	1
2,6-Dinitrotoluene	ND		8.90	0.258	ug/L		05/13/25 07:00	05/16/25 14:04	1
2-Chloronaphthalene	ND		8.90	0.338	ug/L		05/13/25 07:00	05/16/25 14:04	1
2-Chlorophenol	ND		8.90	0.748	ug/L		05/13/25 07:00	05/16/25 14:04	1
2-Methylnaphthalene	ND		8.90	0.721	ug/L		05/13/25 07:00	05/16/25 14:04	1

Eurofins Pensacola

Client Sample Results

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: MW-6

Lab Sample ID: 400-275450-6

Date Collected: 05/06/25 14:15

Matrix: Water

Date Received: 05/07/25 09:50

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		8.90	0.677	ug/L		05/13/25 07:00	05/16/25 14:04	1
2-Nitroaniline	ND		8.90	1.22	ug/L		05/13/25 07:00	05/16/25 14:04	1
2-Nitrophenol	ND		8.90	1.04	ug/L		05/13/25 07:00	05/16/25 14:04	1
3 & 4 Methylphenol	ND		17.8	4.09	ug/L		05/13/25 07:00	05/16/25 14:04	1
3,3'-Dichlorobenzidine	ND		9.79	0.365	ug/L		05/13/25 07:00	05/16/25 14:04	1
3-Nitroaniline	ND		8.90	0.846	ug/L		05/13/25 07:00	05/16/25 14:04	1
4,6-Dinitro-2-methylphenol	ND		8.90	1.75	ug/L		05/13/25 07:00	05/16/25 14:04	1
4-Bromophenyl phenyl ether	ND		8.90	0.116	ug/L		05/13/25 07:00	05/16/25 14:04	1
4-Chloro-3-methylphenol	ND		8.90	0.650	ug/L		05/13/25 07:00	05/16/25 14:04	1
4-Chloroaniline	ND		8.90	0.249	ug/L		05/13/25 07:00	05/16/25 14:04	1
4-Chlorophenyl phenyl ether	ND		8.90	0.214	ug/L		05/13/25 07:00	05/16/25 14:04	1
4-Nitroaniline	ND		8.90	3.12	ug/L		05/13/25 07:00	05/16/25 14:04	1
4-Nitrophenol	ND		8.90	2.44	ug/L		05/13/25 07:00	05/16/25 14:04	1
Acenaphthene	ND		8.90	0.561	ug/L		05/13/25 07:00	05/16/25 14:04	1
Acenaphthylene	ND		8.90	0.677	ug/L		05/13/25 07:00	05/16/25 14:04	1
Acetophenone	ND		8.90	2.85	ug/L		05/13/25 07:00	05/16/25 14:04	1
Anthracene	ND		8.90	0.810	ug/L		05/13/25 07:00	05/16/25 14:04	1
Atrazine	ND		8.90	1.01	ug/L		05/13/25 07:00	05/16/25 14:04	1
Benzaldehyde	ND		8.90	0.596	ug/L		05/13/25 07:00	05/16/25 14:04	1
Benzo[a]anthracene	ND		8.90	0.890	ug/L		05/13/25 07:00	05/16/25 14:04	1
Benzo[a]pyrene	ND		8.90	0.979	ug/L		05/13/25 07:00	05/16/25 14:04	1
Benzo[b]fluoranthene	ND		8.90	1.07	ug/L		05/13/25 07:00	05/16/25 14:04	1
Benzo[g,h,i]perylene	ND		8.90	1.34	ug/L		05/13/25 07:00	05/16/25 14:04	1
Benzo[k]fluoranthene	ND		8.90	1.34	ug/L		05/13/25 07:00	05/16/25 14:04	1
bis (2-chloroisopropyl) ether	ND		8.90	0.828	ug/L		05/13/25 07:00	05/16/25 14:04	1
Bis(2-chloroethoxy)methane	ND		8.90	0.303	ug/L		05/13/25 07:00	05/16/25 14:04	1
Bis(2-chloroethyl)ether	ND		8.90	0.650	ug/L		05/13/25 07:00	05/16/25 14:04	1
Bis(2-ethylhexyl) phthalate	ND		8.90	3.56	ug/L		05/13/25 07:00	05/16/25 14:04	1
Butyl benzyl phthalate	ND		8.90	3.56	ug/L		05/13/25 07:00	05/16/25 14:04	1
Caprolactam	ND		8.90	2.14	ug/L		05/13/25 07:00	05/16/25 14:04	1
Carbazole	ND		8.90	0.285	ug/L		05/13/25 07:00	05/16/25 14:04	1
Chrysene	ND *		8.90	1.07	ug/L		05/13/25 07:00	05/16/25 14:04	1
Dibenz(a,h)anthracene	ND		8.90	1.16	ug/L		05/13/25 07:00	05/16/25 14:04	1
Dibenzofuran	ND		8.90	0.570	ug/L		05/13/25 07:00	05/16/25 14:04	1
Diethyl phthalate	ND		8.90	3.56	ug/L		05/13/25 07:00	05/16/25 14:04	1
Dimethyl phthalate	ND		8.90	3.56	ug/L		05/13/25 07:00	05/16/25 14:04	1
Di-n-butyl phthalate	ND		8.90	3.56	ug/L		05/13/25 07:00	05/16/25 14:04	1
Di-n-octyl phthalate	ND		8.90	3.56	ug/L		05/13/25 07:00	05/16/25 14:04	1
Fluoranthene	ND		8.90	0.561	ug/L		05/13/25 07:00	05/16/25 14:04	1
Fluorene	ND		8.90	0.596	ug/L		05/13/25 07:00	05/16/25 14:04	1
Hexachlorobenzene	ND		8.90	0.223	ug/L		05/13/25 07:00	05/16/25 14:04	1
Hexachlorobutadiene	ND		8.90	0.490	ug/L		05/13/25 07:00	05/16/25 14:04	1
Hexachlorocyclopentadiene	ND		17.8	0.285	ug/L		05/13/25 07:00	05/16/25 14:04	1
Hexachloroethane	ND		8.90	0.472	ug/L		05/13/25 07:00	05/16/25 14:04	1
Indeno[1,2,3-cd]pyrene	ND		8.90	0.979	ug/L		05/13/25 07:00	05/16/25 14:04	1
Isophorone	ND		8.90	0.712	ug/L		05/13/25 07:00	05/16/25 14:04	1
Naphthalene	ND		8.90	0.668	ug/L		05/13/25 07:00	05/16/25 14:04	1
Nitrobenzene	ND		8.90	0.534	ug/L		05/13/25 07:00	05/16/25 14:04	1
N-Nitrosodi-n-propylamine	ND		8.90	0.294	ug/L		05/13/25 07:00	05/16/25 14:04	1

Eurofins Pensacola

Client Sample Results

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: MW-6

Lab Sample ID: 400-275450-6

Date Collected: 05/06/25 14:15

Matrix: Water

Date Received: 05/07/25 09:50

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		8.90	0.169	ug/L		05/13/25 07:00	05/16/25 14:04	1
Pentachlorophenol	ND		8.90	2.49	ug/L		05/13/25 07:00	05/16/25 14:04	1
Phenanthrene	ND		8.90	0.659	ug/L		05/13/25 07:00	05/16/25 14:04	1
Phenol	ND		8.90	0.605	ug/L		05/13/25 07:00	05/16/25 14:04	1
Pyrene	ND		8.90	0.561	ug/L		05/13/25 07:00	05/16/25 14:04	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	78		10 - 150				05/13/25 07:00	05/16/25 14:04	1
2-Fluorobiphenyl (Surr)	68		15 - 150				05/13/25 07:00	05/16/25 14:04	1
2-Fluorophenol (Surr)	103		10 - 150				05/13/25 07:00	05/16/25 14:04	1
Nitrobenzene-d5 (Surr)	78		50 - 150				05/13/25 07:00	05/16/25 14:04	1
Phenol-d5 (Surr)	112		10 - 150				05/13/25 07:00	05/16/25 14:04	1
Terphenyl-d14 (Surr)	51		43 - 147				05/13/25 07:00	05/16/25 14:04	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	1.12		0.100	0.0630	mg/L			05/07/25 22:10	1
Sulfate	17.0		1.00	0.390	mg/L			05/07/25 22:10	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		05/12/25 05:33	05/12/25 13:59	1
Arsenic	ND		3.00	0.860	ug/L		05/12/25 05:33	05/12/25 13:59	1
Barium	37.4		5.00	0.890	ug/L		05/12/25 05:33	05/12/25 13:59	1
Beryllium	ND		0.500	0.200	ug/L		05/12/25 05:33	05/12/25 13:59	1
Cadmium	ND		0.500	0.0780	ug/L		05/12/25 05:33	05/12/25 13:59	1
Chromium	3.48	J	5.00	1.20	ug/L		05/12/25 05:33	05/12/25 13:59	1
Cobalt	0.895		0.500	0.220	ug/L		05/12/25 05:33	05/12/25 13:59	1
Copper	3.34	J	5.00	1.08	ug/L		05/12/25 05:33	05/12/25 13:59	1
Lead	ND		2.50	0.210	ug/L		05/12/25 05:33	05/12/25 13:59	1
Manganese	40.8		5.00	2.20	ug/L		05/12/25 05:33	05/12/25 13:59	1
Nickel	2.32	J	5.00	0.420	ug/L		05/12/25 05:33	05/12/25 13:59	1
Selenium	ND		2.50	0.990	ug/L		05/12/25 05:33	05/12/25 13:59	1
Silver	ND		1.00	0.390	ug/L		05/12/25 05:33	05/12/25 13:59	1
Thallium	ND		1.00	0.260	ug/L		05/12/25 05:33	05/12/25 13:59	1
Vanadium	19.0		10.0	0.630	ug/L		05/12/25 05:33	05/12/25 13:59	1
Zinc	ND		20.0	2.80	ug/L		05/12/25 05:33	05/12/25 13:59	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		05/12/25 12:55	05/12/25 17:57	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			05/14/25 12:41	1

Client Sample Results

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: MW-7

Lab Sample ID: 400-275450-7

Date Collected: 05/06/25 13:15

Matrix: Water

Date Received: 05/07/25 09:50

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			05/15/25 18:31	1
Benzene	0.691	J	1.00	0.500	ug/L			05/15/25 18:31	1
Bromobenzene	ND		1.00	0.540	ug/L			05/15/25 18:31	1
Bromoform	ND		5.00	0.250	ug/L			05/15/25 18:31	1
Bromomethane	ND		1.00	0.980	ug/L			05/15/25 18:31	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			05/15/25 18:31	1
Carbon disulfide	ND		1.00	0.500	ug/L			05/15/25 18:31	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			05/15/25 18:31	1
Chlorobenzene	ND		1.00	0.420	ug/L			05/15/25 18:31	1
Chlorobromomethane	ND		1.00	0.520	ug/L			05/15/25 18:31	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			05/15/25 18:31	1
Chloroethane	ND		1.00	0.760	ug/L			05/15/25 18:31	1
Chloroform	ND		1.00	0.900	ug/L			05/15/25 18:31	1
Chloromethane	0.817	J	1.00	0.400	ug/L			05/15/25 18:31	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			05/15/25 18:31	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			05/15/25 18:31	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			05/15/25 18:31	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			05/15/25 18:31	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			05/15/25 18:31	1
Dibromomethane	ND		5.00	0.220	ug/L			05/15/25 18:31	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			05/15/25 18:31	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			05/15/25 18:31	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			05/15/25 18:31	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			05/15/25 18:31	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			05/15/25 18:31	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			05/15/25 18:31	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			05/15/25 18:31	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			05/15/25 18:31	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			05/15/25 18:31	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			05/15/25 18:31	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			05/15/25 18:31	1
Ethyl acetate	ND		10.0	6.14	ug/L			05/15/25 18:31	1
Ethylbenzene	ND		1.00	0.500	ug/L			05/15/25 18:31	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			05/15/25 18:31	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			05/15/25 18:31	1
Hexane	ND		1.00	0.960	ug/L			05/15/25 18:31	1
2-Hexanone	ND		25.0	4.26	ug/L			05/15/25 18:31	1
Iodomethane	ND		1.00	0.900	ug/L			05/15/25 18:31	1
Isopropylbenzene	ND		1.00	0.530	ug/L			05/15/25 18:31	1
Isopropyl ether	ND		1.00	0.740	ug/L			05/15/25 18:31	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			05/15/25 18:31	1
Methylene Chloride	ND		5.00	3.00	ug/L			05/15/25 18:31	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			05/15/25 18:31	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			05/15/25 18:31	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			05/15/25 18:31	1
Naphthalene	ND		5.00	3.00	ug/L			05/15/25 18:31	1
n-Butylbenzene	ND	*+	1.00	0.760	ug/L			05/15/25 18:31	1
n-Heptane	ND		1.00	0.210	ug/L			05/15/25 18:31	1
N-Propylbenzene	ND		1.00	0.690	ug/L			05/15/25 18:31	1

Eurofins Pensacola

Client Sample Results

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: MW-7

Lab Sample ID: 400-275450-7

Date Collected: 05/06/25 13:15

Matrix: Water

Date Received: 05/07/25 09:50

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			05/15/25 18:31	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			05/15/25 18:31	1
Styrene	ND		1.00	1.00	ug/L			05/15/25 18:31	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			05/15/25 18:31	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			05/15/25 18:31	1
1,1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			05/15/25 18:31	1
Tetrachloroethene	ND		1.00	0.330	ug/L			05/15/25 18:31	1
Toluene	ND		1.00	0.900	ug/L			05/15/25 18:31	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			05/15/25 18:31	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			05/15/25 18:31	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			05/15/25 18:31	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			05/15/25 18:31	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			05/15/25 18:31	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			05/15/25 18:31	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			05/15/25 18:31	1
Trichloroethene	ND		1.00	0.150	ug/L			05/15/25 18:31	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			05/15/25 18:31	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			05/15/25 18:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			05/15/25 18:31	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			05/15/25 18:31	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			05/15/25 18:31	1
Vinyl acetate	ND		25.0	0.930	ug/L			05/15/25 18:31	1
Vinyl chloride	ND		1.00	0.500	ug/L			05/15/25 18:31	1
Xylenes, Total	ND		10.0	6.00	ug/L			05/15/25 18:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	111		56 - 136		05/15/25 18:31	1
Dibromofluoromethane	92		79 - 130		05/15/25 18:31	1
1,2-Dichloroethane-d4 (Surr)	91		59 - 146		05/15/25 18:31	1
Toluene-d8 (Surr)	103		64 - 132		05/15/25 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		0.279	0.279	ug/L		05/13/25 07:00	05/16/25 17:52	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	25		10 - 140	05/13/25 07:00	05/16/25 17:52	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		8.85	0.372	ug/L		05/13/25 07:00	05/16/25 14:36	1
2,4,5-Trichlorophenol	ND		8.85	0.478	ug/L		05/13/25 07:00	05/16/25 14:36	1
2,4,6-Trichlorophenol	ND		8.85	0.965	ug/L		05/13/25 07:00	05/16/25 14:36	1
2,4-Dichlorophenol	ND		8.85	0.504	ug/L		05/13/25 07:00	05/16/25 14:36	1
2,4-Dimethylphenol	ND		8.85	0.212	ug/L		05/13/25 07:00	05/16/25 14:36	1
2,4-Dinitrophenol	ND		26.5	4.14	ug/L		05/13/25 07:00	05/16/25 14:36	1
2,4-Dinitrotoluene	ND		8.85	0.575	ug/L		05/13/25 07:00	05/16/25 14:36	1
2,6-Dinitrotoluene	ND		8.85	0.257	ug/L		05/13/25 07:00	05/16/25 14:36	1
2-Chloronaphthalene	ND		8.85	0.336	ug/L		05/13/25 07:00	05/16/25 14:36	1
2-Chlorophenol	ND		8.85	0.743	ug/L		05/13/25 07:00	05/16/25 14:36	1
2-Methylnaphthalene	ND		8.85	0.717	ug/L		05/13/25 07:00	05/16/25 14:36	1

Eurofins Pensacola

Client Sample Results

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: MW-7

Lab Sample ID: 400-275450-7

Date Collected: 05/06/25 13:15

Matrix: Water

Date Received: 05/07/25 09:50

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		8.85	0.673	ug/L		05/13/25 07:00	05/16/25 14:36	1
2-Nitroaniline	ND		8.85	1.21	ug/L		05/13/25 07:00	05/16/25 14:36	1
2-Nitrophenol	ND		8.85	1.04	ug/L		05/13/25 07:00	05/16/25 14:36	1
3 & 4 Methylphenol	ND		17.7	4.07	ug/L		05/13/25 07:00	05/16/25 14:36	1
3,3'-Dichlorobenzidine	ND		9.73	0.363	ug/L		05/13/25 07:00	05/16/25 14:36	1
3-Nitroaniline	ND		8.85	0.841	ug/L		05/13/25 07:00	05/16/25 14:36	1
4,6-Dinitro-2-methylphenol	ND		8.85	1.74	ug/L		05/13/25 07:00	05/16/25 14:36	1
4-Bromophenyl phenyl ether	ND		8.85	0.115	ug/L		05/13/25 07:00	05/16/25 14:36	1
4-Chloro-3-methylphenol	ND		8.85	0.646	ug/L		05/13/25 07:00	05/16/25 14:36	1
4-Chloroaniline	ND		8.85	0.248	ug/L		05/13/25 07:00	05/16/25 14:36	1
4-Chlorophenyl phenyl ether	ND		8.85	0.212	ug/L		05/13/25 07:00	05/16/25 14:36	1
4-Nitroaniline	ND		8.85	3.10	ug/L		05/13/25 07:00	05/16/25 14:36	1
4-Nitrophenol	ND		8.85	2.42	ug/L		05/13/25 07:00	05/16/25 14:36	1
Acenaphthene	ND		8.85	0.558	ug/L		05/13/25 07:00	05/16/25 14:36	1
Acenaphthylene	ND		8.85	0.673	ug/L		05/13/25 07:00	05/16/25 14:36	1
Acetophenone	ND		8.85	2.83	ug/L		05/13/25 07:00	05/16/25 14:36	1
Anthracene	ND		8.85	0.805	ug/L		05/13/25 07:00	05/16/25 14:36	1
Atrazine	ND		8.85	1.00	ug/L		05/13/25 07:00	05/16/25 14:36	1
Benzaldehyde	ND		8.85	0.593	ug/L		05/13/25 07:00	05/16/25 14:36	1
Benzo[a]anthracene	ND		8.85	0.885	ug/L		05/13/25 07:00	05/16/25 14:36	1
Benzo[a]pyrene	ND		8.85	0.973	ug/L		05/13/25 07:00	05/16/25 14:36	1
Benzo[b]fluoranthene	ND		8.85	1.06	ug/L		05/13/25 07:00	05/16/25 14:36	1
Benzo[g,h,i]perylene	ND		8.85	1.33	ug/L		05/13/25 07:00	05/16/25 14:36	1
Benzo[k]fluoranthene	ND		8.85	1.33	ug/L		05/13/25 07:00	05/16/25 14:36	1
bis (2-chloroisopropyl) ether	ND		8.85	0.823	ug/L		05/13/25 07:00	05/16/25 14:36	1
Bis(2-chloroethoxy)methane	ND		8.85	0.301	ug/L		05/13/25 07:00	05/16/25 14:36	1
Bis(2-chloroethyl)ether	ND		8.85	0.646	ug/L		05/13/25 07:00	05/16/25 14:36	1
Bis(2-ethylhexyl) phthalate	ND		8.85	3.54	ug/L		05/13/25 07:00	05/16/25 14:36	1
Butyl benzyl phthalate	ND		8.85	3.54	ug/L		05/13/25 07:00	05/16/25 14:36	1
Caprolactam	ND		8.85	2.12	ug/L		05/13/25 07:00	05/16/25 14:36	1
Carbazole	ND		8.85	0.283	ug/L		05/13/25 07:00	05/16/25 14:36	1
Chrysene	ND	*	8.85	1.06	ug/L		05/13/25 07:00	05/16/25 14:36	1
Dibenz(a,h)anthracene	ND		8.85	1.15	ug/L		05/13/25 07:00	05/16/25 14:36	1
Dibenzofuran	ND		8.85	0.566	ug/L		05/13/25 07:00	05/16/25 14:36	1
Diethyl phthalate	ND		8.85	3.54	ug/L		05/13/25 07:00	05/16/25 14:36	1
Dimethyl phthalate	ND		8.85	3.54	ug/L		05/13/25 07:00	05/16/25 14:36	1
Di-n-butyl phthalate	ND		8.85	3.54	ug/L		05/13/25 07:00	05/16/25 14:36	1
Di-n-octyl phthalate	ND		8.85	3.54	ug/L		05/13/25 07:00	05/16/25 14:36	1
Fluoranthene	ND		8.85	0.558	ug/L		05/13/25 07:00	05/16/25 14:36	1
Fluorene	ND		8.85	0.593	ug/L		05/13/25 07:00	05/16/25 14:36	1
Hexachlorobenzene	ND		8.85	0.221	ug/L		05/13/25 07:00	05/16/25 14:36	1
Hexachlorobutadiene	ND		8.85	0.487	ug/L		05/13/25 07:00	05/16/25 14:36	1
Hexachlorocyclopentadiene	ND		17.7	0.283	ug/L		05/13/25 07:00	05/16/25 14:36	1
Hexachloroethane	ND		8.85	0.469	ug/L		05/13/25 07:00	05/16/25 14:36	1
Indeno[1,2,3-cd]pyrene	ND		8.85	0.973	ug/L		05/13/25 07:00	05/16/25 14:36	1
Isophorone	ND		8.85	0.708	ug/L		05/13/25 07:00	05/16/25 14:36	1
Naphthalene	ND		8.85	0.664	ug/L		05/13/25 07:00	05/16/25 14:36	1
Nitrobenzene	ND		8.85	0.531	ug/L		05/13/25 07:00	05/16/25 14:36	1
N-Nitrosodi-n-propylamine	ND		8.85	0.292	ug/L		05/13/25 07:00	05/16/25 14:36	1

Eurofins Pensacola

Client Sample Results

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: MW-7

Lab Sample ID: 400-275450-7

Date Collected: 05/06/25 13:15

Matrix: Water

Date Received: 05/07/25 09:50

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		8.85	0.168	ug/L		05/13/25 07:00	05/16/25 14:36	1
Pentachlorophenol	ND		8.85	2.48	ug/L		05/13/25 07:00	05/16/25 14:36	1
Phenanthrene	ND		8.85	0.655	ug/L		05/13/25 07:00	05/16/25 14:36	1
Phenol	ND		8.85	0.602	ug/L		05/13/25 07:00	05/16/25 14:36	1
Pyrene	ND		8.85	0.558	ug/L		05/13/25 07:00	05/16/25 14:36	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	59		10 - 150				05/13/25 07:00	05/16/25 14:36	1
2-Fluorobiphenyl (Surr)	58		15 - 150				05/13/25 07:00	05/16/25 14:36	1
2-Fluorophenol (Surr)	60		10 - 150				05/13/25 07:00	05/16/25 14:36	1
Nitrobenzene-d5 (Surr)	67		50 - 150				05/13/25 07:00	05/16/25 14:36	1
Phenol-d5 (Surr)	61		10 - 150				05/13/25 07:00	05/16/25 14:36	1
Terphenyl-d14 (Surr)	42	S1-	43 - 147				05/13/25 07:00	05/16/25 14:36	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			05/07/25 22:19	1
Sulfate	35.3		1.00	0.390	mg/L			05/07/25 22:19	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		05/12/25 05:33	05/12/25 14:20	1
Arsenic	1.39	J	3.00	0.860	ug/L		05/12/25 05:33	05/12/25 14:20	1
Barium	379		5.00	0.890	ug/L		05/12/25 05:33	05/12/25 14:20	1
Beryllium	ND		0.500	0.200	ug/L		05/12/25 05:33	05/12/25 14:20	1
Cadmium	ND		0.500	0.0780	ug/L		05/12/25 05:33	05/12/25 14:20	1
Chromium	ND		5.00	1.20	ug/L		05/12/25 05:33	05/12/25 14:20	1
Cobalt	0.360	J	0.500	0.220	ug/L		05/12/25 05:33	05/12/25 14:20	1
Copper	ND		5.00	1.08	ug/L		05/12/25 05:33	05/12/25 14:20	1
Lead	ND		2.50	0.210	ug/L		05/12/25 05:33	05/12/25 14:20	1
Manganese	126		5.00	2.20	ug/L		05/12/25 05:33	05/12/25 14:20	1
Nickel	1.55	J	5.00	0.420	ug/L		05/12/25 05:33	05/12/25 14:20	1
Selenium	ND		2.50	0.990	ug/L		05/12/25 05:33	05/12/25 14:20	1
Silver	ND		1.00	0.390	ug/L		05/12/25 05:33	05/12/25 14:20	1
Thallium	ND		1.00	0.260	ug/L		05/12/25 05:33	05/12/25 14:20	1
Vanadium	2.42	J	10.0	0.630	ug/L		05/12/25 05:33	05/12/25 14:20	1
Zinc	3.20	J	20.0	2.80	ug/L		05/12/25 05:33	05/12/25 14:20	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		05/09/25 12:59	05/09/25 17:39	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			05/14/25 12:44	1

Client Sample Results

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: MW-8

Lab Sample ID: 400-275450-8

Date Collected: 05/06/25 12:15

Matrix: Water

Date Received: 05/07/25 09:50

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			05/15/25 18:55	1
Benzene	0.668	J	1.00	0.500	ug/L			05/15/25 18:55	1
Bromobenzene	ND		1.00	0.540	ug/L			05/15/25 18:55	1
Bromoform	ND		5.00	0.250	ug/L			05/15/25 18:55	1
Bromomethane	ND		1.00	0.980	ug/L			05/15/25 18:55	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			05/15/25 18:55	1
Carbon disulfide	ND		1.00	0.500	ug/L			05/15/25 18:55	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			05/15/25 18:55	1
Chlorobenzene	ND		1.00	0.420	ug/L			05/15/25 18:55	1
Chlorobromomethane	ND		1.00	0.520	ug/L			05/15/25 18:55	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			05/15/25 18:55	1
Chloroethane	ND		1.00	0.760	ug/L			05/15/25 18:55	1
Chloroform	ND		1.00	0.900	ug/L			05/15/25 18:55	1
Chloromethane	2.25		1.00	0.400	ug/L			05/15/25 18:55	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			05/15/25 18:55	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			05/15/25 18:55	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			05/15/25 18:55	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			05/15/25 18:55	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			05/15/25 18:55	1
Dibromomethane	ND		5.00	0.220	ug/L			05/15/25 18:55	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			05/15/25 18:55	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			05/15/25 18:55	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			05/15/25 18:55	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			05/15/25 18:55	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			05/15/25 18:55	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			05/15/25 18:55	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			05/15/25 18:55	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			05/15/25 18:55	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			05/15/25 18:55	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			05/15/25 18:55	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			05/15/25 18:55	1
Ethyl acetate	ND		10.0	6.14	ug/L			05/15/25 18:55	1
Ethylbenzene	ND		1.00	0.500	ug/L			05/15/25 18:55	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			05/15/25 18:55	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			05/15/25 18:55	1
Hexane	ND		1.00	0.960	ug/L			05/15/25 18:55	1
2-Hexanone	ND		25.0	4.26	ug/L			05/15/25 18:55	1
Iodomethane	ND		1.00	0.900	ug/L			05/15/25 18:55	1
Isopropylbenzene	ND		1.00	0.530	ug/L			05/15/25 18:55	1
Isopropyl ether	ND		1.00	0.740	ug/L			05/15/25 18:55	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			05/15/25 18:55	1
Methylene Chloride	ND		5.00	3.00	ug/L			05/15/25 18:55	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			05/15/25 18:55	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			05/15/25 18:55	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			05/15/25 18:55	1
Naphthalene	ND		5.00	3.00	ug/L			05/15/25 18:55	1
n-Butylbenzene	ND	*+	1.00	0.760	ug/L			05/15/25 18:55	1
n-Heptane	ND		1.00	0.210	ug/L			05/15/25 18:55	1
N-Propylbenzene	ND		1.00	0.690	ug/L			05/15/25 18:55	1

Eurofins Pensacola

Client Sample Results

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: MW-8

Lab Sample ID: 400-275450-8

Date Collected: 05/06/25 12:15

Matrix: Water

Date Received: 05/07/25 09:50

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			05/15/25 18:55	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			05/15/25 18:55	1
Styrene	ND		1.00	1.00	ug/L			05/15/25 18:55	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			05/15/25 18:55	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			05/15/25 18:55	1
1,1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			05/15/25 18:55	1
Tetrachloroethene	ND		1.00	0.330	ug/L			05/15/25 18:55	1
Toluene	ND		1.00	0.900	ug/L			05/15/25 18:55	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			05/15/25 18:55	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			05/15/25 18:55	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			05/15/25 18:55	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			05/15/25 18:55	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			05/15/25 18:55	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			05/15/25 18:55	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			05/15/25 18:55	1
Trichloroethene	ND		1.00	0.150	ug/L			05/15/25 18:55	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			05/15/25 18:55	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			05/15/25 18:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			05/15/25 18:55	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			05/15/25 18:55	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			05/15/25 18:55	1
Vinyl acetate	ND		25.0	0.930	ug/L			05/15/25 18:55	1
Vinyl chloride	ND		1.00	0.500	ug/L			05/15/25 18:55	1
Xylenes, Total	ND		10.0	6.00	ug/L			05/15/25 18:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	109		56 - 136		05/15/25 18:55	1
Dibromofluoromethane	93		79 - 130		05/15/25 18:55	1
1,2-Dichloroethane-d4 (Surr)	89		59 - 146		05/15/25 18:55	1
Toluene-d8 (Surr)	102		64 - 132		05/15/25 18:55	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	0.692		0.280	0.280	ug/L		05/13/25 07:00	05/16/25 18:14	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	23		10 - 140	05/13/25 07:00	05/16/25 18:14	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		8.85	0.372	ug/L		05/13/25 07:00	05/16/25 15:08	1
2,4,5-Trichlorophenol	ND		8.85	0.478	ug/L		05/13/25 07:00	05/16/25 15:08	1
2,4,6-Trichlorophenol	ND		8.85	0.965	ug/L		05/13/25 07:00	05/16/25 15:08	1
2,4-Dichlorophenol	ND		8.85	0.504	ug/L		05/13/25 07:00	05/16/25 15:08	1
2,4-Dimethylphenol	ND		8.85	0.212	ug/L		05/13/25 07:00	05/16/25 15:08	1
2,4-Dinitrophenol	ND		26.5	4.14	ug/L		05/13/25 07:00	05/16/25 15:08	1
2,4-Dinitrotoluene	ND		8.85	0.575	ug/L		05/13/25 07:00	05/16/25 15:08	1
2,6-Dinitrotoluene	ND		8.85	0.257	ug/L		05/13/25 07:00	05/16/25 15:08	1
2-Chloronaphthalene	ND		8.85	0.336	ug/L		05/13/25 07:00	05/16/25 15:08	1
2-Chlorophenol	ND		8.85	0.743	ug/L		05/13/25 07:00	05/16/25 15:08	1
2-Methylnaphthalene	ND		8.85	0.717	ug/L		05/13/25 07:00	05/16/25 15:08	1

Eurofins Pensacola

Client Sample Results

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: MW-8

Lab Sample ID: 400-275450-8

Date Collected: 05/06/25 12:15

Matrix: Water

Date Received: 05/07/25 09:50

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		8.85	0.673	ug/L		05/13/25 07:00	05/16/25 15:08	1
2-Nitroaniline	ND		8.85	1.21	ug/L		05/13/25 07:00	05/16/25 15:08	1
2-Nitrophenol	ND		8.85	1.04	ug/L		05/13/25 07:00	05/16/25 15:08	1
3 & 4 Methylphenol	ND		17.7	4.07	ug/L		05/13/25 07:00	05/16/25 15:08	1
3,3'-Dichlorobenzidine	ND		9.73	0.363	ug/L		05/13/25 07:00	05/16/25 15:08	1
3-Nitroaniline	ND		8.85	0.841	ug/L		05/13/25 07:00	05/16/25 15:08	1
4,6-Dinitro-2-methylphenol	ND		8.85	1.74	ug/L		05/13/25 07:00	05/16/25 15:08	1
4-Bromophenyl phenyl ether	ND		8.85	0.115	ug/L		05/13/25 07:00	05/16/25 15:08	1
4-Chloro-3-methylphenol	ND		8.85	0.646	ug/L		05/13/25 07:00	05/16/25 15:08	1
4-Chloroaniline	ND		8.85	0.248	ug/L		05/13/25 07:00	05/16/25 15:08	1
4-Chlorophenyl phenyl ether	ND		8.85	0.212	ug/L		05/13/25 07:00	05/16/25 15:08	1
4-Nitroaniline	ND		8.85	3.10	ug/L		05/13/25 07:00	05/16/25 15:08	1
4-Nitrophenol	ND		8.85	2.42	ug/L		05/13/25 07:00	05/16/25 15:08	1
Acenaphthene	ND		8.85	0.558	ug/L		05/13/25 07:00	05/16/25 15:08	1
Acenaphthylene	ND		8.85	0.673	ug/L		05/13/25 07:00	05/16/25 15:08	1
Acetophenone	ND		8.85	2.83	ug/L		05/13/25 07:00	05/16/25 15:08	1
Anthracene	ND		8.85	0.805	ug/L		05/13/25 07:00	05/16/25 15:08	1
Atrazine	ND		8.85	1.00	ug/L		05/13/25 07:00	05/16/25 15:08	1
Benzaldehyde	ND		8.85	0.593	ug/L		05/13/25 07:00	05/16/25 15:08	1
Benzo[a]anthracene	ND		8.85	0.885	ug/L		05/13/25 07:00	05/16/25 15:08	1
Benzo[a]pyrene	ND		8.85	0.973	ug/L		05/13/25 07:00	05/16/25 15:08	1
Benzo[b]fluoranthene	ND		8.85	1.06	ug/L		05/13/25 07:00	05/16/25 15:08	1
Benzo[g,h,i]perylene	ND		8.85	1.33	ug/L		05/13/25 07:00	05/16/25 15:08	1
Benzo[k]fluoranthene	ND		8.85	1.33	ug/L		05/13/25 07:00	05/16/25 15:08	1
bis (2-chloroisopropyl) ether	ND		8.85	0.823	ug/L		05/13/25 07:00	05/16/25 15:08	1
Bis(2-chloroethoxy)methane	ND		8.85	0.301	ug/L		05/13/25 07:00	05/16/25 15:08	1
Bis(2-chloroethyl)ether	ND		8.85	0.646	ug/L		05/13/25 07:00	05/16/25 15:08	1
Bis(2-ethylhexyl) phthalate	ND		8.85	3.54	ug/L		05/13/25 07:00	05/16/25 15:08	1
Butyl benzyl phthalate	ND		8.85	3.54	ug/L		05/13/25 07:00	05/16/25 15:08	1
Caprolactam	ND		8.85	2.12	ug/L		05/13/25 07:00	05/16/25 15:08	1
Carbazole	ND		8.85	0.283	ug/L		05/13/25 07:00	05/16/25 15:08	1
Chrysene	ND *		8.85	1.06	ug/L		05/13/25 07:00	05/16/25 15:08	1
Dibenz(a,h)anthracene	ND		8.85	1.15	ug/L		05/13/25 07:00	05/16/25 15:08	1
Dibenzofuran	ND		8.85	0.566	ug/L		05/13/25 07:00	05/16/25 15:08	1
Diethyl phthalate	ND		8.85	3.54	ug/L		05/13/25 07:00	05/16/25 15:08	1
Dimethyl phthalate	ND		8.85	3.54	ug/L		05/13/25 07:00	05/16/25 15:08	1
Di-n-butyl phthalate	ND		8.85	3.54	ug/L		05/13/25 07:00	05/16/25 15:08	1
Di-n-octyl phthalate	ND		8.85	3.54	ug/L		05/13/25 07:00	05/16/25 15:08	1
Fluoranthene	ND		8.85	0.558	ug/L		05/13/25 07:00	05/16/25 15:08	1
Fluorene	ND		8.85	0.593	ug/L		05/13/25 07:00	05/16/25 15:08	1
Hexachlorobenzene	ND		8.85	0.221	ug/L		05/13/25 07:00	05/16/25 15:08	1
Hexachlorobutadiene	ND		8.85	0.487	ug/L		05/13/25 07:00	05/16/25 15:08	1
Hexachlorocyclopentadiene	ND		17.7	0.283	ug/L		05/13/25 07:00	05/16/25 15:08	1
Hexachloroethane	ND		8.85	0.469	ug/L		05/13/25 07:00	05/16/25 15:08	1
Indeno[1,2,3-cd]pyrene	ND		8.85	0.973	ug/L		05/13/25 07:00	05/16/25 15:08	1
Isophorone	ND		8.85	0.708	ug/L		05/13/25 07:00	05/16/25 15:08	1
Naphthalene	ND		8.85	0.664	ug/L		05/13/25 07:00	05/16/25 15:08	1
Nitrobenzene	ND		8.85	0.531	ug/L		05/13/25 07:00	05/16/25 15:08	1
N-Nitrosodi-n-propylamine	ND		8.85	0.292	ug/L		05/13/25 07:00	05/16/25 15:08	1

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Client Sample Results

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: MW-8

Lab Sample ID: 400-275450-8

Date Collected: 05/06/25 12:15

Matrix: Water

Date Received: 05/07/25 09:50

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		8.85	0.168	ug/L		05/13/25 07:00	05/16/25 15:08	1
Pentachlorophenol	ND		8.85	2.48	ug/L		05/13/25 07:00	05/16/25 15:08	1
Phenanthrene	ND		8.85	0.655	ug/L		05/13/25 07:00	05/16/25 15:08	1
Phenol	ND		8.85	0.602	ug/L		05/13/25 07:00	05/16/25 15:08	1
Pyrene	ND		8.85	0.558	ug/L		05/13/25 07:00	05/16/25 15:08	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	63		10 - 150				05/13/25 07:00	05/16/25 15:08	1
2-Fluorobiphenyl (Surr)	61		15 - 150				05/13/25 07:00	05/16/25 15:08	1
2-Fluorophenol (Surr)	70		10 - 150				05/13/25 07:00	05/16/25 15:08	1
Nitrobenzene-d5 (Surr)	69		50 - 150				05/13/25 07:00	05/16/25 15:08	1
Phenol-d5 (Surr)	73		10 - 150				05/13/25 07:00	05/16/25 15:08	1
Terphenyl-d14 (Surr)	45		43 - 147				05/13/25 07:00	05/16/25 15:08	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			05/07/25 22:27	1
Sulfate	74.9		5.00	1.95	mg/L			05/09/25 04:42	5

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		05/12/25 05:33	05/12/25 14:01	1
Arsenic	ND		3.00	0.860	ug/L		05/12/25 05:33	05/12/25 14:01	1
Barium	104		5.00	0.890	ug/L		05/12/25 05:33	05/12/25 14:01	1
Beryllium	ND		0.500	0.200	ug/L		05/12/25 05:33	05/12/25 14:01	1
Cadmium	ND		0.500	0.0780	ug/L		05/12/25 05:33	05/12/25 14:01	1
Chromium	ND		5.00	1.20	ug/L		05/12/25 05:33	05/12/25 14:01	1
Cobalt	0.340	J	0.500	0.220	ug/L		05/12/25 05:33	05/12/25 14:01	1
Copper	1.36	J	5.00	1.08	ug/L		05/12/25 05:33	05/12/25 14:01	1
Lead	0.500	J	2.50	0.210	ug/L		05/12/25 05:33	05/12/25 14:01	1
Manganese	65.6		5.00	2.20	ug/L		05/12/25 05:33	05/12/25 14:01	1
Nickel	1.97	J	5.00	0.420	ug/L		05/12/25 05:33	05/12/25 14:01	1
Selenium	ND		2.50	0.990	ug/L		05/12/25 05:33	05/12/25 14:01	1
Silver	ND		1.00	0.390	ug/L		05/12/25 05:33	05/12/25 14:01	1
Thallium	ND		1.00	0.260	ug/L		05/12/25 05:33	05/12/25 14:01	1
Vanadium	4.95	J	10.0	0.630	ug/L		05/12/25 05:33	05/12/25 14:01	1
Zinc	6.09	J	20.0	2.80	ug/L		05/12/25 05:33	05/12/25 14:01	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		05/12/25 12:55	05/12/25 17:59	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			05/14/25 12:47	1

Client Sample Results

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: MW-9

Lab Sample ID: 400-275450-9

Date Collected: 05/06/25 10:50

Matrix: Water

Date Received: 05/07/25 09:50

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			05/15/25 19:20	1
Benzene	0.509	J	1.00	0.500	ug/L			05/15/25 19:20	1
Bromobenzene	ND		1.00	0.540	ug/L			05/15/25 19:20	1
Bromoform	ND		5.00	0.250	ug/L			05/15/25 19:20	1
Bromomethane	ND		1.00	0.980	ug/L			05/15/25 19:20	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			05/15/25 19:20	1
Carbon disulfide	ND		1.00	0.500	ug/L			05/15/25 19:20	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			05/15/25 19:20	1
Chlorobenzene	ND		1.00	0.420	ug/L			05/15/25 19:20	1
Chlorobromomethane	ND		1.00	0.520	ug/L			05/15/25 19:20	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			05/15/25 19:20	1
Chloroethane	ND		1.00	0.760	ug/L			05/15/25 19:20	1
Chloroform	ND		1.00	0.900	ug/L			05/15/25 19:20	1
Chloromethane	1.72		1.00	0.400	ug/L			05/15/25 19:20	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			05/15/25 19:20	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			05/15/25 19:20	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			05/15/25 19:20	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			05/15/25 19:20	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			05/15/25 19:20	1
Dibromomethane	ND		5.00	0.220	ug/L			05/15/25 19:20	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			05/15/25 19:20	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			05/15/25 19:20	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			05/15/25 19:20	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			05/15/25 19:20	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			05/15/25 19:20	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			05/15/25 19:20	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			05/15/25 19:20	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			05/15/25 19:20	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			05/15/25 19:20	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			05/15/25 19:20	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			05/15/25 19:20	1
Ethyl acetate	6.79	J	10.0	6.14	ug/L			05/15/25 19:20	1
Ethylbenzene	ND		1.00	0.500	ug/L			05/15/25 19:20	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			05/15/25 19:20	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			05/15/25 19:20	1
Hexane	ND		1.00	0.960	ug/L			05/15/25 19:20	1
2-Hexanone	ND		25.0	4.26	ug/L			05/15/25 19:20	1
Iodomethane	ND		1.00	0.900	ug/L			05/15/25 19:20	1
Isopropylbenzene	ND		1.00	0.530	ug/L			05/15/25 19:20	1
Isopropyl ether	ND		1.00	0.740	ug/L			05/15/25 19:20	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			05/15/25 19:20	1
Methylene Chloride	ND		5.00	3.00	ug/L			05/15/25 19:20	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			05/15/25 19:20	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			05/15/25 19:20	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			05/15/25 19:20	1
Naphthalene	ND		5.00	3.00	ug/L			05/15/25 19:20	1
n-Butylbenzene	ND	*+	1.00	0.760	ug/L			05/15/25 19:20	1
n-Heptane	ND		1.00	0.210	ug/L			05/15/25 19:20	1
N-Propylbenzene	ND		1.00	0.690	ug/L			05/15/25 19:20	1

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Client Sample Results

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: MW-9

Lab Sample ID: 400-275450-9

Date Collected: 05/06/25 10:50

Matrix: Water

Date Received: 05/07/25 09:50

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			05/15/25 19:20	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			05/15/25 19:20	1
Styrene	ND		1.00	1.00	ug/L			05/15/25 19:20	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			05/15/25 19:20	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			05/15/25 19:20	1
1,1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			05/15/25 19:20	1
Tetrachloroethene	ND		1.00	0.330	ug/L			05/15/25 19:20	1
Toluene	ND		1.00	0.900	ug/L			05/15/25 19:20	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			05/15/25 19:20	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			05/15/25 19:20	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			05/15/25 19:20	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			05/15/25 19:20	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			05/15/25 19:20	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			05/15/25 19:20	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			05/15/25 19:20	1
Trichloroethene	ND		1.00	0.150	ug/L			05/15/25 19:20	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			05/15/25 19:20	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			05/15/25 19:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			05/15/25 19:20	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			05/15/25 19:20	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			05/15/25 19:20	1
Vinyl acetate	ND		25.0	0.930	ug/L			05/15/25 19:20	1
Vinyl chloride	ND		1.00	0.500	ug/L			05/15/25 19:20	1
Xylenes, Total	ND		10.0	6.00	ug/L			05/15/25 19:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	111		56 - 136		05/15/25 19:20	1
Dibromofluoromethane	92		79 - 130		05/15/25 19:20	1
1,2-Dichloroethane-d4 (Surr)	92		59 - 146		05/15/25 19:20	1
Toluene-d8 (Surr)	103		64 - 132		05/15/25 19:20	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		0.294	0.294	ug/L		05/13/25 07:00	05/16/25 18:36	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	20		10 - 140	05/13/25 07:00	05/16/25 18:36	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		8.90	0.374	ug/L		05/13/25 07:00	05/16/25 15:40	1
2,4,5-Trichlorophenol	ND		8.90	0.481	ug/L		05/13/25 07:00	05/16/25 15:40	1
2,4,6-Trichlorophenol	ND		8.90	0.970	ug/L		05/13/25 07:00	05/16/25 15:40	1
2,4-Dichlorophenol	ND		8.90	0.507	ug/L		05/13/25 07:00	05/16/25 15:40	1
2,4-Dimethylphenol	ND		8.90	0.214	ug/L		05/13/25 07:00	05/16/25 15:40	1
2,4-Dinitrophenol	ND		26.7	4.17	ug/L		05/13/25 07:00	05/16/25 15:40	1
2,4-Dinitrotoluene	ND		8.90	0.579	ug/L		05/13/25 07:00	05/16/25 15:40	1
2,6-Dinitrotoluene	ND		8.90	0.258	ug/L		05/13/25 07:00	05/16/25 15:40	1
2-Chloronaphthalene	ND		8.90	0.338	ug/L		05/13/25 07:00	05/16/25 15:40	1
2-Chlorophenol	ND		8.90	0.748	ug/L		05/13/25 07:00	05/16/25 15:40	1
2-Methylnaphthalene	ND		8.90	0.721	ug/L		05/13/25 07:00	05/16/25 15:40	1

Eurofins Pensacola

Client Sample Results

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: MW-9

Lab Sample ID: 400-275450-9

Date Collected: 05/06/25 10:50

Matrix: Water

Date Received: 05/07/25 09:50

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		8.90	0.677	ug/L		05/13/25 07:00	05/16/25 15:40	1
2-Nitroaniline	ND		8.90	1.22	ug/L		05/13/25 07:00	05/16/25 15:40	1
2-Nitrophenol	ND		8.90	1.04	ug/L		05/13/25 07:00	05/16/25 15:40	1
3 & 4 Methylphenol	ND		17.8	4.09	ug/L		05/13/25 07:00	05/16/25 15:40	1
3,3'-Dichlorobenzidine	ND		9.79	0.365	ug/L		05/13/25 07:00	05/16/25 15:40	1
3-Nitroaniline	ND		8.90	0.846	ug/L		05/13/25 07:00	05/16/25 15:40	1
4,6-Dinitro-2-methylphenol	ND		8.90	1.75	ug/L		05/13/25 07:00	05/16/25 15:40	1
4-Bromophenyl phenyl ether	ND		8.90	0.116	ug/L		05/13/25 07:00	05/16/25 15:40	1
4-Chloro-3-methylphenol	ND		8.90	0.650	ug/L		05/13/25 07:00	05/16/25 15:40	1
4-Chloroaniline	ND		8.90	0.249	ug/L		05/13/25 07:00	05/16/25 15:40	1
4-Chlorophenyl phenyl ether	ND		8.90	0.214	ug/L		05/13/25 07:00	05/16/25 15:40	1
4-Nitroaniline	ND		8.90	3.12	ug/L		05/13/25 07:00	05/16/25 15:40	1
4-Nitrophenol	ND		8.90	2.44	ug/L		05/13/25 07:00	05/16/25 15:40	1
Acenaphthene	ND		8.90	0.561	ug/L		05/13/25 07:00	05/16/25 15:40	1
Acenaphthylene	ND		8.90	0.677	ug/L		05/13/25 07:00	05/16/25 15:40	1
Acetophenone	ND		8.90	2.85	ug/L		05/13/25 07:00	05/16/25 15:40	1
Anthracene	ND		8.90	0.810	ug/L		05/13/25 07:00	05/16/25 15:40	1
Atrazine	ND		8.90	1.01	ug/L		05/13/25 07:00	05/16/25 15:40	1
Benzaldehyde	ND		8.90	0.596	ug/L		05/13/25 07:00	05/16/25 15:40	1
Benzo[a]anthracene	ND		8.90	0.890	ug/L		05/13/25 07:00	05/16/25 15:40	1
Benzo[a]pyrene	ND		8.90	0.979	ug/L		05/13/25 07:00	05/16/25 15:40	1
Benzo[b]fluoranthene	ND		8.90	1.07	ug/L		05/13/25 07:00	05/16/25 15:40	1
Benzo[g,h,i]perylene	ND		8.90	1.34	ug/L		05/13/25 07:00	05/16/25 15:40	1
Benzo[k]fluoranthene	ND		8.90	1.34	ug/L		05/13/25 07:00	05/16/25 15:40	1
bis (2-chloroisopropyl) ether	ND		8.90	0.828	ug/L		05/13/25 07:00	05/16/25 15:40	1
Bis(2-chloroethoxy)methane	ND		8.90	0.303	ug/L		05/13/25 07:00	05/16/25 15:40	1
Bis(2-chloroethyl)ether	ND		8.90	0.650	ug/L		05/13/25 07:00	05/16/25 15:40	1
Bis(2-ethylhexyl) phthalate	ND		8.90	3.56	ug/L		05/13/25 07:00	05/16/25 15:40	1
Butyl benzyl phthalate	ND		8.90	3.56	ug/L		05/13/25 07:00	05/16/25 15:40	1
Caprolactam	ND		8.90	2.14	ug/L		05/13/25 07:00	05/16/25 15:40	1
Carbazole	ND		8.90	0.285	ug/L		05/13/25 07:00	05/16/25 15:40	1
Chrysene	ND	*	8.90	1.07	ug/L		05/13/25 07:00	05/16/25 15:40	1
Dibenz(a,h)anthracene	ND		8.90	1.16	ug/L		05/13/25 07:00	05/16/25 15:40	1
Dibenzofuran	ND		8.90	0.570	ug/L		05/13/25 07:00	05/16/25 15:40	1
Diethyl phthalate	ND		8.90	3.56	ug/L		05/13/25 07:00	05/16/25 15:40	1
Dimethyl phthalate	ND		8.90	3.56	ug/L		05/13/25 07:00	05/16/25 15:40	1
Di-n-butyl phthalate	ND		8.90	3.56	ug/L		05/13/25 07:00	05/16/25 15:40	1
Di-n-octyl phthalate	ND		8.90	3.56	ug/L		05/13/25 07:00	05/16/25 15:40	1
Fluoranthene	ND		8.90	0.561	ug/L		05/13/25 07:00	05/16/25 15:40	1
Fluorene	ND		8.90	0.596	ug/L		05/13/25 07:00	05/16/25 15:40	1
Hexachlorobenzene	ND		8.90	0.223	ug/L		05/13/25 07:00	05/16/25 15:40	1
Hexachlorobutadiene	ND		8.90	0.490	ug/L		05/13/25 07:00	05/16/25 15:40	1
Hexachlorocyclopentadiene	ND		17.8	0.285	ug/L		05/13/25 07:00	05/16/25 15:40	1
Hexachloroethane	ND		8.90	0.472	ug/L		05/13/25 07:00	05/16/25 15:40	1
Indeno[1,2,3-cd]pyrene	ND		8.90	0.979	ug/L		05/13/25 07:00	05/16/25 15:40	1
Isophorone	ND		8.90	0.712	ug/L		05/13/25 07:00	05/16/25 15:40	1
Naphthalene	ND		8.90	0.668	ug/L		05/13/25 07:00	05/16/25 15:40	1
Nitrobenzene	ND		8.90	0.534	ug/L		05/13/25 07:00	05/16/25 15:40	1
N-Nitrosodi-n-propylamine	ND		8.90	0.294	ug/L		05/13/25 07:00	05/16/25 15:40	1

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Client Sample Results

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: MW-9

Lab Sample ID: 400-275450-9

Date Collected: 05/06/25 10:50

Matrix: Water

Date Received: 05/07/25 09:50

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		8.90	0.169	ug/L		05/13/25 07:00	05/16/25 15:40	1
Pentachlorophenol	ND		8.90	2.49	ug/L		05/13/25 07:00	05/16/25 15:40	1
Phenanthrene	ND		8.90	0.659	ug/L		05/13/25 07:00	05/16/25 15:40	1
Phenol	ND		8.90	0.605	ug/L		05/13/25 07:00	05/16/25 15:40	1
Pyrene	ND		8.90	0.561	ug/L		05/13/25 07:00	05/16/25 15:40	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	53		10 - 150				05/13/25 07:00	05/16/25 15:40	1
2-Fluorobiphenyl (Surr)	56		15 - 150				05/13/25 07:00	05/16/25 15:40	1
2-Fluorophenol (Surr)	51		10 - 150				05/13/25 07:00	05/16/25 15:40	1
Nitrobenzene-d5 (Surr)	61		50 - 150				05/13/25 07:00	05/16/25 15:40	1
Phenol-d5 (Surr)	50		10 - 150				05/13/25 07:00	05/16/25 15:40	1
Terphenyl-d14 (Surr)	41	S1-	43 - 147				05/13/25 07:00	05/16/25 15:40	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			05/07/25 22:53	1
Sulfate	22.0		1.00	0.390	mg/L			05/07/25 22:53	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		05/12/25 05:33	05/12/25 13:30	1
Arsenic	6.14		3.00	0.860	ug/L		05/12/25 05:33	05/12/25 13:30	1
Barium	282		5.00	0.890	ug/L		05/12/25 05:33	05/12/25 13:30	1
Beryllium	0.385	J	0.500	0.200	ug/L		05/12/25 05:33	05/12/25 13:30	1
Cadmium	ND		0.500	0.0780	ug/L		05/12/25 05:33	05/12/25 13:30	1
Chromium	ND		5.00	1.20	ug/L		05/12/25 05:33	05/12/25 13:30	1
Cobalt	2.52		0.500	0.220	ug/L		05/12/25 05:33	05/12/25 13:30	1
Copper	1.66	J	5.00	1.08	ug/L		05/12/25 05:33	05/12/25 13:30	1
Lead	0.485	J	2.50	0.210	ug/L		05/12/25 05:33	05/12/25 13:30	1
Manganese	836		5.00	2.20	ug/L		05/12/25 05:33	05/12/25 13:30	1
Nickel	6.47		5.00	0.420	ug/L		05/12/25 05:33	05/12/25 13:30	1
Selenium	1.67	J	2.50	0.990	ug/L		05/12/25 05:33	05/12/25 13:30	1
Silver	ND		1.00	0.390	ug/L		05/12/25 05:33	05/12/25 13:30	1
Thallium	ND		1.00	0.260	ug/L		05/12/25 05:33	05/12/25 13:30	1
Vanadium	15.8		10.0	0.630	ug/L		05/12/25 05:33	05/12/25 13:30	1
Zinc	6.04	J	20.0	2.80	ug/L		05/12/25 05:33	05/12/25 13:30	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		05/09/25 12:59	05/09/25 17:32	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			05/14/25 12:49	1

Client Sample Results

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: DUPLICATE-1

Lab Sample ID: 400-275450-10

Date Collected: 05/06/25 10:50

Matrix: Water

Date Received: 05/07/25 09:50

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			05/15/25 19:44	1
Benzene	0.801	J	1.00	0.500	ug/L			05/15/25 19:44	1
Bromobenzene	ND		1.00	0.540	ug/L			05/15/25 19:44	1
Bromoform	ND		5.00	0.250	ug/L			05/15/25 19:44	1
Bromomethane	ND		1.00	0.980	ug/L			05/15/25 19:44	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			05/15/25 19:44	1
Carbon disulfide	ND		1.00	0.500	ug/L			05/15/25 19:44	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			05/15/25 19:44	1
Chlorobenzene	ND		1.00	0.420	ug/L			05/15/25 19:44	1
Chlorobromomethane	ND		1.00	0.520	ug/L			05/15/25 19:44	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			05/15/25 19:44	1
Chloroethane	ND		1.00	0.760	ug/L			05/15/25 19:44	1
Chloroform	ND		1.00	0.900	ug/L			05/15/25 19:44	1
Chloromethane	0.531	J	1.00	0.400	ug/L			05/15/25 19:44	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			05/15/25 19:44	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			05/15/25 19:44	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			05/15/25 19:44	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			05/15/25 19:44	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			05/15/25 19:44	1
Dibromomethane	ND		5.00	0.220	ug/L			05/15/25 19:44	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			05/15/25 19:44	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			05/15/25 19:44	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			05/15/25 19:44	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			05/15/25 19:44	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			05/15/25 19:44	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			05/15/25 19:44	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			05/15/25 19:44	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			05/15/25 19:44	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			05/15/25 19:44	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			05/15/25 19:44	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			05/15/25 19:44	1
Ethyl acetate	ND		10.0	6.14	ug/L			05/15/25 19:44	1
Ethylbenzene	ND		1.00	0.500	ug/L			05/15/25 19:44	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			05/15/25 19:44	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			05/15/25 19:44	1
Hexane	ND		1.00	0.960	ug/L			05/15/25 19:44	1
2-Hexanone	ND		25.0	4.26	ug/L			05/15/25 19:44	1
Iodomethane	ND		1.00	0.900	ug/L			05/15/25 19:44	1
Isopropylbenzene	ND		1.00	0.530	ug/L			05/15/25 19:44	1
Isopropyl ether	ND		1.00	0.740	ug/L			05/15/25 19:44	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			05/15/25 19:44	1
Methylene Chloride	ND		5.00	3.00	ug/L			05/15/25 19:44	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			05/15/25 19:44	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			05/15/25 19:44	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			05/15/25 19:44	1
Naphthalene	ND		5.00	3.00	ug/L			05/15/25 19:44	1
n-Butylbenzene	ND	*+	1.00	0.760	ug/L			05/15/25 19:44	1
n-Heptane	ND		1.00	0.210	ug/L			05/15/25 19:44	1
N-Propylbenzene	ND		1.00	0.690	ug/L			05/15/25 19:44	1

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Client Sample Results

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: DUPLICATE-1

Lab Sample ID: 400-275450-10

Date Collected: 05/06/25 10:50

Matrix: Water

Date Received: 05/07/25 09:50

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			05/15/25 19:44	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			05/15/25 19:44	1
Styrene	ND		1.00	1.00	ug/L			05/15/25 19:44	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			05/15/25 19:44	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			05/15/25 19:44	1
1,1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			05/15/25 19:44	1
Tetrachloroethene	ND		1.00	0.330	ug/L			05/15/25 19:44	1
Toluene	ND		1.00	0.900	ug/L			05/15/25 19:44	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			05/15/25 19:44	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			05/15/25 19:44	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			05/15/25 19:44	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			05/15/25 19:44	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			05/15/25 19:44	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			05/15/25 19:44	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			05/15/25 19:44	1
Trichloroethene	ND		1.00	0.150	ug/L			05/15/25 19:44	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			05/15/25 19:44	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			05/15/25 19:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			05/15/25 19:44	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			05/15/25 19:44	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			05/15/25 19:44	1
Vinyl acetate	ND		25.0	0.930	ug/L			05/15/25 19:44	1
Vinyl chloride	ND		1.00	0.500	ug/L			05/15/25 19:44	1
Xylenes, Total	ND		10.0	6.00	ug/L			05/15/25 19:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	112		56 - 136		05/15/25 19:44	1
Dibromofluoromethane	94		79 - 130		05/15/25 19:44	1
1,2-Dichloroethane-d4 (Surr)	91		59 - 146		05/15/25 19:44	1
Toluene-d8 (Surr)	104		64 - 132		05/15/25 19:44	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	2.18		0.292	0.292	ug/L		05/13/25 07:00	05/16/25 18:58	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	26		10 - 140	05/13/25 07:00	05/16/25 18:58	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		8.90	0.374	ug/L		05/13/25 07:00	05/16/25 16:11	1
2,4,5-Trichlorophenol	ND		8.90	0.481	ug/L		05/13/25 07:00	05/16/25 16:11	1
2,4,6-Trichlorophenol	ND		8.90	0.970	ug/L		05/13/25 07:00	05/16/25 16:11	1
2,4-Dichlorophenol	ND		8.90	0.507	ug/L		05/13/25 07:00	05/16/25 16:11	1
2,4-Dimethylphenol	ND		8.90	0.214	ug/L		05/13/25 07:00	05/16/25 16:11	1
2,4-Dinitrophenol	ND		26.7	4.17	ug/L		05/13/25 07:00	05/16/25 16:11	1
2,4-Dinitrotoluene	ND		8.90	0.579	ug/L		05/13/25 07:00	05/16/25 16:11	1
2,6-Dinitrotoluene	ND		8.90	0.258	ug/L		05/13/25 07:00	05/16/25 16:11	1
2-Chloronaphthalene	ND		8.90	0.338	ug/L		05/13/25 07:00	05/16/25 16:11	1
2-Chlorophenol	ND		8.90	0.748	ug/L		05/13/25 07:00	05/16/25 16:11	1
2-Methylnaphthalene	ND		8.90	0.721	ug/L		05/13/25 07:00	05/16/25 16:11	1

Eurofins Pensacola

Client Sample Results

Client: S&ME Inc
 Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: DUPLICATE-1

Lab Sample ID: 400-275450-10

Date Collected: 05/06/25 10:50

Matrix: Water

Date Received: 05/07/25 09:50

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		8.90	0.677	ug/L		05/13/25 07:00	05/16/25 16:11	1
2-Nitroaniline	ND		8.90	1.22	ug/L		05/13/25 07:00	05/16/25 16:11	1
2-Nitrophenol	ND		8.90	1.04	ug/L		05/13/25 07:00	05/16/25 16:11	1
3 & 4 Methylphenol	ND		17.8	4.09	ug/L		05/13/25 07:00	05/16/25 16:11	1
3,3'-Dichlorobenzidine	ND		9.79	0.365	ug/L		05/13/25 07:00	05/16/25 16:11	1
3-Nitroaniline	ND		8.90	0.846	ug/L		05/13/25 07:00	05/16/25 16:11	1
4,6-Dinitro-2-methylphenol	ND		8.90	1.75	ug/L		05/13/25 07:00	05/16/25 16:11	1
4-Bromophenyl phenyl ether	ND		8.90	0.116	ug/L		05/13/25 07:00	05/16/25 16:11	1
4-Chloro-3-methylphenol	ND		8.90	0.650	ug/L		05/13/25 07:00	05/16/25 16:11	1
4-Chloroaniline	ND		8.90	0.249	ug/L		05/13/25 07:00	05/16/25 16:11	1
4-Chlorophenyl phenyl ether	ND		8.90	0.214	ug/L		05/13/25 07:00	05/16/25 16:11	1
4-Nitroaniline	ND		8.90	3.12	ug/L		05/13/25 07:00	05/16/25 16:11	1
4-Nitrophenol	ND		8.90	2.44	ug/L		05/13/25 07:00	05/16/25 16:11	1
Acenaphthene	ND		8.90	0.561	ug/L		05/13/25 07:00	05/16/25 16:11	1
Acenaphthylene	ND		8.90	0.677	ug/L		05/13/25 07:00	05/16/25 16:11	1
Acetophenone	ND		8.90	2.85	ug/L		05/13/25 07:00	05/16/25 16:11	1
Anthracene	ND		8.90	0.810	ug/L		05/13/25 07:00	05/16/25 16:11	1
Atrazine	ND		8.90	1.01	ug/L		05/13/25 07:00	05/16/25 16:11	1
Benzaldehyde	ND		8.90	0.596	ug/L		05/13/25 07:00	05/16/25 16:11	1
Benzo[a]anthracene	ND		8.90	0.890	ug/L		05/13/25 07:00	05/16/25 16:11	1
Benzo[a]pyrene	ND		8.90	0.979	ug/L		05/13/25 07:00	05/16/25 16:11	1
Benzo[b]fluoranthene	ND		8.90	1.07	ug/L		05/13/25 07:00	05/16/25 16:11	1
Benzo[g,h,i]perylene	ND		8.90	1.34	ug/L		05/13/25 07:00	05/16/25 16:11	1
Benzo[k]fluoranthene	ND		8.90	1.34	ug/L		05/13/25 07:00	05/16/25 16:11	1
bis (2-chloroisopropyl) ether	ND		8.90	0.828	ug/L		05/13/25 07:00	05/16/25 16:11	1
Bis(2-chloroethoxy)methane	ND		8.90	0.303	ug/L		05/13/25 07:00	05/16/25 16:11	1
Bis(2-chloroethyl)ether	ND		8.90	0.650	ug/L		05/13/25 07:00	05/16/25 16:11	1
Bis(2-ethylhexyl) phthalate	ND		8.90	3.56	ug/L		05/13/25 07:00	05/16/25 16:11	1
Butyl benzyl phthalate	ND		8.90	3.56	ug/L		05/13/25 07:00	05/16/25 16:11	1
Caprolactam	ND		8.90	2.14	ug/L		05/13/25 07:00	05/16/25 16:11	1
Carbazole	ND		8.90	0.285	ug/L		05/13/25 07:00	05/16/25 16:11	1
Chrysene	ND *		8.90	1.07	ug/L		05/13/25 07:00	05/16/25 16:11	1
Dibenz(a,h)anthracene	ND		8.90	1.16	ug/L		05/13/25 07:00	05/16/25 16:11	1
Dibenzofuran	ND		8.90	0.570	ug/L		05/13/25 07:00	05/16/25 16:11	1
Diethyl phthalate	ND		8.90	3.56	ug/L		05/13/25 07:00	05/16/25 16:11	1
Dimethyl phthalate	ND		8.90	3.56	ug/L		05/13/25 07:00	05/16/25 16:11	1
Di-n-butyl phthalate	ND		8.90	3.56	ug/L		05/13/25 07:00	05/16/25 16:11	1
Di-n-octyl phthalate	ND		8.90	3.56	ug/L		05/13/25 07:00	05/16/25 16:11	1
Fluoranthene	ND		8.90	0.561	ug/L		05/13/25 07:00	05/16/25 16:11	1
Fluorene	ND		8.90	0.596	ug/L		05/13/25 07:00	05/16/25 16:11	1
Hexachlorobenzene	ND		8.90	0.223	ug/L		05/13/25 07:00	05/16/25 16:11	1
Hexachlorobutadiene	ND		8.90	0.490	ug/L		05/13/25 07:00	05/16/25 16:11	1
Hexachlorocyclopentadiene	ND		17.8	0.285	ug/L		05/13/25 07:00	05/16/25 16:11	1
Hexachloroethane	ND		8.90	0.472	ug/L		05/13/25 07:00	05/16/25 16:11	1
Indeno[1,2,3-cd]pyrene	ND		8.90	0.979	ug/L		05/13/25 07:00	05/16/25 16:11	1
Isophorone	ND		8.90	0.712	ug/L		05/13/25 07:00	05/16/25 16:11	1
Naphthalene	ND		8.90	0.668	ug/L		05/13/25 07:00	05/16/25 16:11	1
Nitrobenzene	ND		8.90	0.534	ug/L		05/13/25 07:00	05/16/25 16:11	1
N-Nitrosodi-n-propylamine	ND		8.90	0.294	ug/L		05/13/25 07:00	05/16/25 16:11	1

Eurofins Pensacola

Client Sample Results

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: DUPLICATE-1

Lab Sample ID: 400-275450-10

Date Collected: 05/06/25 10:50

Matrix: Water

Date Received: 05/07/25 09:50

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		8.90	0.169	ug/L		05/13/25 07:00	05/16/25 16:11	1
Pentachlorophenol	ND		8.90	2.49	ug/L		05/13/25 07:00	05/16/25 16:11	1
Phenanthrene	ND		8.90	0.659	ug/L		05/13/25 07:00	05/16/25 16:11	1
Phenol	ND		8.90	0.605	ug/L		05/13/25 07:00	05/16/25 16:11	1
Pyrene	ND		8.90	0.561	ug/L		05/13/25 07:00	05/16/25 16:11	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	49		10 - 150				05/13/25 07:00	05/16/25 16:11	1
2-Fluorobiphenyl (Surr)	53		15 - 150				05/13/25 07:00	05/16/25 16:11	1
2-Fluorophenol (Surr)	64		10 - 150				05/13/25 07:00	05/16/25 16:11	1
Nitrobenzene-d5 (Surr)	62		50 - 150				05/13/25 07:00	05/16/25 16:11	1
Phenol-d5 (Surr)	68		10 - 150				05/13/25 07:00	05/16/25 16:11	1
Terphenyl-d14 (Surr)	40	S1-	43 - 147				05/13/25 07:00	05/16/25 16:11	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.179		0.100	0.0630	mg/L			05/07/25 23:02	1
Sulfate	20.3		1.00	0.390	mg/L			05/07/25 23:02	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		05/12/25 05:33	05/12/25 13:56	1
Arsenic	5.10		3.00	0.860	ug/L		05/12/25 05:33	05/12/25 13:56	1
Barium	294		5.00	0.890	ug/L		05/12/25 05:33	05/12/25 13:56	1
Beryllium	ND		0.500	0.200	ug/L		05/12/25 05:33	05/12/25 13:56	1
Cadmium	ND		0.500	0.0780	ug/L		05/12/25 05:33	05/12/25 13:56	1
Chromium	ND		5.00	1.20	ug/L		05/12/25 05:33	05/12/25 13:56	1
Cobalt	2.25		0.500	0.220	ug/L		05/12/25 05:33	05/12/25 13:56	1
Copper	1.16	J	5.00	1.08	ug/L		05/12/25 05:33	05/12/25 13:56	1
Lead	0.235	J	2.50	0.210	ug/L		05/12/25 05:33	05/12/25 13:56	1
Manganese	752		5.00	2.20	ug/L		05/12/25 05:33	05/12/25 13:56	1
Nickel	5.42		5.00	0.420	ug/L		05/12/25 05:33	05/12/25 13:56	1
Selenium	2.01	J	2.50	0.990	ug/L		05/12/25 05:33	05/12/25 13:56	1
Silver	ND		1.00	0.390	ug/L		05/12/25 05:33	05/12/25 13:56	1
Thallium	ND		1.00	0.260	ug/L		05/12/25 05:33	05/12/25 13:56	1
Vanadium	18.8		10.0	0.630	ug/L		05/12/25 05:33	05/12/25 13:56	1
Zinc	4.36	J	20.0	2.80	ug/L		05/12/25 05:33	05/12/25 13:56	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		05/12/25 12:55	05/12/25 18:06	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			05/14/25 12:52	1

Client Sample Results

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: TRIP BLANKS

Lab Sample ID: 400-275450-11

Date Collected: 05/06/25 00:00

Matrix: Water

Date Received: 05/07/25 09:50

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			05/15/25 15:15	1
Benzene	ND		1.00	0.500	ug/L			05/15/25 15:15	1
Bromobenzene	ND		1.00	0.540	ug/L			05/15/25 15:15	1
Bromoform	ND		5.00	0.250	ug/L			05/15/25 15:15	1
Bromomethane	ND		1.00	0.980	ug/L			05/15/25 15:15	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			05/15/25 15:15	1
Carbon disulfide	ND		1.00	0.500	ug/L			05/15/25 15:15	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			05/15/25 15:15	1
Chlorobenzene	ND		1.00	0.420	ug/L			05/15/25 15:15	1
Chlorobromomethane	ND		1.00	0.520	ug/L			05/15/25 15:15	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			05/15/25 15:15	1
Chloroethane	ND		1.00	0.760	ug/L			05/15/25 15:15	1
Chloroform	ND		1.00	0.900	ug/L			05/15/25 15:15	1
Chloromethane	ND		1.00	0.400	ug/L			05/15/25 15:15	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			05/15/25 15:15	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			05/15/25 15:15	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			05/15/25 15:15	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			05/15/25 15:15	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			05/15/25 15:15	1
Dibromomethane	ND		5.00	0.220	ug/L			05/15/25 15:15	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			05/15/25 15:15	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			05/15/25 15:15	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			05/15/25 15:15	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			05/15/25 15:15	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			05/15/25 15:15	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			05/15/25 15:15	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			05/15/25 15:15	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			05/15/25 15:15	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			05/15/25 15:15	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			05/15/25 15:15	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			05/15/25 15:15	1
Ethyl acetate	ND		10.0	6.14	ug/L			05/15/25 15:15	1
Ethylbenzene	ND		1.00	0.500	ug/L			05/15/25 15:15	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			05/15/25 15:15	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			05/15/25 15:15	1
Hexane	ND		1.00	0.960	ug/L			05/15/25 15:15	1
2-Hexanone	ND		25.0	4.26	ug/L			05/15/25 15:15	1
Iodomethane	ND		1.00	0.900	ug/L			05/15/25 15:15	1
Isopropylbenzene	ND		1.00	0.530	ug/L			05/15/25 15:15	1
Isopropyl ether	ND		1.00	0.740	ug/L			05/15/25 15:15	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			05/15/25 15:15	1
Methylene Chloride	ND		5.00	3.00	ug/L			05/15/25 15:15	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			05/15/25 15:15	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			05/15/25 15:15	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			05/15/25 15:15	1
Naphthalene	ND		5.00	3.00	ug/L			05/15/25 15:15	1
n-Butylbenzene	ND	*+	1.00	0.760	ug/L			05/15/25 15:15	1
n-Heptane	ND		1.00	0.210	ug/L			05/15/25 15:15	1
N-Propylbenzene	ND		1.00	0.690	ug/L			05/15/25 15:15	1

Eurofins Pensacola

Client Sample Results

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: TRIP BLANKS

Lab Sample ID: 400-275450-11

Date Collected: 05/06/25 00:00

Matrix: Water

Date Received: 05/07/25 09:50

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			05/15/25 15:15	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			05/15/25 15:15	1
Styrene	ND		1.00	1.00	ug/L			05/15/25 15:15	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			05/15/25 15:15	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			05/15/25 15:15	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			05/15/25 15:15	1
Tetrachloroethene	ND		1.00	0.330	ug/L			05/15/25 15:15	1
Toluene	ND		1.00	0.900	ug/L			05/15/25 15:15	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			05/15/25 15:15	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			05/15/25 15:15	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			05/15/25 15:15	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			05/15/25 15:15	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			05/15/25 15:15	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			05/15/25 15:15	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			05/15/25 15:15	1
Trichloroethene	ND		1.00	0.150	ug/L			05/15/25 15:15	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			05/15/25 15:15	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			05/15/25 15:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			05/15/25 15:15	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			05/15/25 15:15	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			05/15/25 15:15	1
Vinyl acetate	ND		25.0	0.930	ug/L			05/15/25 15:15	1
Vinyl chloride	ND		1.00	0.500	ug/L			05/15/25 15:15	1
Xylenes, Total	ND		10.0	6.00	ug/L			05/15/25 15:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	109		56 - 136		05/15/25 15:15	1
Dibromofluoromethane	91		79 - 130		05/15/25 15:15	1
1,2-Dichloroethane-d4 (Surr)	89		59 - 146		05/15/25 15:15	1
Toluene-d8 (Surr)	103		64 - 132		05/15/25 15:15	1

Definitions/Glossary

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

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, low biased.
S1-	Surrogate recovery exceeds control limits, low biased.

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
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: City of Durham Parks

Job ID: 400-275450-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		BFB (56-136)	DBFM (79-130)	DCA (59-146)	TOL (64-132)
400-275450-1	MW-1	111	94	92	103
400-275450-2	MW-2	112	92	91	104
400-275450-3	MW-3	110	92	89	101
400-275450-4	MW-4	110	92	89	102
400-275450-5	MW-5	109	91	89	103
400-275450-6	MW-6	110	92	90	102
400-275450-7	MW-7	111	92	91	103
400-275450-8	MW-8	109	93	89	102
400-275450-9	MW-9	111	92	92	103
400-275450-10	DUPLICATE-1	112	94	91	104
400-275450-11	TRIP BLANKS	109	91	89	103
LCS 400-709273/1002	Lab Control Sample	113	93	95	103
MB 400-709273/5	Method Blank	111	92	90	103

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (10-150)	FBP (15-150)	2FP (10-150)	NBZ (50-150)	PHL (10-150)	TPHL (43-147)
400-275450-1	MW-1	57	57	58	62	56	38 S1-
400-275450-2	MW-2	54	53	66	63	70	36 S1-
400-275450-3	MW-3	56	52	67	62	72	34 S1-
400-275450-4	MW-4	57	52	64	63	66	32 S1-
400-275450-5	MW-5	50	53	64	64	70	34 S1-
400-275450-6	MW-6	78	68	103	78	112	51
400-275450-7	MW-7	59	58	60	67	61	42 S1-
400-275450-8	MW-8	63	61	70	69	73	45
400-275450-9	MW-9	53	56	51	61	50	41 S1-
400-275450-10	DUPLICATE-1	49	53	64	62	68	40 S1-
LCS 400-709016/2-A	Lab Control Sample	69	57	66	63	70	52
MB 400-709016/1-A	Method Blank	58	57	58	62	58	56

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: City of Durham Parks

Job ID: 400-275450-1

GC/MS VOA

Analysis Batch: 709273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275450-1	MW-1	Total/NA	Water	8260D	
400-275450-2	MW-2	Total/NA	Water	8260D	
400-275450-3	MW-3	Total/NA	Water	8260D	
400-275450-4	MW-4	Total/NA	Water	8260D	
400-275450-5	MW-5	Total/NA	Water	8260D	
400-275450-6	MW-6	Total/NA	Water	8260D	
400-275450-7	MW-7	Total/NA	Water	8260D	
400-275450-8	MW-8	Total/NA	Water	8260D	
400-275450-9	MW-9	Total/NA	Water	8260D	
400-275450-10	DUPLICATE-1	Total/NA	Water	8260D	
400-275450-11	TRIP BLANKS	Total/NA	Water	8260D	
MB 400-709273/5	Method Blank	Total/NA	Water	8260D	
LCS 400-709273/1002	Lab Control Sample	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 709007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275450-1	MW-1	Total/NA	Water	3510C	
400-275450-2	MW-2	Total/NA	Water	3510C	
400-275450-3	MW-3	Total/NA	Water	3510C	
400-275450-4	MW-4	Total/NA	Water	3510C	
400-275450-5	MW-5	Total/NA	Water	3510C	
400-275450-6	MW-6	Total/NA	Water	3510C	
400-275450-7	MW-7	Total/NA	Water	3510C	
400-275450-8	MW-8	Total/NA	Water	3510C	
400-275450-9	MW-9	Total/NA	Water	3510C	
400-275450-10	DUPLICATE-1	Total/NA	Water	3510C	
MB 400-709007/1-A	Method Blank	Total/NA	Water	3510C	
LCS 400-709007/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 400-709007/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 709016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275450-1	MW-1	Total/NA	Water	3511	
400-275450-2	MW-2	Total/NA	Water	3511	
400-275450-3	MW-3	Total/NA	Water	3511	
400-275450-4	MW-4	Total/NA	Water	3511	
400-275450-5	MW-5	Total/NA	Water	3511	
400-275450-6	MW-6	Total/NA	Water	3511	
400-275450-7	MW-7	Total/NA	Water	3511	
400-275450-8	MW-8	Total/NA	Water	3511	
400-275450-9	MW-9	Total/NA	Water	3511	
400-275450-10	DUPLICATE-1	Total/NA	Water	3511	
MB 400-709016/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-709016/2-A	Lab Control Sample	Total/NA	Water	3511	

Analysis Batch: 709374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-709016/2-A	Lab Control Sample	Total/NA	Water	8270E	709016

QC Association Summary

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

GC/MS Semi VOA

Analysis Batch: 709468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275450-1	MW-1	Total/NA	Water	8270E	709016
400-275450-2	MW-2	Total/NA	Water	8270E	709016
400-275450-3	MW-3	Total/NA	Water	8270E	709016
400-275450-4	MW-4	Total/NA	Water	8270E	709016
400-275450-5	MW-5	Total/NA	Water	8270E	709016
400-275450-6	MW-6	Total/NA	Water	8270E	709016
400-275450-7	MW-7	Total/NA	Water	8270E	709016
400-275450-8	MW-8	Total/NA	Water	8270E	709016
400-275450-9	MW-9	Total/NA	Water	8270E	709016
400-275450-10	DUPLICATE-1	Total/NA	Water	8270E	709016
MB 400-709016/1-A	Method Blank	Total/NA	Water	8270E	709016

Analysis Batch: 709523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275450-1	MW-1	Total/NA	Water	8270E SIM ID	709007
400-275450-2	MW-2	Total/NA	Water	8270E SIM ID	709007
400-275450-3	MW-3	Total/NA	Water	8270E SIM ID	709007
400-275450-4	MW-4	Total/NA	Water	8270E SIM ID	709007
400-275450-5	MW-5	Total/NA	Water	8270E SIM ID	709007
400-275450-6	MW-6	Total/NA	Water	8270E SIM ID	709007
400-275450-7	MW-7	Total/NA	Water	8270E SIM ID	709007
400-275450-8	MW-8	Total/NA	Water	8270E SIM ID	709007
400-275450-9	MW-9	Total/NA	Water	8270E SIM ID	709007
400-275450-10	DUPLICATE-1	Total/NA	Water	8270E SIM ID	709007
MB 400-709007/1-A	Method Blank	Total/NA	Water	8270E SIM ID	709007
LCS 400-709007/2-A	Lab Control Sample	Total/NA	Water	8270E SIM ID	709007
LCSD 400-709007/3-A	Lab Control Sample Dup	Total/NA	Water	8270E SIM ID	709007

HPLC/IC

Analysis Batch: 708443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275450-1	MW-1	Total/NA	Water	9056A	
400-275450-2	MW-2	Total/NA	Water	9056A	
400-275450-3	MW-3	Total/NA	Water	9056A	
400-275450-4	MW-4	Total/NA	Water	9056A	
400-275450-5	MW-5	Total/NA	Water	9056A	
400-275450-6	MW-6	Total/NA	Water	9056A	
400-275450-7	MW-7	Total/NA	Water	9056A	
400-275450-8	MW-8	Total/NA	Water	9056A	
400-275450-9	MW-9	Total/NA	Water	9056A	
400-275450-10	DUPLICATE-1	Total/NA	Water	9056A	
MB 400-708443/5	Method Blank	Total/NA	Water	9056A	
LCS 400-708443/6	Lab Control Sample	Total/NA	Water	9056A	
LCSD 400-708443/7	Lab Control Sample Dup	Total/NA	Water	9056A	

Analysis Batch: 708445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275450-2	MW-2	Total/NA	Water	9056A	
400-275450-3	MW-3	Total/NA	Water	9056A	
400-275450-4	MW-4	Total/NA	Water	9056A	

QC Association Summary

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

HPLC/IC (Continued)

Analysis Batch: 708445 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275450-5	MW-5	Total/NA	Water	9056A	
400-275450-6	MW-6	Total/NA	Water	9056A	
400-275450-7	MW-7	Total/NA	Water	9056A	
400-275450-9	MW-9	Total/NA	Water	9056A	
400-275450-10	DUPLICATE-1	Total/NA	Water	9056A	
MB 400-708445/5	Method Blank	Total/NA	Water	9056A	
LCS 400-708445/6	Lab Control Sample	Total/NA	Water	9056A	
LCSD 400-708445/7	Lab Control Sample Dup	Total/NA	Water	9056A	

Analysis Batch: 708605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275450-1	MW-1	Total/NA	Water	9056A	
400-275450-8	MW-8	Total/NA	Water	9056A	
MB 400-708605/65	Method Blank	Total/NA	Water	9056A	
LCS 400-708605/66	Lab Control Sample	Total/NA	Water	9056A	
LCSD 400-708605/67	Lab Control Sample Dup	Total/NA	Water	9056A	

Metals

Prep Batch: 882086

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275450-2	MW-2	Total/NA	Water	7470A	
400-275450-3	MW-3	Total/NA	Water	7470A	
400-275450-5	MW-5	Total/NA	Water	7470A	
400-275450-7	MW-7	Total/NA	Water	7470A	
400-275450-9	MW-9	Total/NA	Water	7470A	
MB 680-882086/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-882086/2-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 882121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275450-1	MW-1	Total Recoverable	Water	3005A	
400-275450-2	MW-2	Total Recoverable	Water	3005A	
400-275450-3	MW-3	Total Recoverable	Water	3005A	
400-275450-4	MW-4	Total Recoverable	Water	3005A	
400-275450-5	MW-5	Total Recoverable	Water	3005A	
400-275450-6	MW-6	Total Recoverable	Water	3005A	
400-275450-7	MW-7	Total Recoverable	Water	3005A	
400-275450-8	MW-8	Total Recoverable	Water	3005A	
400-275450-9	MW-9	Total Recoverable	Water	3005A	
400-275450-10	DUPLICATE-1	Total Recoverable	Water	3005A	
MB 680-882121/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-882121/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 882133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275450-2	MW-2	Total/NA	Water	7470A	882086
400-275450-3	MW-3	Total/NA	Water	7470A	882086
400-275450-5	MW-5	Total/NA	Water	7470A	882086
400-275450-7	MW-7	Total/NA	Water	7470A	882086
400-275450-9	MW-9	Total/NA	Water	7470A	882086

Eurofins Pensacola

QC Association Summary

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Metals (Continued)

Analysis Batch: 882133 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-882086/1-A	Method Blank	Total/NA	Water	7470A	882086
LCS 680-882086/2-A	Lab Control Sample	Total/NA	Water	7470A	882086

Prep Batch: 882181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275450-1	MW-1	Total/NA	Water	7470A	
400-275450-4	MW-4	Total/NA	Water	7470A	
400-275450-6	MW-6	Total/NA	Water	7470A	
400-275450-8	MW-8	Total/NA	Water	7470A	
400-275450-10	DUPLICATE-1	Total/NA	Water	7470A	
MB 680-882181/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-882181/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 882206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275450-1	MW-1	Total Recoverable	Water	6020B	882121
400-275450-2	MW-2	Total Recoverable	Water	6020B	882121
400-275450-3	MW-3	Total Recoverable	Water	6020B	882121
400-275450-4	MW-4	Total Recoverable	Water	6020B	882121
400-275450-5	MW-5	Total Recoverable	Water	6020B	882121
400-275450-6	MW-6	Total Recoverable	Water	6020B	882121
400-275450-7	MW-7	Total Recoverable	Water	6020B	882121
400-275450-8	MW-8	Total Recoverable	Water	6020B	882121
400-275450-9	MW-9	Total Recoverable	Water	6020B	882121
400-275450-10	DUPLICATE-1	Total Recoverable	Water	6020B	882121
MB 680-882121/1-A	Method Blank	Total Recoverable	Water	6020B	882121
LCS 680-882121/2-A	Lab Control Sample	Total Recoverable	Water	6020B	882121

Analysis Batch: 882212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275450-1	MW-1	Total/NA	Water	7470A	882181
400-275450-4	MW-4	Total/NA	Water	7470A	882181
400-275450-6	MW-6	Total/NA	Water	7470A	882181
400-275450-8	MW-8	Total/NA	Water	7470A	882181
400-275450-10	DUPLICATE-1	Total/NA	Water	7470A	882181
MB 680-882181/1-A	Method Blank	Total/NA	Water	7470A	882181
LCS 680-882181/2-A	Lab Control Sample	Total/NA	Water	7470A	882181

General Chemistry

Analysis Batch: 709196

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275450-1	MW-1	Total/NA	Water	350.1	
400-275450-2	MW-2	Total/NA	Water	350.1	
400-275450-3	MW-3	Total/NA	Water	350.1	
400-275450-4	MW-4	Total/NA	Water	350.1	
400-275450-5	MW-5	Total/NA	Water	350.1	
400-275450-6	MW-6	Total/NA	Water	350.1	
400-275450-7	MW-7	Total/NA	Water	350.1	
400-275450-8	MW-8	Total/NA	Water	350.1	
400-275450-9	MW-9	Total/NA	Water	350.1	

Eurofins Pensacola

QC Association Summary

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

General Chemistry (Continued)

Analysis Batch: 709196 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275450-10	DUPLICATE-1	Total/NA	Water	350.1	
MB 400-709196/62	Method Blank	Total/NA	Water	350.1	
LCS 400-709196/63	Lab Control Sample	Total/NA	Water	350.1	
MRL 400-709196/19	Lab Control Sample	Total/NA	Water	350.1	

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QC Sample Results

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-709273/5
Matrix: Water
Analysis Batch: 709273

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetone	ND		25.0	10.0	ug/L			05/15/25 16:29	1
Benzene	ND		1.00	0.500	ug/L			05/15/25 16:29	1
Bromobenzene	ND		1.00	0.540	ug/L			05/15/25 16:29	1
Bromoform	ND		5.00	0.250	ug/L			05/15/25 16:29	1
Bromomethane	ND		1.00	0.980	ug/L			05/15/25 16:29	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			05/15/25 16:29	1
Carbon disulfide	ND		1.00	0.500	ug/L			05/15/25 16:29	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			05/15/25 16:29	1
Chlorobenzene	ND		1.00	0.420	ug/L			05/15/25 16:29	1
Chlorobromomethane	ND		1.00	0.520	ug/L			05/15/25 16:29	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			05/15/25 16:29	1
Chloroethane	ND		1.00	0.760	ug/L			05/15/25 16:29	1
Chloroform	ND		1.00	0.900	ug/L			05/15/25 16:29	1
Chloromethane	ND		1.00	0.400	ug/L			05/15/25 16:29	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			05/15/25 16:29	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			05/15/25 16:29	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			05/15/25 16:29	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			05/15/25 16:29	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			05/15/25 16:29	1
Dibromomethane	ND		5.00	0.220	ug/L			05/15/25 16:29	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			05/15/25 16:29	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			05/15/25 16:29	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			05/15/25 16:29	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			05/15/25 16:29	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			05/15/25 16:29	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			05/15/25 16:29	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			05/15/25 16:29	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			05/15/25 16:29	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			05/15/25 16:29	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			05/15/25 16:29	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			05/15/25 16:29	1
Ethyl acetate	ND		10.0	6.14	ug/L			05/15/25 16:29	1
Ethylbenzene	ND		1.00	0.500	ug/L			05/15/25 16:29	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			05/15/25 16:29	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			05/15/25 16:29	1
Hexane	ND		1.00	0.960	ug/L			05/15/25 16:29	1
2-Hexanone	ND		25.0	4.26	ug/L			05/15/25 16:29	1
Iodomethane	ND		1.00	0.900	ug/L			05/15/25 16:29	1
Isopropylbenzene	ND		1.00	0.530	ug/L			05/15/25 16:29	1
Isopropyl ether	ND		1.00	0.740	ug/L			05/15/25 16:29	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			05/15/25 16:29	1
Methylene Chloride	ND		5.00	3.00	ug/L			05/15/25 16:29	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			05/15/25 16:29	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			05/15/25 16:29	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			05/15/25 16:29	1
Naphthalene	ND		5.00	3.00	ug/L			05/15/25 16:29	1
n-Butylbenzene	ND		1.00	0.760	ug/L			05/15/25 16:29	1
n-Heptane	ND		1.00	0.210	ug/L			05/15/25 16:29	1

QC Sample Results

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-709273/5
Matrix: Water
Analysis Batch: 709273

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			05/15/25 16:29	1
o-Xylene	ND		5.00	3.00	ug/L			05/15/25 16:29	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			05/15/25 16:29	1
Styrene	ND		1.00	1.00	ug/L			05/15/25 16:29	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			05/15/25 16:29	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			05/15/25 16:29	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			05/15/25 16:29	1
Tetrachloroethene	ND		1.00	0.330	ug/L			05/15/25 16:29	1
Toluene	ND		1.00	0.900	ug/L			05/15/25 16:29	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			05/15/25 16:29	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			05/15/25 16:29	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			05/15/25 16:29	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			05/15/25 16:29	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			05/15/25 16:29	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			05/15/25 16:29	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			05/15/25 16:29	1
Trichloroethene	ND		1.00	0.150	ug/L			05/15/25 16:29	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			05/15/25 16:29	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			05/15/25 16:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			05/15/25 16:29	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			05/15/25 16:29	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			05/15/25 16:29	1
Vinyl acetate	ND		25.0	0.930	ug/L			05/15/25 16:29	1
Vinyl chloride	ND		1.00	0.500	ug/L			05/15/25 16:29	1
Xylenes, Total	ND		10.0	6.00	ug/L			05/15/25 16:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	111		56 - 136		05/15/25 16:29	1
Dibromofluoromethane	92		79 - 130		05/15/25 16:29	1
1,2-Dichloroethane-d4 (Surr)	90		59 - 146		05/15/25 16:29	1
Toluene-d8 (Surr)	103		64 - 132		05/15/25 16:29	1

Lab Sample ID: LCS 400-709273/1002
Matrix: Water
Analysis Batch: 709273

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	219.4		ug/L		110	43 - 150
Benzene	50.0	51.30		ug/L		103	70 - 130
Bromobenzene	50.0	50.98		ug/L		102	70 - 132
Bromoform	50.0	44.69		ug/L		89	57 - 140
Bromomethane	50.0	39.71		ug/L		79	10 - 150
2-Butanone (MEK)	200	198.6		ug/L		99	61 - 145
Carbon disulfide	50.0	47.24		ug/L		94	61 - 137
Carbon tetrachloride	50.0	43.49		ug/L		87	61 - 137
Chlorobenzene	50.0	50.80		ug/L		102	70 - 130
Chlorobromomethane	50.0	46.89		ug/L		94	70 - 130
Chlorodibromomethane	50.0	46.96		ug/L		94	67 - 135

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QC Sample Results

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-709273/1002
Matrix: Water
Analysis Batch: 709273

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	52.26		ug/L		105	55 - 141
Chloroform	50.0	48.26		ug/L		97	69 - 130
Chloromethane	50.0	47.99		ug/L		96	58 - 137
2-Chlorotoluene	50.0	60.49		ug/L		121	70 - 130
4-Chlorotoluene	50.0	60.41		ug/L		121	70 - 130
cis-1,2-Dichloroethene	50.0	48.72		ug/L		97	68 - 130
cis-1,3-Dichloropropene	50.0	50.84		ug/L		102	69 - 132
1,2-Dibromo-3-Chloropropane	50.0	42.73		ug/L		85	54 - 135
Dibromomethane	50.0	47.61		ug/L		95	70 - 130
1,2-Dichlorobenzene	50.0	53.52		ug/L		107	67 - 130
1,3-Dichlorobenzene	50.0	55.49		ug/L		111	70 - 130
1,4-Dichlorobenzene	50.0	54.33		ug/L		109	70 - 130
Dichlorobromomethane	50.0	46.74		ug/L		93	67 - 133
1,1-Dichloroethane	50.0	50.70		ug/L		101	70 - 130
1,2-Dichloroethane	50.0	42.38		ug/L		85	69 - 130
1,1-Dichloroethene	50.0	48.69		ug/L		97	63 - 134
1,2-Dichloropropane	50.0	51.65		ug/L		103	70 - 130
1,3-Dichloropropane	50.0	53.99		ug/L		108	70 - 130
2,2-Dichloropropane	50.0	45.25		ug/L		91	52 - 135
1,1-Dichloropropene	50.0	48.71		ug/L		97	70 - 130
Ethyl acetate	100	95.96		ug/L		96	34 - 150
Ethylbenzene	50.0	54.14		ug/L		108	70 - 130
Ethylene Dibromide	50.0	49.51		ug/L		99	70 - 130
Hexachlorobutadiene	50.0	51.66		ug/L		103	53 - 140
Hexane	50.0	46.42		ug/L		93	69 - 130
2-Hexanone	200	216.4		ug/L		108	65 - 137
Iodomethane	50.0	45.21		ug/L		90	27 - 150
Isopropylbenzene	50.0	52.99		ug/L		106	70 - 130
Isopropyl ether	50.0	54.68		ug/L		109	64 - 132
4-Isopropyltoluene	50.0	59.87		ug/L		120	65 - 130
Methylene Chloride	50.0	55.08		ug/L		110	66 - 135
4-Methyl-2-pentanone (MIBK)	200	197.1		ug/L		99	69 - 138
Methyl tert-butyl ether	50.0	50.96		ug/L		102	66 - 130
m-Xylene & p-Xylene	50.0	52.59		ug/L		105	70 - 130
Naphthalene	50.0	46.07		ug/L		92	47 - 149
n-Butylbenzene	50.0	67.71	*+	ug/L		135	67 - 130
n-Heptane	50.0	45.74		ug/L		91	70 - 130
N-Propylbenzene	50.0	60.98		ug/L		122	70 - 130
o-Xylene	50.0	53.16		ug/L		106	70 - 130
sec-Butylbenzene	50.0	62.11		ug/L		124	66 - 130
Styrene	50.0	50.95		ug/L		102	70 - 130
tert-Butylbenzene	50.0	59.86		ug/L		120	64 - 139
1,1,1,2-Tetrachloroethane	50.0	46.96		ug/L		94	67 - 131
1,1,1,2,2-Tetrachloroethane	50.0	56.77		ug/L		114	70 - 131
Tetrachloroethene	50.0	46.22		ug/L		92	65 - 130
Toluene	50.0	51.18		ug/L		102	70 - 130
trans-1,4-Dichloro-2-butene	50.0	54.21		ug/L		108	57 - 140
trans-1,2-Dichloroethene	50.0	52.31		ug/L		105	70 - 130
trans-1,3-Dichloropropene	50.0	50.30		ug/L		101	63 - 130

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QC Sample Results

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-709273/1002
Matrix: Water
Analysis Batch: 709273

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	46.07		ug/L		92	60 - 138
1,2,4-Trichlorobenzene	50.0	49.81		ug/L		100	60 - 140
1,1,1-Trichloroethane	50.0	44.98		ug/L		90	68 - 130
1,1,2-Trichloroethane	50.0	52.65		ug/L		105	70 - 130
Trichloroethene	50.0	44.86		ug/L		90	70 - 130
Trichlorofluoromethane	50.0	41.42		ug/L		83	65 - 138
1,2,3-Trichloropropane	50.0	52.36		ug/L		105	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	43.18		ug/L		86	60 - 139
1,2,4-Trimethylbenzene	50.0	59.62		ug/L		119	70 - 130
1,3,5-Trimethylbenzene	50.0	61.04		ug/L		122	69 - 130
Vinyl acetate	100	102.7		ug/L		103	26 - 150
Vinyl chloride	50.0	47.88		ug/L		96	59 - 136
Xylenes, Total	100	105.7		ug/L		106	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	113		56 - 136
Dibromofluoromethane	93		79 - 130
1,2-Dichloroethane-d4 (Surr)	95		59 - 146
Toluene-d8 (Surr)	103		64 - 132

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Lab Sample ID: MB 400-709016/1-A
Matrix: Water
Analysis Batch: 709468

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 709016

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		10.0	0.420	ug/L		05/13/25 07:00	05/16/25 09:20	1
2,4,5-Trichlorophenol	ND		10.0	0.540	ug/L		05/13/25 07:00	05/16/25 09:20	1
2,4,6-Trichlorophenol	ND		10.0	1.09	ug/L		05/13/25 07:00	05/16/25 09:20	1
2,4-Dichlorophenol	ND		10.0	0.570	ug/L		05/13/25 07:00	05/16/25 09:20	1
2,4-Dimethylphenol	ND		10.0	0.240	ug/L		05/13/25 07:00	05/16/25 09:20	1
2,4-Dinitrophenol	ND		30.0	4.68	ug/L		05/13/25 07:00	05/16/25 09:20	1
2,4-Dinitrotoluene	ND		10.0	0.650	ug/L		05/13/25 07:00	05/16/25 09:20	1
2,6-Dinitrotoluene	ND		10.0	0.290	ug/L		05/13/25 07:00	05/16/25 09:20	1
2-Chloronaphthalene	ND		10.0	0.380	ug/L		05/13/25 07:00	05/16/25 09:20	1
2-Chlorophenol	ND		10.0	0.840	ug/L		05/13/25 07:00	05/16/25 09:20	1
2-Methylnaphthalene	ND		10.0	0.810	ug/L		05/13/25 07:00	05/16/25 09:20	1
2-Methylphenol	ND		10.0	0.760	ug/L		05/13/25 07:00	05/16/25 09:20	1
2-Nitroaniline	ND		10.0	1.37	ug/L		05/13/25 07:00	05/16/25 09:20	1
2-Nitrophenol	ND		10.0	1.17	ug/L		05/13/25 07:00	05/16/25 09:20	1
3 & 4 Methylphenol	ND		20.0	4.60	ug/L		05/13/25 07:00	05/16/25 09:20	1
3,3'-Dichlorobenzidine	ND		11.0	0.410	ug/L		05/13/25 07:00	05/16/25 09:20	1
3-Nitroaniline	ND		10.0	0.950	ug/L		05/13/25 07:00	05/16/25 09:20	1
4,6-Dinitro-2-methylphenol	ND		10.0	1.97	ug/L		05/13/25 07:00	05/16/25 09:20	1
4-Bromophenyl phenyl ether	ND		10.0	0.130	ug/L		05/13/25 07:00	05/16/25 09:20	1
4-Chloro-3-methylphenol	ND		10.0	0.730	ug/L		05/13/25 07:00	05/16/25 09:20	1
4-Chloroaniline	ND		10.0	0.280	ug/L		05/13/25 07:00	05/16/25 09:20	1

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QC Sample Results

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-709016/1-A
Matrix: Water
Analysis Batch: 709468

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 709016

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		10.0	0.240	ug/L		05/13/25 07:00	05/16/25 09:20	1
4-Nitroaniline	ND		10.0	3.50	ug/L		05/13/25 07:00	05/16/25 09:20	1
4-Nitrophenol	ND		10.0	2.74	ug/L		05/13/25 07:00	05/16/25 09:20	1
Acenaphthene	ND		10.0	0.630	ug/L		05/13/25 07:00	05/16/25 09:20	1
Acenaphthylene	ND		10.0	0.760	ug/L		05/13/25 07:00	05/16/25 09:20	1
Acetophenone	ND		10.0	3.20	ug/L		05/13/25 07:00	05/16/25 09:20	1
Anthracene	ND		10.0	0.910	ug/L		05/13/25 07:00	05/16/25 09:20	1
Atrazine	ND		10.0	1.13	ug/L		05/13/25 07:00	05/16/25 09:20	1
Benzaldehyde	ND		10.0	0.670	ug/L		05/13/25 07:00	05/16/25 09:20	1
Benzo[a]anthracene	ND		10.0	1.00	ug/L		05/13/25 07:00	05/16/25 09:20	1
Benzo[a]pyrene	ND		10.0	1.10	ug/L		05/13/25 07:00	05/16/25 09:20	1
Benzo[b]fluoranthene	ND		10.0	1.20	ug/L		05/13/25 07:00	05/16/25 09:20	1
Benzo[g,h,i]perylene	ND		10.0	1.50	ug/L		05/13/25 07:00	05/16/25 09:20	1
Benzo[k]fluoranthene	ND		10.0	1.50	ug/L		05/13/25 07:00	05/16/25 09:20	1
bis (2-chloroisopropyl) ether	ND		10.0	0.930	ug/L		05/13/25 07:00	05/16/25 09:20	1
Bis(2-chloroethoxy)methane	ND		10.0	0.340	ug/L		05/13/25 07:00	05/16/25 09:20	1
Bis(2-chloroethyl)ether	ND		10.0	0.730	ug/L		05/13/25 07:00	05/16/25 09:20	1
Bis(2-ethylhexyl) phthalate	ND		10.0	4.00	ug/L		05/13/25 07:00	05/16/25 09:20	1
Butyl benzyl phthalate	ND		10.0	4.00	ug/L		05/13/25 07:00	05/16/25 09:20	1
Caprolactam	ND		10.0	2.40	ug/L		05/13/25 07:00	05/16/25 09:20	1
Carbazole	ND		10.0	0.320	ug/L		05/13/25 07:00	05/16/25 09:20	1
Chrysene	ND		10.0	1.20	ug/L		05/13/25 07:00	05/16/25 09:20	1
Dibenz(a,h)anthracene	ND		10.0	1.30	ug/L		05/13/25 07:00	05/16/25 09:20	1
Dibenzofuran	ND		10.0	0.640	ug/L		05/13/25 07:00	05/16/25 09:20	1
Diethyl phthalate	ND		10.0	4.00	ug/L		05/13/25 07:00	05/16/25 09:20	1
Dimethyl phthalate	ND		10.0	4.00	ug/L		05/13/25 07:00	05/16/25 09:20	1
Di-n-butyl phthalate	ND		10.0	4.00	ug/L		05/13/25 07:00	05/16/25 09:20	1
Di-n-octyl phthalate	ND		10.0	4.00	ug/L		05/13/25 07:00	05/16/25 09:20	1
Fluoranthene	ND		10.0	0.630	ug/L		05/13/25 07:00	05/16/25 09:20	1
Fluorene	ND		10.0	0.670	ug/L		05/13/25 07:00	05/16/25 09:20	1
Hexachlorobenzene	ND		10.0	0.250	ug/L		05/13/25 07:00	05/16/25 09:20	1
Hexachlorobutadiene	ND		10.0	0.550	ug/L		05/13/25 07:00	05/16/25 09:20	1
Hexachlorocyclopentadiene	ND		20.0	0.320	ug/L		05/13/25 07:00	05/16/25 09:20	1
Hexachloroethane	ND		10.0	0.530	ug/L		05/13/25 07:00	05/16/25 09:20	1
Indeno[1,2,3-cd]pyrene	ND		10.0	1.10	ug/L		05/13/25 07:00	05/16/25 09:20	1
Isophorone	ND		10.0	0.800	ug/L		05/13/25 07:00	05/16/25 09:20	1
Naphthalene	ND		10.0	0.750	ug/L		05/13/25 07:00	05/16/25 09:20	1
Nitrobenzene	ND		10.0	0.600	ug/L		05/13/25 07:00	05/16/25 09:20	1
N-Nitrosodi-n-propylamine	ND		10.0	0.330	ug/L		05/13/25 07:00	05/16/25 09:20	1
N-Nitrosodiphenylamine	ND		10.0	0.190	ug/L		05/13/25 07:00	05/16/25 09:20	1
Pentachlorophenol	ND		10.0	2.80	ug/L		05/13/25 07:00	05/16/25 09:20	1
Phenanthrene	ND		10.0	0.740	ug/L		05/13/25 07:00	05/16/25 09:20	1
Phenol	ND		10.0	0.680	ug/L		05/13/25 07:00	05/16/25 09:20	1
Pyrene	ND		10.0	0.630	ug/L		05/13/25 07:00	05/16/25 09:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	58		10 - 150	05/13/25 07:00	05/16/25 09:20	1
2-Fluorobiphenyl (Surr)	57		15 - 150	05/13/25 07:00	05/16/25 09:20	1

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QC Sample Results

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-709016/1-A
Matrix: Water
Analysis Batch: 709468

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 709016

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Fluorophenol (Surr)	58		10 - 150	05/13/25 07:00	05/16/25 09:20	1
Nitrobenzene-d5 (Surr)	62		50 - 150	05/13/25 07:00	05/16/25 09:20	1
Phenol-d5 (Surr)	58		10 - 150	05/13/25 07:00	05/16/25 09:20	1
Terphenyl-d14 (Surr)	56		43 - 147	05/13/25 07:00	05/16/25 09:20	1

Lab Sample ID: LCS 400-709016/2-A
Matrix: Water
Analysis Batch: 709374

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 709016

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,5-Trichlorophenol	100	66.25		ug/L		66	10 - 150
2,4,6-Trichlorophenol	100	73.22	E	ug/L		73	50 - 150
2,4-Dichlorophenol	100	66.11		ug/L		66	11 - 150
2,4-Dimethylphenol	100	57.38		ug/L		57	5 - 150
2,4-Dinitrophenol	200	133.1		ug/L		67	10 - 150
2,4-Dinitrotoluene	100	65.11		ug/L		65	46 - 137
2,6-Dinitrotoluene	100	63.93		ug/L		64	35 - 150
2-Chloronaphthalene	100	52.08		ug/L		52	44 - 122
2-Chlorophenol	100	71.21	E	ug/L		71	10 - 150
2-Methylnaphthalene	100	46.29		ug/L		46	31 - 115
2-Methylphenol	100	65.11		ug/L		65	42 - 120
2-Nitroaniline	100	75.37	E	ug/L		75	10 - 150
2-Nitrophenol	100	70.53	E	ug/L		71	21 - 150
3 & 4 Methylphenol	100	69.88	E	ug/L		70	10 - 150
3,3'-Dichlorobenzidine	133	63.49		ug/L		48	10 - 150
3-Nitroaniline	100	56.50		ug/L		56	10 - 150
4,6-Dinitro-2-methylphenol	200	136.7	E	ug/L		68	10 - 150
4-Bromophenyl phenyl ether	100	58.64		ug/L		59	50 - 126
4-Chloro-3-methylphenol	100	67.70	E	ug/L		68	14 - 150
4-Chloroaniline	100	55.37		ug/L		55	10 - 150
4-Chlorophenyl phenyl ether	100	57.90		ug/L		58	51 - 125
4-Nitroaniline	100	64.38		ug/L		64	10 - 144
4-Nitrophenol	200	170.8	E	ug/L		85	10 - 150
Acenaphthene	100	53.54		ug/L		54	44 - 122
Acenaphthylene	100	56.68		ug/L		57	42 - 125
Acetophenone	100	62.70		ug/L		63	54 - 131
Anthracene	100	61.87		ug/L		62	51 - 136
Atrazine	50.0	37.92		ug/L		76	10 - 150
Benzaldehyde	50.0	34.82		ug/L		70	10 - 150
Benzo[a]anthracene	100	49.86		ug/L		50	50 - 138
Benzo[a]pyrene	100	62.11		ug/L		62	53 - 134
Benzo[b]fluoranthene	100	60.84		ug/L		61	50 - 134
Benzo[g,h,i]perylene	100	58.17		ug/L		58	42 - 138
Benzo[k]fluoranthene	100	59.76		ug/L		60	55 - 136
bis (2-chloroisopropyl) ether	100	57.07		ug/L		57	10 - 150
Bis(2-chloroethoxy)methane	100	59.73		ug/L		60	60 - 123
Bis(2-chloroethyl)ether	100	61.01		ug/L		61	45 - 127

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QC Sample Results

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-709016/2-A
Matrix: Water
Analysis Batch: 709374

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 709016

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bis(2-ethylhexyl) phthalate	100	57.92		ug/L		58	10 - 147
Butyl benzyl phthalate	100	64.69		ug/L		65	36 - 137
Caprolactam	50.0	25.42		ug/L		51	50 - 150
Carbazole	100	64.97		ug/L		65	59 - 128
Chrysene	100	47.33	*	ug/L		47	53 - 141
Dibenz(a,h)anthracene	100	59.89		ug/L		60	41 - 139
Dibenzofuran	100	57.27		ug/L		57	55 - 125
Diethyl phthalate	100	67.60	E	ug/L		68	61 - 130
Dimethyl phthalate	100	71.88	E	ug/L		72	55 - 139
Di-n-butyl phthalate	100	60.96		ug/L		61	50 - 150
Di-n-octyl phthalate	100	55.53		ug/L		56	10 - 150
Fluoranthene	100	49.56		ug/L		50	49 - 141
Fluorene	100	58.12		ug/L		58	41 - 136
Hexachlorobenzene	100	56.45		ug/L		56	53 - 126
Hexachlorobutadiene	100	38.54		ug/L		39	10 - 117
Hexachlorocyclopentadiene	100	46.16		ug/L		46	10 - 150
Hexachloroethane	100	38.55		ug/L		39	10 - 112
Indeno[1,2,3-cd]pyrene	100	59.02		ug/L		59	30 - 150
Isophorone	100	63.20		ug/L		63	51 - 125
Naphthalene	100	47.02		ug/L		47	31 - 122
Nitrobenzene	100	62.86		ug/L		63	57 - 138
N-Nitrosodi-n-propylamine	100	64.96		ug/L		65	53 - 134
N-Nitrosodiphenylamine	99.2	66.80	E	ug/L		67	62 - 132
Pentachlorophenol	200	141.1	E	ug/L		71	16 - 150
Phenanthrene	100	58.61		ug/L		59	50 - 133
Phenol	100	76.44	E	ug/L		76	10 - 150
Pyrene	100	46.00		ug/L		46	46 - 149

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	69		10 - 150
2-Fluorobiphenyl (Surr)	57		15 - 150
2-Fluorophenol (Surr)	66		10 - 150
Nitrobenzene-d5 (Surr)	63		50 - 150
Phenol-d5 (Surr)	70		10 - 150
Terphenyl-d14 (Surr)	52		43 - 147

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Lab Sample ID: MB 400-709007/1-A
Matrix: Water
Analysis Batch: 709523

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 709007

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.300	0.300	ug/L		05/13/25 07:00	05/16/25 14:34	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	34		10 - 140	05/13/25 07:00	05/16/25 14:34	1

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QC Sample Results

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) (Continued)

Lab Sample ID: LCS 400-709007/2-A
Matrix: Water
Analysis Batch: 709523

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 709007

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	16.0	15.60		ug/L		98	30 - 150
<i>Isotope Dilution</i>							
1,4-Dioxane-d8						25	10 - 140

Lab Sample ID: LCSD 400-709007/3-A
Matrix: Water
Analysis Batch: 709523

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 709007

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
1,4-Dioxane	16.0	16.12		ug/L		101	30 - 150	3	
<i>Isotope Dilution</i>									
1,4-Dioxane-d8						26	10 - 140		

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 400-708443/5
Matrix: Water
Analysis Batch: 708443

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			05/07/25 19:28	1

Lab Sample ID: LCS 400-708443/6
Matrix: Water
Analysis Batch: 708443

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	2.155		mg/L		95	90 - 110

Lab Sample ID: LCSD 400-708443/7
Matrix: Water
Analysis Batch: 708443

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Nitrate as N	2.26	2.103		mg/L		93	90 - 110	2	15

Lab Sample ID: MB 400-708445/5
Matrix: Water
Analysis Batch: 708445

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			05/07/25 19:28	1

QC Sample Results

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 400-708445/6
Matrix: Water
Analysis Batch: 708445

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	9.383		mg/L		94	90 - 110

Lab Sample ID: LCSD 400-708445/7
Matrix: Water
Analysis Batch: 708445

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	9.389		mg/L		94	90 - 110	0	15

Lab Sample ID: MB 400-708605/65
Matrix: Water
Analysis Batch: 708605

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			05/09/25 03:51	1

Lab Sample ID: LCS 400-708605/66
Matrix: Water
Analysis Batch: 708605

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	9.431		mg/L		94	90 - 110

Lab Sample ID: LCSD 400-708605/67
Matrix: Water
Analysis Batch: 708605

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	9.482		mg/L		95	90 - 110	1	15

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-882121/1-A
Matrix: Water
Analysis Batch: 882206

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 882121

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	0.340	ug/L		05/12/25 05:33	05/12/25 13:17	1
Arsenic	ND		3.00	0.860	ug/L		05/12/25 05:33	05/12/25 13:17	1
Barium	ND		5.00	0.890	ug/L		05/12/25 05:33	05/12/25 13:17	1
Beryllium	ND		0.500	0.200	ug/L		05/12/25 05:33	05/12/25 13:17	1
Cadmium	ND		0.500	0.0780	ug/L		05/12/25 05:33	05/12/25 13:17	1
Chromium	ND		5.00	1.20	ug/L		05/12/25 05:33	05/12/25 13:17	1
Cobalt	ND		0.500	0.220	ug/L		05/12/25 05:33	05/12/25 13:17	1
Copper	ND		5.00	1.08	ug/L		05/12/25 05:33	05/12/25 13:17	1
Lead	ND		2.50	0.210	ug/L		05/12/25 05:33	05/12/25 13:17	1
Manganese	ND		5.00	2.20	ug/L		05/12/25 05:33	05/12/25 13:17	1
Nickel	ND		5.00	0.420	ug/L		05/12/25 05:33	05/12/25 13:17	1
Selenium	ND		2.50	0.990	ug/L		05/12/25 05:33	05/12/25 13:17	1
Silver	ND		1.00	0.390	ug/L		05/12/25 05:33	05/12/25 13:17	1

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QC Sample Results

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 680-882121/1-A
Matrix: Water
Analysis Batch: 882206

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 882121

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		1.00	0.260	ug/L		05/12/25 05:33	05/12/25 13:17	1
Vanadium	ND		10.0	0.630	ug/L		05/12/25 05:33	05/12/25 13:17	1
Zinc	ND		20.0	2.80	ug/L		05/12/25 05:33	05/12/25 13:17	1

Lab Sample ID: LCS 680-882121/2-A
Matrix: Water
Analysis Batch: 882206

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 882121

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	50.0	49.90		ug/L		100	80 - 120
Arsenic	100	107.5		ug/L		108	80 - 120
Barium	100	103.7		ug/L		104	80 - 120
Beryllium	50.0	52.06		ug/L		104	80 - 120
Cadmium	50.0	51.33		ug/L		103	80 - 120
Chromium	100	101.6		ug/L		102	80 - 120
Cobalt	50.0	55.00		ug/L		110	80 - 120
Copper	101	109.0		ug/L		108	80 - 120
Lead	500	489.6		ug/L		98	80 - 120
Manganese	400	412.2		ug/L		103	80 - 120
Nickel	100	107.8		ug/L		108	80 - 120
Selenium	100	112.6		ug/L		113	80 - 120
Silver	50.0	50.79		ug/L		102	80 - 120
Thallium	50.0	49.85		ug/L		100	80 - 120
Vanadium	100	103.6		ug/L		104	80 - 120
Zinc	100	108.8		ug/L		109	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-882086/1-A
Matrix: Water
Analysis Batch: 882133

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 882086

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0800	ug/L		05/09/25 12:59	05/09/25 17:03	1

Lab Sample ID: LCS 680-882086/2-A
Matrix: Water
Analysis Batch: 882133

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 882086

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	2.50	2.593		ug/L		104	80 - 120

Lab Sample ID: MB 680-882181/1-A
Matrix: Water
Analysis Batch: 882212

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 882181

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0800	ug/L		05/12/25 12:55	05/12/25 17:38	1

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QC Sample Results

Client: S&ME Inc
 Project/Site: City of Durham Parks

Job ID: 400-275450-1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 680-882181/2-A
Matrix: Water
Analysis Batch: 882212

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 882181

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	2.50	2.915		ug/L		117	80 - 120

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 400-709196/62
Matrix: Water
Analysis Batch: 709196

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			05/14/25 11:49	1

Lab Sample ID: LCS 400-709196/63
Matrix: Water
Analysis Batch: 709196

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	3.015		mg/L		101	90 - 110

Lab Sample ID: MRL 400-709196/19
Matrix: Water
Analysis Batch: 709196

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	0.07100		mg/L		143	50 - 150

Lab Chronicle

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: MW-1

Lab Sample ID: 400-275450-1

Date Collected: 05/06/25 10:55

Matrix: Water

Date Received: 05/07/25 09:50

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	709273	05/15/25 12:48	BPO	EET PEN
Total/NA	Prep	3511			33.9 mL	2 mL	709016	05/13/25 07:00	SM	EET PEN
Total/NA	Analysis	8270E		1			709468	05/16/25 11:26	JAW	EET PEN
Total/NA	Prep	3510C			253.8 mL	1 mL	709007	05/13/25 07:00	STC	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	709523	05/16/25 15:40	VC1	EET PEN
Total/NA	Analysis	9056A		1			708443	05/07/25 21:28	AMM	EET PEN
Total/NA	Analysis	9056A		5			708605	05/09/25 04:34	AMM	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	882121	05/12/25 05:33	RR	EET SAV
Total Recoverable	Analysis	6020B		1			882206	05/12/25 13:48	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	882181	05/12/25 12:55	MG	EET SAV
Total/NA	Analysis	7470A		1			882212	05/12/25 17:55	BJB	EET SAV
Total/NA	Analysis	350.1		1	10 mL	10 mL	709196	05/14/25 12:15	VB	EET PEN

Client Sample ID: MW-2

Lab Sample ID: 400-275450-2

Date Collected: 05/06/25 12:00

Matrix: Water

Date Received: 05/07/25 09:50

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	709273	05/15/25 13:13	BPO	EET PEN
Total/NA	Prep	3511			33.8 mL	2 mL	709016	05/13/25 07:00	SM	EET PEN
Total/NA	Analysis	8270E		1			709468	05/16/25 11:58	JAW	EET PEN
Total/NA	Prep	3510C			266.8 mL	1 mL	709007	05/13/25 07:00	STC	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	709523	05/16/25 16:02	VC1	EET PEN
Total/NA	Analysis	9056A		1			708443	05/07/25 21:36	AMM	EET PEN
Total/NA	Analysis	9056A		1			708445	05/07/25 21:36	AMM	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	882121	05/12/25 05:33	RR	EET SAV
Total Recoverable	Analysis	6020B		1			882206	05/12/25 13:35	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	882086	05/09/25 12:59	MG	EET SAV
Total/NA	Analysis	7470A		1			882133	05/09/25 17:41	BJB	EET SAV
Total/NA	Analysis	350.1		1	10 mL	10 mL	709196	05/14/25 12:31	VB	EET PEN

Client Sample ID: MW-3

Lab Sample ID: 400-275450-3

Date Collected: 05/06/25 13:15

Matrix: Water

Date Received: 05/07/25 09:50

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	709273	05/15/25 13:37	BPO	EET PEN
Total/NA	Prep	3511			33.9 mL	2 mL	709016	05/13/25 07:00	SM	EET PEN
Total/NA	Analysis	8270E		1			709468	05/16/25 12:29	JAW	EET PEN
Total/NA	Prep	3510C			257 mL	1 mL	709007	05/13/25 07:00	STC	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	709523	05/16/25 16:24	VC1	EET PEN
Total/NA	Analysis	9056A		1			708443	05/07/25 21:45	AMM	EET PEN
Total/NA	Analysis	9056A		1			708445	05/07/25 21:45	AMM	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: MW-3

Lab Sample ID: 400-275450-3

Date Collected: 05/06/25 13:15

Matrix: Water

Date Received: 05/07/25 09:50

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	882121	05/12/25 05:33	RR	EET SAV
Total Recoverable	Analysis	6020B		1			882206	05/12/25 14:22	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	882086	05/09/25 12:59	MG	EET SAV
Total/NA	Analysis	7470A		1			882133	05/09/25 17:36	BJB	EET SAV
Total/NA	Analysis	350.1		1	10 mL	10 mL	709196	05/14/25 12:33	VB	EET PEN

Client Sample ID: MW-4

Lab Sample ID: 400-275450-4

Date Collected: 05/06/25 14:35

Matrix: Water

Date Received: 05/07/25 09:50

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	709273	05/15/25 17:17	BPO	EET PEN
Total/NA	Prep	3511			34.3 mL	2 mL	709016	05/13/25 07:00	SM	EET PEN
Total/NA	Analysis	8270E		1			709468	05/16/25 13:01	JAW	EET PEN
Total/NA	Prep	3510C			265 mL	1 mL	709007	05/13/25 07:00	STC	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	709523	05/16/25 16:46	VC1	EET PEN
Total/NA	Analysis	9056A		1			708443	05/07/25 21:53	AMM	EET PEN
Total/NA	Analysis	9056A		1			708445	05/07/25 21:53	AMM	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	882121	05/12/25 05:33	RR	EET SAV
Total Recoverable	Analysis	6020B		1			882206	05/12/25 13:54	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	882181	05/12/25 12:55	MG	EET SAV
Total/NA	Analysis	7470A		1			882212	05/12/25 17:52	BJB	EET SAV
Total/NA	Analysis	350.1		1	10 mL	10 mL	709196	05/14/25 12:36	VB	EET PEN

Client Sample ID: MW-5

Lab Sample ID: 400-275450-5

Date Collected: 05/06/25 15:15

Matrix: Water

Date Received: 05/07/25 09:50

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	709273	05/15/25 17:42	BPO	EET PEN
Total/NA	Prep	3511			34.2 mL	2 mL	709016	05/13/25 07:00	SM	EET PEN
Total/NA	Analysis	8270E		1			709468	05/16/25 13:33	JAW	EET PEN
Total/NA	Prep	3510C			265.2 mL	1 mL	709007	05/13/25 07:00	STC	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	709523	05/16/25 17:08	VC1	EET PEN
Total/NA	Analysis	9056A		1			708443	05/07/25 22:02	AMM	EET PEN
Total/NA	Analysis	9056A		1			708445	05/07/25 22:02	AMM	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	882121	05/12/25 05:33	RR	EET SAV
Total Recoverable	Analysis	6020B		1			882206	05/12/25 14:12	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	882086	05/09/25 12:59	MG	EET SAV
Total/NA	Analysis	7470A		1			882133	05/09/25 17:17	BJB	EET SAV
Total/NA	Analysis	350.1		1	10 mL	10 mL	709196	05/14/25 12:39	VB	EET PEN

Lab Chronicle

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: MW-6

Lab Sample ID: 400-275450-6

Date Collected: 05/06/25 14:15

Matrix: Water

Date Received: 05/07/25 09:50

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	709273	05/15/25 18:06	BPO	EET PEN
Total/NA	Prep	3511			33.7 mL	2 mL	709016	05/13/25 07:00	SM	EET PEN
Total/NA	Analysis	8270E		1			709468	05/16/25 14:04	JAW	EET PEN
Total/NA	Prep	3510C			246.6 mL	1 mL	709007	05/13/25 07:00	STC	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	709523	05/16/25 17:30	VC1	EET PEN
Total/NA	Analysis	9056A		1			708443	05/07/25 22:10	AMM	EET PEN
Total/NA	Analysis	9056A		1			708445	05/07/25 22:10	AMM	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	882121	05/12/25 05:33	RR	EET SAV
Total Recoverable	Analysis	6020B		1			882206	05/12/25 13:59	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	882181	05/12/25 12:55	MG	EET SAV
Total/NA	Analysis	7470A		1			882212	05/12/25 17:57	BJB	EET SAV
Total/NA	Analysis	350.1		1	10 mL	10 mL	709196	05/14/25 12:41	VB	EET PEN

Client Sample ID: MW-7

Lab Sample ID: 400-275450-7

Date Collected: 05/06/25 13:15

Matrix: Water

Date Received: 05/07/25 09:50

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	709273	05/15/25 18:31	BPO	EET PEN
Total/NA	Prep	3511			33.9 mL	2 mL	709016	05/13/25 07:00	SM	EET PEN
Total/NA	Analysis	8270E		1			709468	05/16/25 14:36	JAW	EET PEN
Total/NA	Prep	3510C			268.6 mL	1 mL	709007	05/13/25 07:00	STC	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	709523	05/16/25 17:52	VC1	EET PEN
Total/NA	Analysis	9056A		1			708443	05/07/25 22:19	AMM	EET PEN
Total/NA	Analysis	9056A		1			708445	05/07/25 22:19	AMM	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	882121	05/12/25 05:33	RR	EET SAV
Total Recoverable	Analysis	6020B		1			882206	05/12/25 14:20	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	882086	05/09/25 12:59	MG	EET SAV
Total/NA	Analysis	7470A		1			882133	05/09/25 17:39	BJB	EET SAV
Total/NA	Analysis	350.1		1	10 mL	10 mL	709196	05/14/25 12:44	VB	EET PEN

Client Sample ID: MW-8

Lab Sample ID: 400-275450-8

Date Collected: 05/06/25 12:15

Matrix: Water

Date Received: 05/07/25 09:50

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	709273	05/15/25 18:55	BPO	EET PEN
Total/NA	Prep	3511			33.9 mL	2 mL	709016	05/13/25 07:00	SM	EET PEN
Total/NA	Analysis	8270E		1			709468	05/16/25 15:08	JAW	EET PEN
Total/NA	Prep	3510C			267.8 mL	1 mL	709007	05/13/25 07:00	STC	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	709523	05/16/25 18:14	VC1	EET PEN
Total/NA	Analysis	9056A		1			708443	05/07/25 22:27	AMM	EET PEN
Total/NA	Analysis	9056A		5			708605	05/09/25 04:42	AMM	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: MW-8

Lab Sample ID: 400-275450-8

Date Collected: 05/06/25 12:15

Matrix: Water

Date Received: 05/07/25 09:50

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	882121	05/12/25 05:33	RR	EET SAV
Total Recoverable	Analysis	6020B		1			882206	05/12/25 14:01	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	882181	05/12/25 12:55	MG	EET SAV
Total/NA	Analysis	7470A		1			882212	05/12/25 17:59	BJB	EET SAV
Total/NA	Analysis	350.1		1	10 mL	10 mL	709196	05/14/25 12:47	VB	EET PEN

Client Sample ID: MW-9

Lab Sample ID: 400-275450-9

Date Collected: 05/06/25 10:50

Matrix: Water

Date Received: 05/07/25 09:50

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	709273	05/15/25 19:20	BPO	EET PEN
Total/NA	Prep	3511			33.7 mL	2 mL	709016	05/13/25 07:00	SM	EET PEN
Total/NA	Analysis	8270E		1			709468	05/16/25 15:40	JAW	EET PEN
Total/NA	Prep	3510C			254.8 mL	1 mL	709007	05/13/25 07:00	STC	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	709523	05/16/25 18:36	VC1	EET PEN
Total/NA	Analysis	9056A		1			708443	05/07/25 22:53	AMM	EET PEN
Total/NA	Analysis	9056A		1			708445	05/07/25 22:53	AMM	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	882121	05/12/25 05:33	RR	EET SAV
Total Recoverable	Analysis	6020B		1			882206	05/12/25 13:30	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	882086	05/09/25 12:59	MG	EET SAV
Total/NA	Analysis	7470A		1			882133	05/09/25 17:32	BJB	EET SAV
Total/NA	Analysis	350.1		1	10 mL	10 mL	709196	05/14/25 12:49	VB	EET PEN

Client Sample ID: DUPLICATE-1

Lab Sample ID: 400-275450-10

Date Collected: 05/06/25 10:50

Matrix: Water

Date Received: 05/07/25 09:50

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	709273	05/15/25 19:44	BPO	EET PEN
Total/NA	Prep	3511			33.7 mL	2 mL	709016	05/13/25 07:00	SM	EET PEN
Total/NA	Analysis	8270E		1			709468	05/16/25 16:11	JAW	EET PEN
Total/NA	Prep	3510C			257.2 mL	1 mL	709007	05/13/25 07:00	STC	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	709523	05/16/25 18:58	VC1	EET PEN
Total/NA	Analysis	9056A		1			708443	05/07/25 23:02	AMM	EET PEN
Total/NA	Analysis	9056A		1			708445	05/07/25 23:02	AMM	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	882121	05/12/25 05:33	RR	EET SAV
Total Recoverable	Analysis	6020B		1			882206	05/12/25 13:56	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	882181	05/12/25 12:55	MG	EET SAV
Total/NA	Analysis	7470A		1			882212	05/12/25 18:06	BJB	EET SAV
Total/NA	Analysis	350.1		1	10 mL	10 mL	709196	05/14/25 12:52	VB	EET PEN

Lab Chronicle

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: TRIP BLANKS

Lab Sample ID: 400-275450-11

Date Collected: 05/06/25 00:00

Matrix: Water

Date Received: 05/07/25 09:50

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	709273	05/15/25 15:15	BPO	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-708443/5

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			708443	05/07/25 19:28	AMM	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-708445/5

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			708445	05/07/25 19:28	AMM	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-708605/65

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			708605	05/09/25 03:51	AMM	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-709007/1-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	709007	05/13/25 07:00	STC	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	709523	05/16/25 14:34	VC1	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-709016/1-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	709016	05/13/25 07:00	SM	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	709468	05/16/25 09:20	JAW	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-709196/62

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	709196	05/14/25 11:49	VB	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: Method Blank

Lab Sample ID: MB 400-709273/5

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	709273	05/15/25 16:29	BPO	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 680-882086/1-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	882086	05/09/25 12:59	MG	EET SAV
Total/NA	Analysis	7470A		1			882133	05/09/25 17:03	BJB	EET SAV

Client Sample ID: Method Blank

Lab Sample ID: MB 680-882121/1-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	882121	05/12/25 05:33	RR	EET SAV
Total Recoverable	Analysis	6020B		1			882206	05/12/25 13:17	BWR	EET SAV

Client Sample ID: Method Blank

Lab Sample ID: MB 680-882181/1-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	882181	05/12/25 12:55	MG	EET SAV
Total/NA	Analysis	7470A		1			882212	05/12/25 17:38	BJB	EET SAV

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-708443/6

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			708443	05/07/25 19:37	AMM	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-708445/6

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			708445	05/07/25 19:37	AMM	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-708605/66

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			708605	05/09/25 04:00	AMM	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-709007/2-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	709007	05/13/25 07:00	STC	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	709523	05/16/25 14:56	VC1	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-709016/2-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	709016	05/13/25 07:00	SM	EET PEN
Total/NA	Analysis	8270E		1			709374	05/15/25 17:21	KJA	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-709196/63

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	709196	05/14/25 11:51	VB	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-709273/1002

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	709273	05/15/25 10:17	BPO	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 680-882086/2-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	882086	05/09/25 12:59	MG	EET SAV
Total/NA	Analysis	7470A		1			882133	05/09/25 17:06	BJB	EET SAV

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 680-882121/2-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	882121	05/12/25 05:33	RR	EET SAV
Total Recoverable	Analysis	6020B		1			882206	05/12/25 13:20	BWR	EET SAV

Lab Chronicle

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 680-882181/2-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	882181	05/12/25 12:55	MG	EET SAV
Total/NA	Analysis	7470A		1			882212	05/12/25 17:41	BJB	EET SAV

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-708443/7

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			708443	05/07/25 19:45	AMM	EET PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-708445/7

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			708445	05/07/25 19:45	AMM	EET PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-708605/6/7

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			708605	05/09/25 04:08	AMM	EET PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-709007/3-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	709007	05/13/25 07:00	STC	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	709523	05/16/25 15:18	VC1	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: MRL 400-709196/19

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	709196	05/14/25 09:54	VB	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: City of Durham Parks

Job ID: 400-275450-1

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
 Project/Site: City of Durham Parks

Job ID: 400-275450-1

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-25
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-25
California	State	2510	06-30-25
Florida	NELAP	E81010	06-30-25
Georgia	State	E81010(FL)	06-30-25
Illinois	NELAP	200041	10-09-25
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-25
Louisiana (All)	NELAP	30976	06-30-25
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	08-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-25
Tennessee	State	TN02907	06-30-25
Texas	NELAP	T104704286	09-30-25
US Fish & Wildlife	US Federal Programs	A22340	06-30-25
USDA	US Federal Programs	FLGNV23001	01-08-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
Virginia	NELAP	460166	06-14-25
West Virginia DEP	State	136	03-31-26

Laboratory: Eurofins Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
	AFCEE	SAVLAB	
Alabama	State	41450	06-30-25
ANAB	Dept. of Defense ELAP	L2463	09-22-26
Arkansas (DW)	State	GA00006	06-30-25
Arkansas DEQ	State	88-00692	02-09-26
Florida	NELAP	E87052	06-30-25
Georgia	State	E87052	06-30-25
Georgia (DW)	State	803	06-30-25
Hawaii	State	<cert No.>	06-30-25
Illinois	NELAP	200022	11-30-25
Iowa	State	353	07-01-25
Kentucky (UST)	State	108138	06-30-24 *
Louisiana (All)	NELAP	30690	06-30-25
Maine	State	GA00006	09-25-26
Maryland	State	250	12-31-25
Mississippi	State	<cert No.>	06-30-25
Nebraska	State	NE-OS-7-04	06-30-25
New Mexico	State	GA00006	06-30-25
North Carolina (DW)	State	13701	07-31-25
North Carolina (WW/SW)	State	269	12-31-25
Puerto Rico	State	GA00006	01-15-26
South Carolina	State	98001	06-30-25
Tennessee	State	TN02961	06-30-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: S&ME Inc
Project/Site: City of Durham Parks

Job ID: 400-275450-1


Laboratory: Eurofins Savannah (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

<u>Authority</u>	<u>Program</u>	<u>Identification Number</u>	<u>Expiration Date</u>
Texas	TCEQ Water Supply	T104704185	06-30-25
USDA	US Federal Programs	P330-18-00313	04-04-27
Virginia	NELAP	460161	06-14-25
Wyoming	State	8TMS-L	06-30-25

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Chain of Custody Record

Client Information		Sampler: <u>James Waters, Connatricks</u>		Lab PM: <u>Bechtold, Chad</u>		Carrier Tracking No(s):		COC No: <u>680-166964-59159.1</u>	
Client Contact: <u>Jerry Paul</u>		Phone:		E-Mail: <u>Chad.Bechtold@et.eurofins.com</u>		State of Origin: <u>NC</u>		Page: <u>1 of 1</u>	
Company: <u>S&ME Inc</u>		PWSID:		Analysis Requested		Job #:		Preservation Codes: N - None S - H2SO4 D - HNO3 A - HCL	
Address: <u>3201 Spring Forest Road</u>		Due Date Requested:		9056A_ORGM_28D - Sulfate; 353.2 - Nitrite (48 hour HT)		Total Number of Containers		Special Instructions/Note:	
City: <u>Raleigh</u>		TAT Requested (days):		350.1 - Ammonia as N; 353.2 - NOx, Nitrate_Calc					
State, Zip: <u>NC, 27616</u>		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No		6020B - PRLF 16 Metals; 7470A - Hg					
Phone: <u>919-872-2660(Tel) 919-876-3958(Fax)</u>		PO #: <u>23050630 Phase T</u>		8260D - VOC NC 02L List					
Email: <u>jpaul@smeinc.com</u>		WO #: <u>68026680</u>		8270E_SIM_MS_ID - 1,4-Dioxane					
Project Name: <u>City of Durham Parks</u>		Project #: <u>68026680</u>		8270E_QQQ - SVOC TCL OLM4.2					
Site: <u></u>		SSOW#: <u></u>		Field Filtered Sample (Yes or No)					
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, B=Trace Asst)	Preservation Code	Analysis Requested	Special Instructions/Note		
MW-1	5/6/25	1055	G	W	N	✓			
MW-2		1200			S	✓			
MW-3		1315			D	✓			
MW-4		1435			A	✓			
MW-5		1515			N	✓			
MW-6		1415			S	✓			
MW-7		1315			D	✓			
MW-8		1215			A	✓			
MW-9		1050			N	✓			
Duplicate-1					S	✓			
Trip Banks					D	✓			
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological									
Deliverable Requested: I, II, III, IV, Other (specify)									
Empty Kit Relinquished by: _____ Date: _____ Time: _____									
Relinquished by: <u>James G. Waters</u> Date/Time: <u>5/6/25 1615</u> Company: <u>SME</u>									
Relinquished by: <u>Jerry Paul</u> Date/Time: <u>5/6/25 1700</u> Company: <u>Eurofins</u>									
Relinquished by: _____ Date/Time: _____ Company: _____									
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No									
Custody Seal No.: _____									
Cooler Temperature(s) and Other Remarks: <u>1.5 ALP, J. O. R. J. AR</u>									
Received by: <u>James G. Waters</u> Date/Time: <u>5/6/25 1615</u> Company: <u>Eurofins</u>									
Received by: <u>Jerry Paul</u> Date/Time: <u>5-7-25/0930</u> Company: <u>1.5.1 IRLI</u>									
Received by: _____ Date/Time: _____ Company: _____									
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months									
Special Instructions/QC Requirements:									
Barcode:  400-275450 Chain of Custody									



Eurofins Pensacola

3355 McLemore Drive
 Pensacola, FL 32514
 Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)		Sampler: N/A		Lab PM: Bechtold, Chad		Carrier Tracking No(s): N/A		COC No: 400-375322.1			
Client Contact: Shipping/Receiving		Phone: N/A		E-Mail: Chad.Bechtold@et.eurofinsus.com		State of Origin: North Carolina		Page: Page 1 of 2			
Company: Eurofins Environment Testing Southeast L				Accreditations Required (See note): State - North Carolina (WW/SW)				Job #: 400-275450-1			
Address: 5102 LaRoche Avenue,		Due Date Requested: 5/15/2025		Analysis Requested						Preservation Codes:	
City: Savannah		TAT Requested (days): N/A								Other: N/A	
State, Zip: GA, 31404		PO #: N/A		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 60208/3005A PRLF 16 Metals, including prep 7470A/7470A_Prep Mercury		Total Number of containers					
Phone: 912-354-7858(Tel) 912-352-0165(Fax)		WO #: N/A									
Email: N/A		Project #: 68026680									
Project Name: City of Durham Parks		SSOW#: N/A									
Site: 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, AA=Air)			
								Special Instructions/Note:			
MW-1 (400-275450-1)		5/6/25		10:55 Eastern		G Water		X X			
MW-2 (400-275450-2)		5/6/25		12:00 Eastern		G Water		X X			
MW-3 (400-275450-3)		5/6/25		13:15 Eastern		G Water		X X			
MW-4 (400-275450-4)		5/6/25		14:35 Eastern		G Water		X X			
MW-5 (400-275450-5)		5/6/25		15:15 Eastern		G Water		X X			
MW-6 (400-275450-6)		5/6/25		14:15 Eastern		G Water		X X			
MW-7 (400-275450-7)		5/6/25		13:15 Eastern		G Water		X X			
MW-8 (400-275450-8)		5/6/25		12:15 Eastern		G Water		X X			
MW-9 (400-275450-9)		5/6/25		10:50 Eastern		G Water		X X			
<p>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.</p>											
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)						
Unconfirmed					<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> 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: 5/8/25 1200		Company: ECT		Received by:		Date/Time: 5/19/25 1022			
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:			
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:			
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.:			Cooler Temperature(s) °C and Other Remarks: 20.4 / 20.4						

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Eurofins Pensacola

3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record



Client Information (Sub Contract Lab)				Sampler: N/A		Lab PM: Bechtold, Chad		Carrier Tracking No(s): N/A		COC No: 400-375322.2			
Client Contact: Shipping/Receiving				Phone: N/A		E-Mail: Chad.Bechtold@et.eurofinsus.com		State of Origin: North Carolina		Page: Page 2 of 2			
Company: Eurofins Environment Testing Southeast L						Accreditations Required (See note): State - North Carolina (WW/SW)				Job #: 400-275450-1			
Address: 5102 LaRoche Avenue,				Due Date Requested: 5/15/2025		Analysis Requested						Preservation Codes:	
City: Savannah				TAT Requested (days): N/A		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						Other: N/A	
State, Zip: GA, 31404				PO #: N/A								Project #: 68026680	
Phone: 912-354-7858(Tel) 912-352-0165(Fax)				WO #: N/A								SSOW #: N/A	
Email: N/A				Project Name: City of Durham Parks								Site: N/A	
Project Name: City of Durham Parks				Site: N/A									
Site: N/A													
Sample Identification - Client ID (Lab ID)				Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=oil, BT=Tissue, A=Air)					Special Instructions/Note:	
Preservation Code:								X	X			1	
DUPLICATE-1 (400-275450-10)				5/6/25	10:50 Eastern	G	Water						

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				<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> 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: 5/8/25 17:00	Company: _____	Received by: _____	Date/Time: 5/9/25 10:22	Company: _____
Relinquished by: _____	Date/Time: _____	Company: _____	Received by: _____	Date/Time: _____	Company: _____
Relinquished by: _____	Date/Time: _____	Company: _____	Received by: _____	Date/Time: _____	Company: _____

Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No	Custody Seal No.: _____	Cooler Temperature(s) °C and Other Remarks: 20.4 / 20.4
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Login Sample Receipt Checklist

Client: S&ME Inc

Job Number: 400-275450-1

Login Number: 275450

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	1.1°C, 5.1°C IR8
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	



Login Sample Receipt Checklist

Client: S&ME Inc

Job Number: 400-275450-1

Login Number: 275450
List Number: 2
Creator: Lincoln, Alyssa

List Source: Eurofins Savannah
List Creation: 05/09/25 11:05 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.	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	





Project Name	East Durham Park
S&ME Project No.	23050630
Date of Review	June 6, 2025

1.0 Project Identification

Project Description	Soil Gas Sampling
Project Location	East Durham Park, Durham, Durham County, NC
NCDEQ ID	NONCD0000821
PRLF Task Order(s)	821RI-10

2.0 Laboratory Information

Primary Laboratory Name	EMSL Analytical (Mercury – NIOSH 6009)
Location	10801 Southern Loop Blvd. Pineville, NC 28134
Pace Lab Report IDs, and Sample Collection Dates	412504191 (dated 4/30/25), Collected on 4/16/25

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

COC Item	Yes	No	Comments
COC Signed by All Parties	X		
Correct Project No. on COC	X		
Cooler Temperature in Compliance			N/A - Air Samples
Samples Received Within Holding Time	X		
Samples Received in Acceptable Condition	X		
QA/QC Samples Received in Acceptable Condition	X		



4.0 Laboratory Quality Control Review

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

5.0 Data Review Summary

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



EMSL Analytical, Inc.

10801 Southern Loop Blvd, Pineville, NC 28134

Phone: (704) 525-2205 Fax: (704) 525-2382 Email: charlottelab@emsl.com

Attn:

Gerald Paul
S&ME, Inc.
3201 Spring Forest Rd
Raleigh, NC 27616

Phone: (919) 801-6482

Fax: (919) 790-9827

4/30/2025

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 4/23/2025. The results are tabulated on the attached data pages for the following client designated project:

East Durham Park 22050630 Phase T

The reference number for these samples is EMSL Order #412504191. 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: 412504191

CustomerID: SMEI60

CustomerPO: 22050630

ProjectID:

Attn: **Gerald Paul**
S&ME, Inc.
3201 Spring Forest Rd
Raleigh, NC 27616

Phone: (919) 801-6482
 Fax: (919) 790-9827
 Received: 4/23/2025 03:30 PM
 Collected: 4/16/2025

Project: East Durham Park 22050630 Phase T

Analytical Results

Client Sample Description LFGP-8 **Collected:** 4/16/2025 **Lab ID:** 412504191-0001

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
Mercury by CVAA, NIOSH 6009	Mercury	ND	0.83 µg/m ³	4/30/2025 NC	4/30/2025 NC 12:30

Client Sample Description LFGP-7 **Collected:** 4/16/2025 **Lab ID:** 412504191-0002

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
Mercury by CVAA, NIOSH 6009	Mercury	ND	0.83 µg/m ³	4/30/2025 NC	4/30/2025 NC 12:30

Client Sample Description LFGP-6 **Collected:** 4/16/2025 **Lab ID:** 412504191-0003

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
Mercury by CVAA, NIOSH 6009	Mercury	ND	0.83 µg/m ³	4/30/2025 NC	4/30/2025 NC 12:30

Client Sample Description LFGP-5 **Collected:** 4/16/2025 **Lab ID:** 412504191-0004

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
Mercury by CVAA, NIOSH 6009	Mercury	ND	0.83 µg/m ³	4/30/2025 NC	4/30/2025 NC 12:30

Client Sample Description LFGP-Dup **Collected:** 4/16/2025 **Lab ID:** 412504191-0005

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
Mercury by CVAA, NIOSH 6009	Mercury	ND	0.83 µg/m ³	4/30/2025 NC	4/30/2025 NC 12:30

**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:	412504191
CustomerID:	SMEI60
CustomerPO:	22050630
ProjectID:	

Attn: **Gerald Paul**
S&ME, Inc.
3201 Spring Forest Rd
Raleigh, NC 27616

Phone: (919) 801-6482
 Fax: (919) 790-9827
 Received: 4/23/2025 03:30 PM
 Collected: 4/16/2025

Project: East Durham Park 22050630 Phase T

Analytical Results

Client Sample Description LFGP-9 **Collected:** 4/16/2025 **Lab ID:** 412504191-0006

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
Mercury by CVAA, NIOSH 6009	Mercury	ND	0.83 µg/m³	4/30/2025 NC	4/30/2025 NC 12:30

Client Sample Description LFGP-4 **Collected:** 4/16/2025 **Lab ID:** 412504191-0007

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
Mercury by CVAA, NIOSH 6009	Mercury	ND	0.83 µg/m³	4/30/2025 NC	4/30/2025 NC 12:30

Client Sample Description LFGP-2 **Collected:** 4/16/2025 **Lab ID:** 412504191-0008

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
Mercury by CVAA, NIOSH 6009	Mercury	ND	0.83 µg/m³	4/30/2025 NC	4/30/2025 NC 12:30

Client Sample Description LFGP-3 **Collected:** 4/16/2025 **Lab ID:** 412504191-0009

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
Mercury by CVAA, NIOSH 6009	Mercury	ND	0.83 µg/m³	4/30/2025 NC	4/30/2025 NC 12:30

Client Sample Description LFGP-1 **Collected:** 4/16/2025 **Lab ID:** 412504191-0010

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
Mercury by CVAA, NIOSH 6009	Mercury	ND	0.83 µg/m³	4/30/2025 NC	4/30/2025 NC 12:30



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:	412504191
CustomerID:	SMEI60
CustomerPO:	22050630
ProjectID:	

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



Project Name	East Durham Park
S&ME Project No.	23050630
Date of Review	June 6, 2025

1.0 Project Identification

Project Description	Soil Gas Sampling
Project Location	East Durham Park, Durham, Durham County, NC
NCDEQ ID	NONCD0000821
PRLF Task Order(s)	821RI-10

2.0 Laboratory Information

Primary Laboratory Name	Enthalpy Analytical (VOCs - TO-15, Methane – EPA3C, and Hydrogen Sulfide - TO-15)
Location	1941 Reymet Road, Richmond, VA 23237
Pace Lab Report IDs, and Sample Collection Dates	25D1905 (dated 5/5/25), Collected on 4/16/25 and 4/17/25

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

COC Item	Yes	No	Comments
COC Signed by All Parties	X		
Correct Project No. on COC	X		
Cooler Temperature in Compliance			N/A - Air Samples
Samples Received Within Holding Time	X		
Samples Received in Acceptable Condition	X		
QA/QC Samples Received in Acceptable Condition	X		



4.0 Laboratory Quality Control Review

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

5.0 Data Review Summary

<p>S&ME has reviewed the analytical results for the samples collected and submitted to the laboratory for quality and validity. Quality control and assurance concerns have been discussed within the report, and accuracy and precision were determined by an evaluation of the laboratory control spike recovery and laboratory duplicate analysis, respectively.</p> <p>S&ME did not identify significant qualitative or quantitative limitations associated with the laboratory analytical results. Therefore, the laboratory data appears suitable for its intended use. Due to a high sample dilution, the lab was unable to meet the required MDL for Hydrogen Sulfide.</p>	
Reviewed By	Gerald Paul – Senior Project Manager



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

Certificate of Analysis

Final Report

Laboratory Order ID 25D1905

Client Name:	S&ME - Raleigh	Date Received:	April 21, 2025 12:01
	3201 Spring Forest Road	Date Issued:	May 5, 2025 13:38
	Raleigh, NC 27616	Project Number:	2205630
Submitted To:	Jerry Paul	Purchase Order:	

Client Site I.D.: East Durham Parks

Enclosed are the results of analyses for samples received by the laboratory on 04/21/2025 12:01. If you have any questions concerning this report, please feel free to contact the laboratory.

Sincerely,

A handwritten signature in black ink that reads 'Sarah R. Endsley'.

Sarah R. Endsley
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.

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Certificate of Analysis

Final Report

Laboratory Order ID 25D1905

Client Name: S&ME - Raleigh Date Received: April 21, 2025 12:01
 3201 Spring Forest Road Date Issued: May 5, 2025 13:38
 Raleigh, NC 27616 Project Number: 2205630
 Submitted To: Jerry Paul Purchase Order:
 Client Site I.D.: East Durham Parks

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
LFGP-1	25D1905-01	Air	04/17/2025 13:30	04/21/2025 12:01
LFGP-3	25D1905-02	Air	04/17/2025 13:10	04/21/2025 12:01
LFGP-2	25D1905-03	Air	04/17/2025 13:05	04/21/2025 12:01
LFGP-4	25D1905-05	Air	04/17/2025 13:00	04/21/2025 12:01
LFGP-8	25D1905-06	Air	04/16/2025 13:45	04/21/2025 12:01
LFGP-9	25D1905-07	Air	04/17/2025 12:50	04/21/2025 12:01
LFGP-7	25D1905-08	Air	04/16/2025 13:25	04/21/2025 12:01



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

Certificate of Analysis

Final Report

Laboratory Order ID 25D1905

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

Date Received: April 21, 2025 12:01
Date Issued: May 5, 2025 13:38

Raleigh, NC 27616

Submitted To: Jerry Paul

Project Number: 2205630

Client Site I.D.: East Durham Parks

Purchase Order:

ANALYTICAL RESULTS

Field Sample #: LFGP-1

Project Location:

Sample ID: 25D1905-01

Canister ID: 063-00432::44621

Initial Vacuum(in Hg): 30

Sample Matrix: Air

Canister Size: 6L

Final Vacuum(in Hg): 8

Sampled: 4/17/2025 13:30

Flow Controller ID: 063-00930::20257

Receipt Vacuum(in Hg): 9.8

Sample Type: LV

Flow Controller Type: Passive

Sulfur Volatile Organic Compounds by GCMS EPA TO-15

Analyte	ppbv			Flag/Qual	ug/M ³			Dilution	PF	Date/Time Analyzed	Analyst
	Results	MDL	LOQ		Results	MDL	LOQ				
Hydrogen Sulfide, as received	ND	30.0	30.0		ND	42	42	3	1	5/1/25 19:53	DFH
Surrogate(s)	% Recovery				% Recovery Limits						
1,4-Difluorobenzene (Surr), as received			98.8				80-120			5/1/25 19:53	

Volatile Organic Compounds by GC/TCD - Unadjusted, as received basis EPA 3C

Analyte	Vol%			Flag/Qual	Dilution	PF	Date/Time Analyzed	Analyst
	Result	MDL	LOQ					
Methane, as received	ND	0.45	0.45		9	1	4/25/25 16:31	NSD
Carbon dioxide, as received	0.79	0.45	0.45		9	1	4/25/25 16:31	NSD
Oxygen (O2), as received	20.1	0.45	0.45		9	1	4/25/25 16:31	NSD
Hydrogen (H2), as received	ND	0.18	0.18		9	1	4/25/25 16:31	NSD
Nitrogen (N2), as received	74.5	18.0	18.0		18	1	5/4/25 15:56	NSD
Carbon Monoxide, as received	ND	0.009	0.009		9	1	4/25/25 16:31	NSD

Volatile Organic Compounds by GCMS EPA TO-15

Analyte	ppbv			Flag/Qual	ug/M ³			Dilution	PF	Date/Time Analyzed	Analyst
	Results	MDL	LOQ		Results	MDL	LOQ				
1,1,1-Trichloroethane	ND	1.50	3.75		ND	8.2	20	3	2.5	4/30/25 0:47	DFH
1,1,1,2-Tetrachloroethane	ND	1.50	3.75		ND	10	26	3	2.5	4/30/25 0:47	DFH
1,1,2,2-Tetrachloroethane	ND	1.50	3.75		ND	10	26	3	2.5	4/30/25 0:47	DFH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.50	3.75		ND	11	29	3	2.5	4/30/25 0:47	DFH
1,1,2-Trichloroethane	ND	1.50	3.75		ND	8.2	20	3	2.5	4/30/25 0:47	DFH
1,1-Dichloroethane	ND	1.50	3.75		ND	6.1	15	3	2.5	4/30/25 0:47	DFH
1,1-Dichloroethylene	ND	1.50	3.75		ND	5.9	15	3	2.5	4/30/25 0:47	DFH
1,2,4-Trimethylbenzene	ND	1.50	3.75		ND	7.4	18	3	2.5	4/30/25 0:47	DFH
1,2-Dibromoethane (EDB)	ND	1.50	3.75		ND	12	29	3	2.5	4/30/25 0:47	DFH



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Certificate of Analysis

Final Report

Laboratory Order ID 25D1905

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

Date Received: April 21, 2025 12:01
Date Issued: May 5, 2025 13:38

Raleigh, NC 27616

Submitted To: Jerry Paul

Project Number: 2205630

Client Site I.D.: East Durham Parks

Purchase Order:

ANALYTICAL RESULTS

Field Sample #: LFGP-1

Project Location:

Sample ID: 25D1905-01

Canister ID: 063-00432::44621

Initial Vacuum(in Hg): 30

Sample Matrix: Air

Canister Size: 6L

Final Vacuum(in Hg): 8

Sampled: 4/17/2025 13:30

Flow Controller ID: 063-00930::20257

Receipt Vacuum(in Hg): 9.8

Sample Type: LV

Flow Controller Type: Passive

Volatile Organic Compounds by GCMS EPA TO-15

Analyte	ppbv			Flag/Qual	ug/M ³			Dilution	PF	Date/Time Analyzed	Analyst
	Results	MDL	LOQ		Results	MDL	LOQ				
1,2-Dichlorobenzene	ND	1.50	3.75		ND	9.0	23	3	2.5	4/30/25 0:47	DFH
1,2-Dichloroethane	ND	1.50	3.75		ND	6.1	15	3	2.5	4/30/25 0:47	DFH
1,2-Dichloropropane	ND	1.50	3.75		ND	6.9	17	3	2.5	4/30/25 0:47	DFH
1,2-Dichlorotetrafluoroethane	ND	1.50	3.75		ND	10	26	3	2.5	4/30/25 0:47	DFH
1,3,5-Trimethylbenzene	ND	1.50	3.75		ND	7.4	18	3	2.5	4/30/25 0:47	DFH
1,3-Butadiene	ND	1.50	3.75		ND	3.3	8.3	3	2.5	4/30/25 0:47	DFH
1,3-Dichlorobenzene	ND	1.50	3.75		ND	9.0	23	3	2.5	4/30/25 0:47	DFH
1,4-Dichlorobenzene	ND	1.50	3.75		ND	9.0	23	3	2.5	4/30/25 0:47	DFH
1,4-Dioxane	ND	1.50	3.75		ND	5.4	14	3	2.5	4/30/25 0:47	DFH
2-Butanone (MEK)	ND	1.50	3.75		ND	4.4	11	3	2.5	4/30/25 0:47	DFH
2-Chlorotoluene	ND	1.50	3.75		ND	7.8	19	3	2.5	4/30/25 0:47	DFH
2-Hexanone (MBK)	ND	1.50	3.75		ND	6.1	15	3	2.5	4/30/25 0:47	DFH
4-Methyl-2-pentanone (MIBK)	ND	1.50	3.75		ND	17	43	3	2.5	4/30/25 0:47	DFH
Allyl chloride	ND	1.50	3.75		ND	4.7	12	3	2.5	4/30/25 0:47	DFH
Benzene	1.50	1.50	1.50		4.8	4.8	4.8	3	2.5	4/30/25 0:47	DFH
Benzyl Chloride	ND	1.50	3.75		ND	7.8	19	3	2.5	4/30/25 0:47	DFH
Bromoform	ND	1.50	3.75		ND	16	39	3	2.5	4/30/25 0:47	DFH
Bromomethane	ND	1.50	3.75		ND	5.8	15	3	2.5	4/30/25 0:47	DFH
Carbon Disulfide	ND	3.75	3.75		ND	12	12	3	2.5	4/30/25 0:47	DFH
Carbon Tetrachloride	ND	1.50	3.75		ND	9.4	24	3	2.5	4/30/25 0:47	DFH
Chlorobenzene	ND	1.50	3.75		ND	6.9	17	3	2.5	4/30/25 0:47	DFH
Chloroethane	ND	1.50	3.75		ND	4.0	9.9	3	2.5	4/30/25 0:47	DFH
Chloroform	ND	1.50	1.50		ND	7.3	7.3	3	2.5	4/30/25 0:47	DFH
Chloromethane	ND	1.50	3.75		ND	3.1	7.7	3	2.5	4/30/25 0:47	DFH
cis-1,2-Dichloroethylene	ND	1.50	3.75		ND	5.9	15	3	2.5	4/30/25 0:47	DFH
cis-1,3-Dichloropropene	ND	1.50	3.75		ND	6.8	17	3	2.5	4/30/25 0:47	DFH
Cyclohexane	ND	1.50	3.75		ND	5.2	13	3	2.5	4/30/25 0:47	DFH
Dibromochloromethane	ND	1.50	3.75		ND	13	32	3	2.5	4/30/25 0:47	DFH
Dichlorodifluoromethane	ND	3.75	3.75		ND	19	19	3	2.5	4/30/25 0:47	DFH



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Certificate of Analysis

Final Report

Laboratory Order ID 25D1905

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3201 Spring Forest Road

Date Received: April 21, 2025 12:01
Date Issued: May 5, 2025 13:38

Raleigh, NC 27616

Submitted To: Jerry Paul

Project Number: 2205630

Client Site I.D.: East Durham Parks

Purchase Order:

ANALYTICAL RESULTS

Field Sample #: LFGP-1

Project Location:

Sample ID: 25D1905-01

Canister ID: 063-00432::44621

Initial Vacuum(in Hg): 30

Sample Matrix: Air

Canister Size: 6L

Final Vacuum(in Hg): 8

Sampled: 4/17/2025 13:30

Flow Controller ID: 063-00930::20257

Receipt Vacuum(in Hg): 9.8

Sample Type: LV

Flow Controller Type: Passive

Volatile Organic Compounds by GCMS EPA TO-15

Analyte	ppbv			Flag/Qual	ug/M ³			Dilution	PF	Date/Time Analyzed	Analyst
	Results	MDL	LOQ		Results	MDL	LOQ				
Ethyl acetate	ND	1.50	3.75		ND	5.4	14	3	2.5	4/30/25 0:47	DFH
Ethylbenzene	ND	1.50	3.75		ND	6.5	16	3	2.5	4/30/25 0:47	DFH
Heptane	4.88	1.50	3.75		20	6.1	15	3	2.5	4/30/25 0:47	DFH
Hexachlorobutadiene	ND	1.50	3.75		ND	16	40	3	2.5	4/30/25 0:47	DFH
Hexane	10.5	1.50	3.75		37	5.3	13	3	2.5	4/30/25 0:47	DFH
Isopropylbenzene	ND	1.50	3.75		ND	7.4	18	3	2.5	4/30/25 0:47	DFH
m+p-Xylenes	ND	3.00	7.50		ND	13	33	3	2.5	4/30/25 0:47	DFH
Methyl methacrylate	ND	1.50	3.75		ND	6.1	15	3	2.5	4/30/25 0:47	DFH
Methylene chloride	ND	3.75	7.50		ND	13	26	3	2.5	4/30/25 0:47	DFH
Methyl-t-butyl ether (MTBE)	ND	1.50	3.75		ND	5.4	14	3	2.5	4/30/25 0:47	DFH
Naphthalene	ND	1.50	1.50		ND	7.9	7.9	3	2.5	4/30/25 0:47	DFH
o-Xylene	ND	1.50	3.75		ND	6.5	16	3	2.5	4/30/25 0:47	DFH
Propylene	ND	1.20	1.20		ND	2.1	2.1	3	2.5	4/30/25 0:47	DFH
Styrene	ND	1.50	3.75		ND	6.4	16	3	2.5	4/30/25 0:47	DFH
TBA	ND	3.75	3.75		ND	11	11	3	2.5	4/30/25 0:47	DFH
Tetrachloroethylene (PCE)	ND	1.50	3.75		ND	10	25	3	2.5	4/30/25 0:47	DFH
Tetrahydrofuran	ND	1.50	3.75		ND	4.4	11	3	2.5	4/30/25 0:47	DFH
Toluene	ND	1.50	3.75		ND	5.7	14	3	2.5	4/30/25 0:47	DFH
trans-1,2-Dichloroethylene	ND	1.50	3.75		ND	5.9	15	3	2.5	4/30/25 0:47	DFH
trans-1,3-Dichloropropene	ND	1.50	3.75		ND	6.8	17	3	2.5	4/30/25 0:47	DFH
Trichloroethylene	ND	1.50	1.50		ND	8.1	8.1	3	2.5	4/30/25 0:47	DFH
Trichlorofluoromethane	ND	3.75	3.75		ND	21	21	3	2.5	4/30/25 0:47	DFH
Vinyl acetate	ND	1.50	3.75		ND	5.3	13	3	2.5	4/30/25 0:47	DFH
Vinyl bromide	ND	1.50	3.75		ND	6.6	16	3	2.5	4/30/25 0:47	DFH
Vinyl chloride	ND	1.50	3.75		ND	3.8	9.6	3	2.5	4/30/25 0:47	DFH
Xylenes, Total	ND	4.50	11.2		ND	20	49	3	2.5	4/30/25 0:47	DFH
Surrogate(s)	% Recovery			% Recovery Limits							
4-Bromofluorobenzene (Surr)	94.6			80-120						4/30/25 0:47	



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Certificate of Analysis

Final Report

Laboratory Order ID 25D1905

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3201 Spring Forest Road

Date Received: April 21, 2025 12:01
Date Issued: May 5, 2025 13:38

Raleigh, NC 27616

Submitted To: Jerry Paul

Project Number: 2205630

Client Site I.D.: East Durham Parks

Purchase Order:

ANALYTICAL RESULTS

Field Sample #: LFGP-1

Project Location:

Sample ID: 25D1905-01

Canister ID: 063-00432::44621

Initial Vacuum(in Hg): 30

Sample Matrix: Air

Canister Size: 6L

Final Vacuum(in Hg): 8

Sampled: 4/17/2025 13:30

Flow Controller ID: 063-00930::20257

Receipt Vacuum(in Hg): 9.8

Sample Type: LV

Flow Controller Type: Passive



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Final Report

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3201 Spring Forest Road

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Date Issued: May 5, 2025 13:38

Raleigh, NC 27616

Submitted To: Jerry Paul

Project Number: 2205630

Client Site I.D.: East Durham Parks

Purchase Order:

ANALYTICAL RESULTS

Field Sample #: LFGP-3

Project Location:

Sample ID: 25D1905-02

Canister ID: 063-00647::47527

Initial Vacuum(in Hg): 30

Sample Matrix: Air

Canister Size: 6L

Final Vacuum(in Hg): 7

Sampled: 4/17/2025 13:10

Flow Controller ID: 063-00398::10519

Receipt Vacuum(in Hg): 0.8

Sample Type: LV

Flow Controller Type: Passive

Sulfur Volatile Organic Compounds by GCMS EPA TO-15

Analyte	ppbv			Flag/Qual	ug/M ³			Dilution	PF	Date/Time Analyzed	Analyst
	Results	MDL	LOQ		Results	MDL	LOQ				
Hydrogen Sulfide, as received	ND	45.0	45.0		ND	63	63	4.5	1	5/1/25 17:40	DFH
Surrogate(s)	% Recovery				% Recovery Limits						
1,4-Difluorobenzene (Surr), as received		99.9				80-120				5/1/25 17:40	

Volatile Organic Compounds by GC/TCD - Unadjusted, as received basis EPA 3C

Analyte	Vol%			Flag/Qual	Dilution	PF	Date/Time Analyzed	Analyst
	Result	MDL	LOQ					
Methane, as received	ND	0.45	0.45		9	1	4/25/25 17:16	NSD
Carbon dioxide, as received	0.79	0.45	0.45		9	1	4/25/25 17:16	NSD
Oxygen (O2), as received	20.1	0.45	0.45		9	1	4/25/25 17:16	NSD
Hydrogen (H2), as received	ND	0.18	0.18		9	1	4/25/25 17:16	NSD
Nitrogen (N2), as received	71.0	27.0	27.0		27	1	5/4/25 16:15	NSD
Carbon Monoxide, as received	ND	0.009	0.009		9	1	4/25/25 17:16	NSD

Volatile Organic Compounds by GCMS EPA TO-15

Analyte	ppbv			Flag/Qual	ug/M ³			Dilution	PF	Date/Time Analyzed	Analyst
	Results	MDL	LOQ		Results	MDL	LOQ				
1,1,1-Trichloroethane	ND	2.25	5.62		ND	12	31	4.5	2.5	4/30/25 13:50	DFH
1,1,1,2-Tetrachloroethane	ND	2.25	5.62		ND	15	39	4.5	2.5	4/30/25 13:50	DFH
1,1,2,2-Tetrachloroethane	ND	2.25	5.62		ND	15	39	4.5	2.5	4/30/25 13:50	DFH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	2.25	5.62		ND	17	43	4.5	2.5	4/30/25 13:50	DFH
1,1,2-Trichloroethane	ND	2.25	5.62		ND	12	31	4.5	2.5	4/30/25 13:50	DFH
1,1-Dichloroethane	ND	2.25	5.62		ND	9.1	23	4.5	2.5	4/30/25 13:50	DFH
1,1-Dichloroethylene	ND	2.25	5.62		ND	8.9	22	4.5	2.5	4/30/25 13:50	DFH
1,2,4-Trimethylbenzene	ND	2.25	5.62		ND	11	28	4.5	2.5	4/30/25 13:50	DFH
1,2-Dibromoethane (EDB)	ND	2.25	5.62		ND	17	43	4.5	2.5	4/30/25 13:50	DFH



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Final Report

Laboratory Order ID 25D1905

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

Date Received: April 21, 2025 12:01
Date Issued: May 5, 2025 13:38

Raleigh, NC 27616

Submitted To: Jerry Paul

Project Number: 2205630

Client Site I.D.: East Durham Parks

Purchase Order:

ANALYTICAL RESULTS

Field Sample #: LFGP-3

Project Location:

Sample ID: 25D1905-02

Canister ID: 063-00647::47527

Initial Vacuum(in Hg): 30

Sample Matrix: Air

Canister Size: 6L

Final Vacuum(in Hg): 7

Sampled: 4/17/2025 13:10

Flow Controller ID: 063-00398::10519

Receipt Vacuum(in Hg): 0.8

Sample Type: LV

Flow Controller Type: Passive

Volatile Organic Compounds by GCMS EPA TO-15

Analyte	ppbv			Flag/Qual	ug/M ³			Dilution	PF	Date/Time Analyzed	Analyst
	Results	MDL	LOQ		Results	MDL	LOQ				
1,2-Dichlorobenzene	ND	2.25	5.62		ND	14	34	4.5	2.5	4/30/25 13:50	DFH
1,2-Dichloroethane	ND	2.25	5.62		ND	9.1	23	4.5	2.5	4/30/25 13:50	DFH
1,2-Dichloropropane	ND	2.25	5.62		ND	10	26	4.5	2.5	4/30/25 13:50	DFH
1,2-Dichlorotetrafluoroethane	ND	2.25	5.62		ND	16	39	4.5	2.5	4/30/25 13:50	DFH
1,3,5-Trimethylbenzene	ND	2.25	5.62		ND	11	28	4.5	2.5	4/30/25 13:50	DFH
1,3-Butadiene	ND	2.25	5.62		ND	5.0	12	4.5	2.5	4/30/25 13:50	DFH
1,3-Dichlorobenzene	ND	2.25	5.62		ND	14	34	4.5	2.5	4/30/25 13:50	DFH
1,4-Dichlorobenzene	ND	2.25	5.62		ND	14	34	4.5	2.5	4/30/25 13:50	DFH
1,4-Dioxane	ND	2.25	5.62		ND	8.1	20	4.5	2.5	4/30/25 13:50	DFH
2-Butanone (MEK)	ND	2.25	5.62		ND	6.6	17	4.5	2.5	4/30/25 13:50	DFH
2-Chlorotoluene	ND	2.25	5.62		ND	12	29	4.5	2.5	4/30/25 13:50	DFH
2-Hexanone (MBK)	ND	2.25	5.62		ND	9.2	23	4.5	2.5	4/30/25 13:50	DFH
4-Methyl-2-pentanone (MIBK)	ND	2.25	5.62		ND	26	64	4.5	2.5	4/30/25 13:50	DFH
Allyl chloride	ND	2.25	5.62		ND	7.0	18	4.5	2.5	4/30/25 13:50	DFH
Benzene	ND	2.25	2.25		ND	7.2	7.2	4.5	2.5	4/30/25 13:50	DFH
Benzyl Chloride	ND	2.25	5.62		ND	12	29	4.5	2.5	4/30/25 13:50	DFH
Bromoform	ND	2.25	5.62		ND	23	58	4.5	2.5	4/30/25 13:50	DFH
Bromomethane	ND	2.25	5.62		ND	8.7	22	4.5	2.5	4/30/25 13:50	DFH
Carbon Disulfide	ND	5.62	5.62		ND	18	18	4.5	2.5	4/30/25 13:50	DFH
Carbon Tetrachloride	ND	2.25	5.62		ND	14	35	4.5	2.5	4/30/25 13:50	DFH
Chlorobenzene	ND	2.25	5.62		ND	10	26	4.5	2.5	4/30/25 13:50	DFH
Chloroethane	ND	2.25	5.62		ND	5.9	15	4.5	2.5	4/30/25 13:50	DFH
Chloroform	ND	2.25	2.25		ND	11	11	4.5	2.5	4/30/25 13:50	DFH
Chloromethane	ND	2.25	5.62		ND	4.6	12	4.5	2.5	4/30/25 13:50	DFH
cis-1,2-Dichloroethylene	ND	2.25	5.62		ND	8.9	22	4.5	2.5	4/30/25 13:50	DFH
cis-1,3-Dichloropropene	ND	2.25	5.62		ND	10	26	4.5	2.5	4/30/25 13:50	DFH
Cyclohexane	ND	2.25	5.62		ND	7.7	19	4.5	2.5	4/30/25 13:50	DFH
Dibromochloromethane	ND	2.25	5.62		ND	19	48	4.5	2.5	4/30/25 13:50	DFH
Dichlorodifluoromethane	ND	5.62	5.62		ND	28	28	4.5	2.5	4/30/25 13:50	DFH



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Final Report

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3201 Spring Forest Road

Date Received: April 21, 2025 12:01
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Raleigh, NC 27616

Submitted To: Jerry Paul

Project Number: 2205630

Client Site I.D.: East Durham Parks

Purchase Order:

ANALYTICAL RESULTS

Field Sample #: LFGP-3

Project Location:

Sample ID: 25D1905-02

Canister ID: 063-00647::47527

Initial Vacuum(in Hg): 30

Sample Matrix: Air

Canister Size: 6L

Final Vacuum(in Hg): 7

Sampled: 4/17/2025 13:10

Flow Controller ID: 063-00398::10519

Receipt Vacuum(in Hg): 0.8

Sample Type: LV

Flow Controller Type: Passive

Volatile Organic Compounds by GCMS EPA TO-15

Analyte	ppbv			Flag/Qual	ug/M ³			Dilution	PF	Date/Time Analyzed	Analyst
	Results	MDL	LOQ		Results	MDL	LOQ				
Ethyl acetate	ND	2.25	5.62		ND	8.1	20	4.5	2.5	4/30/25 13:50	DFH
Ethylbenzene	ND	2.25	5.62		ND	9.8	24	4.5	2.5	4/30/25 13:50	DFH
Heptane	ND	2.25	5.62		ND	9.2	23	4.5	2.5	4/30/25 13:50	DFH
Hexachlorobutadiene	ND	2.25	5.62		ND	24	60	4.5	2.5	4/30/25 13:50	DFH
Hexane	2.36	2.25	5.62	J	8.3	7.9	20	4.5	2.5	4/30/25 13:50	DFH
Isopropylbenzene	ND	2.25	5.62		ND	11	28	4.5	2.5	4/30/25 13:50	DFH
m+p-Xylenes	ND	4.50	11.2		ND	20	49	4.5	2.5	4/30/25 13:50	DFH
Methyl methacrylate	ND	2.25	5.62		ND	9.2	23	4.5	2.5	4/30/25 13:50	DFH
Methylene chloride	20.1	5.62	11.2		70	20	39	4.5	2.5	4/30/25 13:50	DFH
Methyl-t-butyl ether (MTBE)	ND	2.25	5.62		ND	8.1	20	4.5	2.5	4/30/25 13:50	DFH
Naphthalene	ND	2.25	2.25		ND	12	12	4.5	2.5	4/30/25 13:50	DFH
o-Xylene	ND	2.25	5.62		ND	9.8	24	4.5	2.5	4/30/25 13:50	DFH
Propylene	14.6	1.80	1.80		25	3.1	3.1	4.5	2.5	4/30/25 13:50	DFH
Styrene	ND	2.25	5.62		ND	9.6	24	4.5	2.5	4/30/25 13:50	DFH
TBA	ND	5.62	5.62		ND	17	17	4.5	2.5	4/30/25 13:50	DFH
Tetrachloroethylene (PCE)	ND	2.25	5.62		ND	15	38	4.5	2.5	4/30/25 13:50	DFH
Tetrahydrofuran	ND	2.25	5.62		ND	6.6	17	4.5	2.5	4/30/25 13:50	DFH
Toluene	ND	2.25	5.62		ND	8.5	21	4.5	2.5	4/30/25 13:50	DFH
trans-1,2-Dichloroethylene	ND	2.25	5.62		ND	8.9	22	4.5	2.5	4/30/25 13:50	DFH
trans-1,3-Dichloropropene	ND	2.25	5.62		ND	10	26	4.5	2.5	4/30/25 13:50	DFH
Trichloroethylene	ND	2.25	2.25		ND	12	12	4.5	2.5	4/30/25 13:50	DFH
Trichlorofluoromethane	ND	5.62	5.62		ND	32	32	4.5	2.5	4/30/25 13:50	DFH
Vinyl acetate	ND	2.25	5.62		ND	7.9	20	4.5	2.5	4/30/25 13:50	DFH
Vinyl bromide	ND	2.25	5.62		ND	9.8	25	4.5	2.5	4/30/25 13:50	DFH
Vinyl chloride	ND	2.25	5.62		ND	5.8	14	4.5	2.5	4/30/25 13:50	DFH
Xylenes, Total	ND	6.75	16.9		ND	29	73	4.5	2.5	4/30/25 13:50	DFH
Surrogate(s)	% Recovery			% Recovery Limits							
4-Bromofluorobenzene (Surr)	94.2			80-120						4/30/25 13:50	



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Certificate of Analysis

Final Report

Laboratory Order ID 25D1905

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

Date Received: April 21, 2025 12:01
Date Issued: May 5, 2025 13:38

Raleigh, NC 27616

Submitted To: Jerry Paul

Project Number: 2205630

Client Site I.D.: East Durham Parks

Purchase Order:

ANALYTICAL RESULTS

Field Sample #: LFGP-3

Project Location:

Sample ID: 25D1905-02

Canister ID: 063-00647::47527

Initial Vacuum(in Hg): 30

Sample Matrix: Air

Canister Size: 6L

Final Vacuum(in Hg): 7

Sampled: 4/17/2025 13:10

Flow Controller ID: 063-00398::10519

Receipt Vacuum(in Hg): 0.8

Sample Type: LV

Flow Controller Type: Passive



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Final Report

Laboratory Order ID 25D1905

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

Date Received: April 21, 2025 12:01
Date Issued: May 5, 2025 13:38

Raleigh, NC 27616

Submitted To: Jerry Paul

Project Number: 2205630

Client Site I.D.: East Durham Parks

Purchase Order:

ANALYTICAL RESULTS

Field Sample #: LFGP-2

Project Location:

Sample ID: 25D1905-03

Canister ID: 063-00689::48085

Initial Vacuum(in Hg): 30

Sample Matrix: Air

Canister Size: 6L

Final Vacuum(in Hg): 8

Sampled: 4/17/2025 13:05

Flow Controller ID: 063-00799::20121

Receipt Vacuum(in Hg): 9.6

Sample Type: LV

Flow Controller Type: Passive

Sulfur Volatile Organic Compounds by GCMS EPA TO-15

Analyte	ppbv			Flag/Qual	ug/M ³			Dilution	PF	Date/Time Analyzed	Analyst
	Results	MDL	LOQ		Results	MDL	LOQ				
Hydrogen Sulfide, as received	ND	30.0	30.0		ND	42	42	3	1	5/1/25 20:36	DFH
Surrogate(s)	% Recovery				% Recovery Limits						
1,4-Difluorobenzene (Surr), as received			101				80-120			5/1/25 20:36	

Volatile Organic Compounds by GC/TCD - Unadjusted, as received basis EPA 3C

Analyte	Vol%			Flag/Qual	Dilution	PF	Date/Time Analyzed	Analyst
	Result	MDL	LOQ					
Methane, as received	ND	0.45	0.45		9	1	4/25/25 18:05	NSD
Carbon dioxide, as received	ND	0.45	0.45		9	1	4/25/25 18:05	NSD
Oxygen (O2), as received	20.9	0.45	0.45		9	1	4/25/25 18:05	NSD
Hydrogen (H2), as received	ND	0.18	0.18		9	1	4/25/25 18:05	NSD
Nitrogen (N2), as received	75.0	18.0	18.0		18	1	5/4/25 16:31	NSD
Carbon Monoxide, as received	ND	0.009	0.009		9	1	4/25/25 18:05	NSD

Volatile Organic Compounds by GCMS EPA TO-15

Analyte	ppbv			Flag/Qual	ug/M ³			Dilution	PF	Date/Time Analyzed	Analyst
	Results	MDL	LOQ		Results	MDL	LOQ				
1,1,1-Trichloroethane	ND	1.50	3.75		ND	8.2	20	3	2.5	4/30/25 12:09	DFH
1,1,1,2-Tetrachloroethane	ND	1.50	3.75		ND	10	26	3	2.5	4/30/25 12:09	DFH
1,1,2,2-Tetrachloroethane	ND	1.50	3.75		ND	10	26	3	2.5	4/30/25 12:09	DFH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.50	3.75		ND	11	29	3	2.5	4/30/25 12:09	DFH
1,1,2-Trichloroethane	ND	1.50	3.75		ND	8.2	20	3	2.5	4/30/25 12:09	DFH
1,1-Dichloroethane	ND	1.50	3.75		ND	6.1	15	3	2.5	4/30/25 12:09	DFH
1,1-Dichloroethylene	ND	1.50	3.75		ND	5.9	15	3	2.5	4/30/25 12:09	DFH
1,2,4-Trimethylbenzene	2.25	1.50	3.75	J	11	7.4	18	3	2.5	4/30/25 12:09	DFH
1,2-Dibromoethane (EDB)	ND	1.50	3.75		ND	12	29	3	2.5	4/30/25 12:09	DFH



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Final Report

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3201 Spring Forest Road

Date Received: April 21, 2025 12:01
Date Issued: May 5, 2025 13:38

Raleigh, NC 27616

Submitted To: Jerry Paul

Project Number: 2205630

Client Site I.D.: East Durham Parks

Purchase Order:

ANALYTICAL RESULTS

Field Sample #: LFGP-2

Project Location:

Sample ID: 25D1905-03

Canister ID: 063-00689::48085

Initial Vacuum(in Hg): 30

Sample Matrix: Air

Canister Size: 6L

Final Vacuum(in Hg): 8

Sampled: 4/17/2025 13:05

Flow Controller ID: 063-00799::20121

Receipt Vacuum(in Hg): 9.6

Sample Type: LV

Flow Controller Type: Passive

Volatile Organic Compounds by GCMS EPA TO-15

Analyte	ppbv			Flag/Qual	ug/M ³			Dilution	PF	Date/Time Analyzed	Analyst
	Results	MDL	LOQ		Results	MDL	LOQ				
1,2-Dichlorobenzene	ND	1.50	3.75		ND	9.0	23	3	2.5	4/30/25 12:09	DFH
1,2-Dichloroethane	ND	1.50	3.75		ND	6.1	15	3	2.5	4/30/25 12:09	DFH
1,2-Dichloropropane	ND	1.50	3.75		ND	6.9	17	3	2.5	4/30/25 12:09	DFH
1,2-Dichlorotetrafluoroethane	ND	1.50	3.75		ND	10	26	3	2.5	4/30/25 12:09	DFH
1,3,5-Trimethylbenzene	ND	1.50	3.75		ND	7.4	18	3	2.5	4/30/25 12:09	DFH
1,3-Butadiene	3.08	1.50	3.75	J	6.8	3.3	8.3	3	2.5	4/30/25 12:09	DFH
1,3-Dichlorobenzene	ND	1.50	3.75		ND	9.0	23	3	2.5	4/30/25 12:09	DFH
1,4-Dichlorobenzene	ND	1.50	3.75		ND	9.0	23	3	2.5	4/30/25 12:09	DFH
1,4-Dioxane	ND	1.50	3.75		ND	5.4	14	3	2.5	4/30/25 12:09	DFH
2-Butanone (MEK)	3.98	1.50	3.75		12	4.4	11	3	2.5	4/30/25 12:09	DFH
2-Chlorotoluene	ND	1.50	3.75		ND	7.8	19	3	2.5	4/30/25 12:09	DFH
2-Hexanone (MBK)	ND	1.50	3.75		ND	6.1	15	3	2.5	4/30/25 12:09	DFH
4-Methyl-2-pentanone (MIBK)	ND	1.50	3.75		ND	17	43	3	2.5	4/30/25 12:09	DFH
Allyl chloride	ND	1.50	3.75		ND	4.7	12	3	2.5	4/30/25 12:09	DFH
Benzene	2.25	1.50	1.50		7.2	4.8	4.8	3	2.5	4/30/25 12:09	DFH
Benzyl Chloride	ND	1.50	3.75		ND	7.8	19	3	2.5	4/30/25 12:09	DFH
Bromoform	ND	1.50	3.75		ND	16	39	3	2.5	4/30/25 12:09	DFH
Bromomethane	ND	1.50	3.75		ND	5.8	15	3	2.5	4/30/25 12:09	DFH
Carbon Disulfide	4.65	3.75	3.75		14	12	12	3	2.5	4/30/25 12:09	DFH
Carbon Tetrachloride	ND	1.50	3.75		ND	9.4	24	3	2.5	4/30/25 12:09	DFH
Chlorobenzene	ND	1.50	3.75		ND	6.9	17	3	2.5	4/30/25 12:09	DFH
Chloroethane	ND	1.50	3.75		ND	4.0	9.9	3	2.5	4/30/25 12:09	DFH
Chloroform	ND	1.50	1.50		ND	7.3	7.3	3	2.5	4/30/25 12:09	DFH
Chloromethane	ND	1.50	3.75		ND	3.1	7.7	3	2.5	4/30/25 12:09	DFH
cis-1,2-Dichloroethylene	ND	1.50	3.75		ND	5.9	15	3	2.5	4/30/25 12:09	DFH
cis-1,3-Dichloropropene	ND	1.50	3.75		ND	6.8	17	3	2.5	4/30/25 12:09	DFH
Cyclohexane	ND	1.50	3.75		ND	5.2	13	3	2.5	4/30/25 12:09	DFH
Dibromochloromethane	ND	1.50	3.75		ND	13	32	3	2.5	4/30/25 12:09	DFH
Dichlorodifluoromethane	ND	3.75	3.75		ND	19	19	3	2.5	4/30/25 12:09	DFH



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Certificate of Analysis

Final Report

Laboratory Order ID 25D1905

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

Date Received: April 21, 2025 12:01
Date Issued: May 5, 2025 13:38

Raleigh, NC 27616

Submitted To: Jerry Paul

Project Number: 2205630

Client Site I.D.: East Durham Parks

Purchase Order:

ANALYTICAL RESULTS

Field Sample #: LFQP-2

Project Location:

Sample ID: 25D1905-03

Canister ID: 063-00689::48085

Initial Vacuum(in Hg): 30

Sample Matrix: Air

Canister Size: 6L

Final Vacuum(in Hg): 8

Sampled: 4/17/2025 13:05

Flow Controller ID: 063-00799::20121

Receipt Vacuum(in Hg): 9.6

Sample Type: LV

Flow Controller Type: Passive

Volatile Organic Compounds by GCMS EPA TO-15

Analyte	ppbv			Flag/Qual	ug/M ³			Dilution	PF	Date/Time Analyzed	Analyst
	Results	MDL	LOQ		Results	MDL	LOQ				
Ethyl acetate	ND	1.50	3.75		ND	5.4	14	3	2.5	4/30/25 12:09	DFH
Ethylbenzene	ND	1.50	3.75		ND	6.5	16	3	2.5	4/30/25 12:09	DFH
Heptane	ND	1.50	3.75		ND	6.1	15	3	2.5	4/30/25 12:09	DFH
Hexachlorobutadiene	ND	1.50	3.75		ND	16	40	3	2.5	4/30/25 12:09	DFH
Hexane	1.65	1.50	3.75	J	5.8	5.3	13	3	2.5	4/30/25 12:09	DFH
Isopropylbenzene	ND	1.50	3.75		ND	7.4	18	3	2.5	4/30/25 12:09	DFH
m+p-Xylenes	ND	3.00	7.50		ND	13	33	3	2.5	4/30/25 12:09	DFH
Methyl methacrylate	ND	1.50	3.75		ND	6.1	15	3	2.5	4/30/25 12:09	DFH
Methylene chloride	ND	3.75	7.50		ND	13	26	3	2.5	4/30/25 12:09	DFH
Methyl-t-butyl ether (MTBE)	ND	1.50	3.75		ND	5.4	14	3	2.5	4/30/25 12:09	DFH
Naphthalene	2.32	1.50	1.50		12	7.9	7.9	3	2.5	4/30/25 12:09	DFH
o-Xylene	ND	1.50	3.75		ND	6.5	16	3	2.5	4/30/25 12:09	DFH
Propylene	43.3	1.20	1.20		74	2.1	2.1	3	2.5	4/30/25 12:09	DFH
Styrene	ND	1.50	3.75		ND	6.4	16	3	2.5	4/30/25 12:09	DFH
TBA	ND	3.75	3.75		ND	11	11	3	2.5	4/30/25 12:09	DFH
Tetrachloroethylene (PCE)	ND	1.50	3.75		ND	10	25	3	2.5	4/30/25 12:09	DFH
Tetrahydrofuran	ND	1.50	3.75		ND	4.4	11	3	2.5	4/30/25 12:09	DFH
Toluene	1.95	1.50	3.75	J	7.3	5.7	14	3	2.5	4/30/25 12:09	DFH
trans-1,2-Dichloroethylene	ND	1.50	3.75		ND	5.9	15	3	2.5	4/30/25 12:09	DFH
trans-1,3-Dichloropropene	ND	1.50	3.75		ND	6.8	17	3	2.5	4/30/25 12:09	DFH
Trichloroethylene	ND	1.50	1.50		ND	8.1	8.1	3	2.5	4/30/25 12:09	DFH
Trichlorofluoromethane	ND	3.75	3.75		ND	21	21	3	2.5	4/30/25 12:09	DFH
Vinyl acetate	ND	1.50	3.75		ND	5.3	13	3	2.5	4/30/25 12:09	DFH
Vinyl bromide	ND	1.50	3.75		ND	6.6	16	3	2.5	4/30/25 12:09	DFH
Vinyl chloride	ND	1.50	3.75		ND	3.8	9.6	3	2.5	4/30/25 12:09	DFH
Xylenes, Total	ND	4.50	11.2		ND	20	49	3	2.5	4/30/25 12:09	DFH
Surrogate(s)	% Recovery			% Recovery Limits							
4-Bromofluorobenzene (Surr)	95.8			80-120						4/30/25 12:09	



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Certificate of Analysis

Final Report

Laboratory Order ID 25D1905

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3201 Spring Forest Road

Date Received: April 21, 2025 12:01
Date Issued: May 5, 2025 13:38

Raleigh, NC 27616

Submitted To: Jerry Paul

Project Number: 2205630

Client Site I.D.: East Durham Parks

Purchase Order:

ANALYTICAL RESULTS

Field Sample #: LFGP-2

Project Location:

Sample ID: 25D1905-03

Canister ID: 063-00689::48085

Initial Vacuum(in Hg): 30

Sample Matrix: Air

Canister Size: 6L

Final Vacuum(in Hg): 8

Sampled: 4/17/2025 13:05

Flow Controller ID: 063-00799::20121

Receipt Vacuum(in Hg): 9.6

Sample Type: LV

Flow Controller Type: Passive



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Raleigh, NC 27616

Submitted To: Jerry Paul

Project Number: 2205630

Client Site I.D.: East Durham Parks

Purchase Order:

ANALYTICAL RESULTS

Field Sample #: LFGP-4

Project Location:

Sample ID: 25D1905-05

Canister ID: 063-00130::39968

Initial Vacuum(in Hg): 30

Sample Matrix: Air

Canister Size: 6L

Final Vacuum(in Hg): 8

Sampled: 4/17/2025 13:00

Flow Controller ID: 063-00393::10520

Receipt Vacuum(in Hg): 10.2

Sample Type: LV

Flow Controller Type: Passive

Sulfur Volatile Organic Compounds by GCMS EPA TO-15

Analyte	ppbv			Flag/Qual	ug/M ³			Dilution	PF	Date/Time Analyzed	Analyst
	Results	MDL	LOQ		Results	MDL	LOQ				
Hydrogen Sulfide, as received	ND	30.0	30.0		ND	42	42	3	1	5/1/25 21:21	DFH
Surrogate(s)	% Recovery				% Recovery Limits						
1,4-Difluorobenzene (Surr), as received			97.7				80-120			5/1/25 21:21	

Volatile Organic Compounds by GC/TCD - Unadjusted, as received basis EPA 3C

Analyte	Result	Vol%		Flag/Qual	Dilution	PF	Date/Time Analyzed	Analyst
		MDL	LOQ					
Methane, as received	ND	0.45	0.45		9	1	4/25/25 18:50	NSD
Carbon dioxide, as received	ND	0.45	0.45		9	1	4/25/25 18:50	NSD
Oxygen (O2), as received	20.6	0.45	0.45		9	1	4/25/25 18:50	NSD
Hydrogen (H2), as received	ND	0.18	0.18		9	1	4/25/25 18:50	NSD
Nitrogen (N2), as received	73.8	18.0	18.0		18	1	5/4/25 16:46	NSD
Carbon Monoxide, as received	ND	0.009	0.009		9	1	4/25/25 18:50	NSD

Volatile Organic Compounds by GCMS EPA TO-15

Analyte	ppbv			Flag/Qual	ug/M ³			Dilution	PF	Date/Time Analyzed	Analyst
	Results	MDL	LOQ		Results	MDL	LOQ				
1,1,1-Trichloroethane	ND	1.50	3.75		ND	8.2	20	3	2.5	4/30/25 12:59	DFH
1,1,1,2-Tetrachloroethane	ND	1.50	3.75		ND	10	26	3	2.5	4/30/25 12:59	DFH
1,1,2,2-Tetrachloroethane	ND	1.50	3.75		ND	10	26	3	2.5	4/30/25 12:59	DFH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.50	3.75		ND	11	29	3	2.5	4/30/25 12:59	DFH
1,1,2-Trichloroethane	ND	1.50	3.75		ND	8.2	20	3	2.5	4/30/25 12:59	DFH
1,1-Dichloroethane	ND	1.50	3.75		ND	6.1	15	3	2.5	4/30/25 12:59	DFH
1,1-Dichloroethylene	ND	1.50	3.75		ND	5.9	15	3	2.5	4/30/25 12:59	DFH
1,2,4-Trimethylbenzene	ND	1.50	3.75		ND	7.4	18	3	2.5	4/30/25 12:59	DFH
1,2-Dibromoethane (EDB)	ND	1.50	3.75		ND	12	29	3	2.5	4/30/25 12:59	DFH



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Raleigh, NC 27616

Submitted To: Jerry Paul

Project Number: 2205630

Client Site I.D.: East Durham Parks

Purchase Order:

ANALYTICAL RESULTS

Field Sample #: LFGP-4

Project Location:

Sample ID: 25D1905-05

Canister ID: 063-00130::39968

Initial Vacuum(in Hg): 30

Sample Matrix: Air

Canister Size: 6L

Final Vacuum(in Hg): 8

Sampled: 4/17/2025 13:00

Flow Controller ID: 063-00393::10520

Receipt Vacuum(in Hg): 10.2

Sample Type: LV

Flow Controller Type: Passive

Volatile Organic Compounds by GCMS EPA TO-15

Analyte	ppbv			Flag/Qual	ug/M ³			Dilution	PF	Date/Time Analyzed	Analyst
	Results	MDL	LOQ		Results	MDL	LOQ				
1,2-Dichlorobenzene	ND	1.50	3.75		ND	9.0	23	3	2.5	4/30/25 12:59	DFH
1,2-Dichloroethane	ND	1.50	3.75		ND	6.1	15	3	2.5	4/30/25 12:59	DFH
1,2-Dichloropropane	ND	1.50	3.75		ND	6.9	17	3	2.5	4/30/25 12:59	DFH
1,2-Dichlorotetrafluoroethane	ND	1.50	3.75		ND	10	26	3	2.5	4/30/25 12:59	DFH
1,3,5-Trimethylbenzene	ND	1.50	3.75		ND	7.4	18	3	2.5	4/30/25 12:59	DFH
1,3-Butadiene	1.88	1.50	3.75	J	4.1	3.3	8.3	3	2.5	4/30/25 12:59	DFH
1,3-Dichlorobenzene	ND	1.50	3.75		ND	9.0	23	3	2.5	4/30/25 12:59	DFH
1,4-Dichlorobenzene	ND	1.50	3.75		ND	9.0	23	3	2.5	4/30/25 12:59	DFH
1,4-Dioxane	ND	1.50	3.75		ND	5.4	14	3	2.5	4/30/25 12:59	DFH
2-Butanone (MEK)	9.90	1.50	3.75		29	4.4	11	3	2.5	4/30/25 12:59	DFH
2-Chlorotoluene	ND	1.50	3.75		ND	7.8	19	3	2.5	4/30/25 12:59	DFH
2-Hexanone (MBK)	ND	1.50	3.75		ND	6.1	15	3	2.5	4/30/25 12:59	DFH
4-Methyl-2-pentanone (MIBK)	ND	1.50	3.75		ND	17	43	3	2.5	4/30/25 12:59	DFH
Allyl chloride	ND	1.50	3.75		ND	4.7	12	3	2.5	4/30/25 12:59	DFH
Benzene	1.50	1.50	1.50		4.8	4.8	4.8	3	2.5	4/30/25 12:59	DFH
Benzyl Chloride	ND	1.50	3.75		ND	7.8	19	3	2.5	4/30/25 12:59	DFH
Bromoform	ND	1.50	3.75		ND	16	39	3	2.5	4/30/25 12:59	DFH
Bromomethane	ND	1.50	3.75		ND	5.8	15	3	2.5	4/30/25 12:59	DFH
Carbon Disulfide	49.2	3.75	3.75		150	12	12	3	2.5	4/30/25 12:59	DFH
Carbon Tetrachloride	ND	1.50	3.75		ND	9.4	24	3	2.5	4/30/25 12:59	DFH
Chlorobenzene	ND	1.50	3.75		ND	6.9	17	3	2.5	4/30/25 12:59	DFH
Chloroethane	ND	1.50	3.75		ND	4.0	9.9	3	2.5	4/30/25 12:59	DFH
Chloroform	ND	1.50	1.50		ND	7.3	7.3	3	2.5	4/30/25 12:59	DFH
Chloromethane	ND	1.50	3.75		ND	3.1	7.7	3	2.5	4/30/25 12:59	DFH
cis-1,2-Dichloroethylene	ND	1.50	3.75		ND	5.9	15	3	2.5	4/30/25 12:59	DFH
cis-1,3-Dichloropropene	ND	1.50	3.75		ND	6.8	17	3	2.5	4/30/25 12:59	DFH
Cyclohexane	ND	1.50	3.75		ND	5.2	13	3	2.5	4/30/25 12:59	DFH
Dibromochloromethane	ND	1.50	3.75		ND	13	32	3	2.5	4/30/25 12:59	DFH
Dichlorodifluoromethane	ND	3.75	3.75		ND	19	19	3	2.5	4/30/25 12:59	DFH



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Certificate of Analysis

Final Report

Laboratory Order ID 25D1905

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

Date Received: April 21, 2025 12:01
Date Issued: May 5, 2025 13:38

Raleigh, NC 27616

Submitted To: Jerry Paul

Project Number: 2205630

Client Site I.D.: East Durham Parks

Purchase Order:

ANALYTICAL RESULTS

Field Sample #: LFGP-4

Project Location:

Sample ID: 25D1905-05

Canister ID: 063-00130::39968

Initial Vacuum(in Hg): 30

Sample Matrix: Air

Canister Size: 6L

Final Vacuum(in Hg): 8

Sampled: 4/17/2025 13:00

Flow Controller ID: 063-00393::10520

Receipt Vacuum(in Hg): 10.2

Sample Type: LV

Flow Controller Type: Passive

Volatile Organic Compounds by GCMS EPA TO-15

Analyte	ppbv			Flag/Qual	ug/M ³			Dilution	PF	Date/Time Analyzed	Analyst
	Results	MDL	LOQ		Results	MDL	LOQ				
Ethyl acetate	ND	1.50	3.75		ND	5.4	14	3	2.5	4/30/25 12:59	DFH
Ethylbenzene	ND	1.50	3.75		ND	6.5	16	3	2.5	4/30/25 12:59	DFH
Heptane	ND	1.50	3.75		ND	6.1	15	3	2.5	4/30/25 12:59	DFH
Hexachlorobutadiene	ND	1.50	3.75		ND	16	40	3	2.5	4/30/25 12:59	DFH
Hexane	ND	1.50	3.75		ND	5.3	13	3	2.5	4/30/25 12:59	DFH
Isopropylbenzene	ND	1.50	3.75		ND	7.4	18	3	2.5	4/30/25 12:59	DFH
m+p-Xylenes	ND	3.00	7.50		ND	13	33	3	2.5	4/30/25 12:59	DFH
Methyl methacrylate	ND	1.50	3.75		ND	6.1	15	3	2.5	4/30/25 12:59	DFH
Methylene chloride	ND	3.75	7.50		ND	13	26	3	2.5	4/30/25 12:59	DFH
Methyl-t-butyl ether (MTBE)	ND	1.50	3.75		ND	5.4	14	3	2.5	4/30/25 12:59	DFH
Naphthalene	ND	1.50	1.50		ND	7.9	7.9	3	2.5	4/30/25 12:59	DFH
o-Xylene	ND	1.50	3.75		ND	6.5	16	3	2.5	4/30/25 12:59	DFH
Propylene	19.6	1.20	1.20		34	2.1	2.1	3	2.5	4/30/25 12:59	DFH
Styrene	ND	1.50	3.75		ND	6.4	16	3	2.5	4/30/25 12:59	DFH
TBA	ND	3.75	3.75		ND	11	11	3	2.5	4/30/25 12:59	DFH
Tetrachloroethylene (PCE)	ND	1.50	3.75		ND	10	25	3	2.5	4/30/25 12:59	DFH
Tetrahydrofuran	ND	1.50	3.75		ND	4.4	11	3	2.5	4/30/25 12:59	DFH
Toluene	1.65	1.50	3.75	J	6.2	5.7	14	3	2.5	4/30/25 12:59	DFH
trans-1,2-Dichloroethylene	ND	1.50	3.75		ND	5.9	15	3	2.5	4/30/25 12:59	DFH
trans-1,3-Dichloropropene	ND	1.50	3.75		ND	6.8	17	3	2.5	4/30/25 12:59	DFH
Trichloroethylene	ND	1.50	1.50		ND	8.1	8.1	3	2.5	4/30/25 12:59	DFH
Trichlorofluoromethane	ND	3.75	3.75		ND	21	21	3	2.5	4/30/25 12:59	DFH
Vinyl acetate	ND	1.50	3.75		ND	5.3	13	3	2.5	4/30/25 12:59	DFH
Vinyl bromide	ND	1.50	3.75		ND	6.6	16	3	2.5	4/30/25 12:59	DFH
Vinyl chloride	ND	1.50	3.75		ND	3.8	9.6	3	2.5	4/30/25 12:59	DFH
Xylenes, Total	ND	4.50	11.2		ND	20	49	3	2.5	4/30/25 12:59	DFH
Surrogate(s)	% Recovery			% Recovery Limits							
4-Bromofluorobenzene (Surr)	94.8			80-120						4/30/25 12:59	



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Certificate of Analysis

Final Report

Laboratory Order ID 25D1905

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

Date Received: April 21, 2025 12:01
Date Issued: May 5, 2025 13:38

Raleigh, NC 27616

Submitted To: Jerry Paul

Project Number: 2205630

Client Site I.D.: East Durham Parks

Purchase Order:

ANALYTICAL RESULTS

Field Sample #: LFGP-4

Project Location:

Sample ID: 25D1905-05

Canister ID: 063-00130::39968

Initial Vacuum(in Hg): 30

Sample Matrix: Air

Canister Size: 6L

Final Vacuum(in Hg): 8

Sampled: 4/17/2025 13:00

Flow Controller ID: 063-00393::10520

Receipt Vacuum(in Hg): 10.2

Sample Type: LV

Flow Controller Type: Passive



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Final Report

Laboratory Order ID 25D1905

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

Date Received: April 21, 2025 12:01
Date Issued: May 5, 2025 13:38

Raleigh, NC 27616

Submitted To: Jerry Paul

Project Number: 2205630

Client Site I.D.: East Durham Parks

Purchase Order:

ANALYTICAL RESULTS

Field Sample #: LFGP-8

Project Location:

Sample ID: 25D1905-06

Canister ID: 063-00043::39970

Initial Vacuum(in Hg): 30

Sample Matrix: Air

Canister Size: 6L

Final Vacuum(in Hg): 5

Sampled: 4/16/2025 13:45

Flow Controller ID: 063-00395::10535

Receipt Vacuum(in Hg): 7.4

Sample Type: LV

Flow Controller Type: Passive

Sulfur Volatile Organic Compounds by GCMS EPA TO-15

Analyte	ppbv			Flag/Qual	ug/M ³			Dilution	PF	Date/Time Analyzed	Analyst
	Results	MDL	LOQ		Results	MDL	LOQ				
Hydrogen Sulfide, as received	ND	45.0	45.0		ND	63	63	4.5	1	5/1/25 18:25	DFH
Surrogate(s)	% Recovery				% Recovery Limits						
1,4-Difluorobenzene (Surr), as received		97.5				80-120				5/1/25 18:25	

Volatile Organic Compounds by GC/TCD - Unadjusted, as received basis EPA 3C

Analyte	Vol%			Flag/Qual	Dilution	PF	Date/Time Analyzed	Analyst
	Result	MDL	LOQ					
Methane, as received	ND	0.45	0.45		9	1	4/25/25 19:35	NSD
Carbon dioxide, as received	ND	0.45	0.45		9	1	4/25/25 19:35	NSD
Oxygen (O2), as received	21.0	0.45	0.45		9	1	4/25/25 19:35	NSD
Hydrogen (H2), as received	ND	0.18	0.18		9	1	4/25/25 19:35	NSD
Nitrogen (N2), as received	77.9	27.0	27.0		27	1	5/4/25 17:16	NSD
Carbon Monoxide, as received	ND	0.009	0.009		9	1	4/25/25 19:35	NSD

Volatile Organic Compounds by GCMS EPA TO-15

Analyte	ppbv			Flag/Qual	ug/M ³			Dilution	PF	Date/Time Analyzed	Analyst
	Results	MDL	LOQ		Results	MDL	LOQ				
1,1,1-Trichloroethane	ND	2.25	5.62		ND	12	31	4.5	2.5	4/30/25 14:41	DFH
1,1,1,2-Tetrachloroethane	ND	2.25	5.62		ND	15	39	4.5	2.5	4/30/25 14:41	DFH
1,1,2,2-Tetrachloroethane	ND	2.25	5.62		ND	15	39	4.5	2.5	4/30/25 14:41	DFH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	2.25	5.62		ND	17	43	4.5	2.5	4/30/25 14:41	DFH
1,1,2-Trichloroethane	ND	2.25	5.62		ND	12	31	4.5	2.5	4/30/25 14:41	DFH
1,1-Dichloroethane	ND	2.25	5.62		ND	9.1	23	4.5	2.5	4/30/25 14:41	DFH
1,1-Dichloroethylene	ND	2.25	5.62		ND	8.9	22	4.5	2.5	4/30/25 14:41	DFH
1,2,4-Trimethylbenzene	ND	2.25	5.62		ND	11	28	4.5	2.5	4/30/25 14:41	DFH
1,2-Dibromoethane (EDB)	ND	2.25	5.62		ND	17	43	4.5	2.5	4/30/25 14:41	DFH



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Certificate of Analysis

Final Report

Laboratory Order ID 25D1905

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

Date Received: April 21, 2025 12:01
Date Issued: May 5, 2025 13:38

Raleigh, NC 27616

Submitted To: Jerry Paul

Project Number: 2205630

Client Site I.D.: East Durham Parks

Purchase Order:

ANALYTICAL RESULTS

Field Sample #: LFGP-8

Project Location:

Sample ID: 25D1905-06

Canister ID: 063-00043::39970

Initial Vacuum(in Hg): 30

Sample Matrix: Air

Canister Size: 6L

Final Vacuum(in Hg): 5

Sampled: 4/16/2025 13:45

Flow Controller ID: 063-00395::10535

Receipt Vacuum(in Hg): 7.4

Sample Type: LV

Flow Controller Type: Passive

Volatile Organic Compounds by GCMS EPA TO-15

Analyte	ppbv			Flag/Qual	ug/M ³			Dilution	PF	Date/Time Analyzed	Analyst
	Results	MDL	LOQ		Results	MDL	LOQ				
1,2-Dichlorobenzene	ND	2.25	5.62		ND	14	34	4.5	2.5	4/30/25 14:41	DFH
1,2-Dichloroethane	ND	2.25	5.62		ND	9.1	23	4.5	2.5	4/30/25 14:41	DFH
1,2-Dichloropropane	ND	2.25	5.62		ND	10	26	4.5	2.5	4/30/25 14:41	DFH
1,2-Dichlorotetrafluoroethane	ND	2.25	5.62		ND	16	39	4.5	2.5	4/30/25 14:41	DFH
1,3,5-Trimethylbenzene	ND	2.25	5.62		ND	11	28	4.5	2.5	4/30/25 14:41	DFH
1,3-Butadiene	ND	2.25	5.62		ND	5.0	12	4.5	2.5	4/30/25 14:41	DFH
1,3-Dichlorobenzene	ND	2.25	5.62		ND	14	34	4.5	2.5	4/30/25 14:41	DFH
1,4-Dichlorobenzene	ND	2.25	5.62		ND	14	34	4.5	2.5	4/30/25 14:41	DFH
1,4-Dioxane	ND	2.25	5.62		ND	8.1	20	4.5	2.5	4/30/25 14:41	DFH
2-Butanone (MEK)	3.60	2.25	5.62	J	11	6.6	17	4.5	2.5	4/30/25 14:41	DFH
2-Chlorotoluene	ND	2.25	5.62		ND	12	29	4.5	2.5	4/30/25 14:41	DFH
2-Hexanone (MBK)	ND	2.25	5.62		ND	9.2	23	4.5	2.5	4/30/25 14:41	DFH
4-Methyl-2-pentanone (MIBK)	ND	2.25	5.62		ND	26	64	4.5	2.5	4/30/25 14:41	DFH
Allyl chloride	ND	2.25	5.62		ND	7.0	18	4.5	2.5	4/30/25 14:41	DFH
Benzene	ND	2.25	2.25		ND	7.2	7.2	4.5	2.5	4/30/25 14:41	DFH
Benzyl Chloride	ND	2.25	5.62		ND	12	29	4.5	2.5	4/30/25 14:41	DFH
Bromoform	ND	2.25	5.62		ND	23	58	4.5	2.5	4/30/25 14:41	DFH
Bromomethane	ND	2.25	5.62		ND	8.7	22	4.5	2.5	4/30/25 14:41	DFH
Carbon Disulfide	ND	5.62	5.62		ND	18	18	4.5	2.5	4/30/25 14:41	DFH
Carbon Tetrachloride	ND	2.25	5.62		ND	14	35	4.5	2.5	4/30/25 14:41	DFH
Chlorobenzene	ND	2.25	5.62		ND	10	26	4.5	2.5	4/30/25 14:41	DFH
Chloroethane	ND	2.25	5.62		ND	5.9	15	4.5	2.5	4/30/25 14:41	DFH
Chloroform	ND	2.25	2.25		ND	11	11	4.5	2.5	4/30/25 14:41	DFH
Chloromethane	ND	2.25	5.62		ND	4.6	12	4.5	2.5	4/30/25 14:41	DFH
cis-1,2-Dichloroethylene	ND	2.25	5.62		ND	8.9	22	4.5	2.5	4/30/25 14:41	DFH
cis-1,3-Dichloropropene	ND	2.25	5.62		ND	10	26	4.5	2.5	4/30/25 14:41	DFH
Cyclohexane	ND	2.25	5.62		ND	7.7	19	4.5	2.5	4/30/25 14:41	DFH
Dibromochloromethane	ND	2.25	5.62		ND	19	48	4.5	2.5	4/30/25 14:41	DFH
Dichlorodifluoromethane	ND	5.62	5.62		ND	28	28	4.5	2.5	4/30/25 14:41	DFH



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Certificate of Analysis

Final Report

Laboratory Order ID 25D1905

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

Date Received: April 21, 2025 12:01
Date Issued: May 5, 2025 13:38

Raleigh, NC 27616

Submitted To: Jerry Paul

Project Number: 2205630

Client Site I.D.: East Durham Parks

Purchase Order:

ANALYTICAL RESULTS

Field Sample #: LFQP-8

Project Location:

Sample ID: 25D1905-06

Canister ID: 063-00043::39970

Initial Vacuum(in Hg): 30

Sample Matrix: Air

Canister Size: 6L

Final Vacuum(in Hg): 5

Sampled: 4/16/2025 13:45

Flow Controller ID: 063-00395::10535

Receipt Vacuum(in Hg): 7.4

Sample Type: LV

Flow Controller Type: Passive

Volatile Organic Compounds by GCMS EPA TO-15

Analyte	ppbv			Flag/Qual	ug/M ³			Dilution	PF	Date/Time Analyzed	Analyst
	Results	MDL	LOQ		Results	MDL	LOQ				
Ethyl acetate	ND	2.25	5.62		ND	8.1	20	4.5	2.5	4/30/25 14:41	DFH
Ethylbenzene	ND	2.25	5.62		ND	9.8	24	4.5	2.5	4/30/25 14:41	DFH
Heptane	ND	2.25	5.62		ND	9.2	23	4.5	2.5	4/30/25 14:41	DFH
Hexachlorobutadiene	ND	2.25	5.62		ND	24	60	4.5	2.5	4/30/25 14:41	DFH
Hexane	ND	2.25	5.62		ND	7.9	20	4.5	2.5	4/30/25 14:41	DFH
Isopropylbenzene	ND	2.25	5.62		ND	11	28	4.5	2.5	4/30/25 14:41	DFH
m+p-Xylenes	ND	4.50	11.2		ND	20	49	4.5	2.5	4/30/25 14:41	DFH
Methyl methacrylate	ND	2.25	5.62		ND	9.2	23	4.5	2.5	4/30/25 14:41	DFH
Methylene chloride	ND	5.62	11.2		ND	20	39	4.5	2.5	4/30/25 14:41	DFH
Methyl-t-butyl ether (MTBE)	ND	2.25	5.62		ND	8.1	20	4.5	2.5	4/30/25 14:41	DFH
Naphthalene	ND	2.25	2.25		ND	12	12	4.5	2.5	4/30/25 14:41	DFH
o-Xylene	ND	2.25	5.62		ND	9.8	24	4.5	2.5	4/30/25 14:41	DFH
Propylene	ND	1.80	1.80		ND	3.1	3.1	4.5	2.5	4/30/25 14:41	DFH
Styrene	ND	2.25	5.62		ND	9.6	24	4.5	2.5	4/30/25 14:41	DFH
TBA	ND	5.62	5.62		ND	17	17	4.5	2.5	4/30/25 14:41	DFH
Tetrachloroethylene (PCE)	ND	2.25	5.62		ND	15	38	4.5	2.5	4/30/25 14:41	DFH
Tetrahydrofuran	ND	2.25	5.62		ND	6.6	17	4.5	2.5	4/30/25 14:41	DFH
Toluene	ND	2.25	5.62		ND	8.5	21	4.5	2.5	4/30/25 14:41	DFH
trans-1,2-Dichloroethylene	ND	2.25	5.62		ND	8.9	22	4.5	2.5	4/30/25 14:41	DFH
trans-1,3-Dichloropropene	ND	2.25	5.62		ND	10	26	4.5	2.5	4/30/25 14:41	DFH
Trichloroethylene	ND	2.25	2.25		ND	12	12	4.5	2.5	4/30/25 14:41	DFH
Trichlorofluoromethane	ND	5.62	5.62		ND	32	32	4.5	2.5	4/30/25 14:41	DFH
Vinyl acetate	ND	2.25	5.62		ND	7.9	20	4.5	2.5	4/30/25 14:41	DFH
Vinyl bromide	ND	2.25	5.62		ND	9.8	25	4.5	2.5	4/30/25 14:41	DFH
Vinyl chloride	ND	2.25	5.62		ND	5.8	14	4.5	2.5	4/30/25 14:41	DFH
Xylenes, Total	ND	6.75	16.9		ND	29	73	4.5	2.5	4/30/25 14:41	DFH
Surrogate(s)	% Recovery			% Recovery Limits							
4-Bromofluorobenzene (Surr)	92.8			80-120						4/30/25 14:41	



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Certificate of Analysis

Final Report

Laboratory Order ID 25D1905

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

Date Received: April 21, 2025 12:01
Date Issued: May 5, 2025 13:38

Raleigh, NC 27616

Submitted To: Jerry Paul

Project Number: 2205630

Client Site I.D.: East Durham Parks

Purchase Order:

ANALYTICAL RESULTS

Field Sample #: LFGP-8

Project Location:

Sample ID: 25D1905-06

Canister ID: 063-00043::39970

Initial Vacuum(in Hg): 30

Sample Matrix: Air

Canister Size: 6L

Final Vacuum(in Hg): 5

Sampled: 4/16/2025 13:45

Flow Controller ID: 063-00395::10535

Receipt Vacuum(in Hg): 7.4

Sample Type: LV

Flow Controller Type: Passive



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Final Report

Laboratory Order ID 25D1905

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3201 Spring Forest Road

Date Received: April 21, 2025 12:01
Date Issued: May 5, 2025 13:38

Raleigh, NC 27616

Submitted To: Jerry Paul

Project Number: 2205630

Client Site I.D.: East Durham Parks

Purchase Order:

ANALYTICAL RESULTS

Field Sample #: LFGP-9

Project Location:

Sample ID: 25D1905-07

Canister ID: 063-00238::39980

Initial Vacuum(in Hg): 30

Sample Matrix: Air

Canister Size: 6L

Final Vacuum(in Hg): 8

Sampled: 4/17/2025 12:50

Flow Controller ID: 063-00523::17214

Receipt Vacuum(in Hg): 7.6

Sample Type: LV

Flow Controller Type: Passive

Sulfur Volatile Organic Compounds by GCMS EPA TO-15

Analyte	ppbv			Flag/Qual	ug/M ³			Dilution	PF	Date/Time Analyzed	Analyst
	Results	MDL	LOQ		Results	MDL	LOQ				
Hydrogen Sulfide, as received	ND	45.0	45.0		ND	63	63	4.5	1	5/1/25 19:09	DFH
Surrogate(s)	% Recovery				% Recovery Limits						
1,4-Difluorobenzene (Surr), as received		99.8				80-120				5/1/25 19:09	

Volatile Organic Compounds by GC/TCD - Unadjusted, as received basis EPA 3C

Analyte	Vol%			Flag/Qual	Dilution	PF	Date/Time Analyzed	Analyst
	Result	MDL	LOQ					
Methane, as received	ND	0.45	0.45		9	1	4/25/25 20:20	NSD
Carbon dioxide, as received	3.92	0.45	0.45		9	1	4/25/25 20:20	NSD
Oxygen (O2), as received	13.4	0.45	0.45		9	1	4/25/25 20:20	NSD
Hydrogen (H2), as received	ND	0.18	0.18		9	1	4/25/25 20:20	NSD
Nitrogen (N2), as received	83.4	27.0	27.0		27	1	5/4/25 17:31	NSD
Carbon Monoxide, as received	ND	0.009	0.009		9	1	4/25/25 20:20	NSD

Volatile Organic Compounds by GCMS EPA TO-15

Analyte	ppbv			Flag/Qual	ug/M ³			Dilution	PF	Date/Time Analyzed	Analyst
	Results	MDL	LOQ		Results	MDL	LOQ				
1,1,1-Trichloroethane	ND	2.25	5.62		ND	12	31	4.5	2.5	4/30/25 15:31	DFH
1,1,1,2-Tetrachloroethane	ND	2.25	5.62		ND	15	39	4.5	2.5	4/30/25 15:31	DFH
1,1,2,2-Tetrachloroethane	ND	2.25	5.62		ND	15	39	4.5	2.5	4/30/25 15:31	DFH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	2.25	5.62		ND	17	43	4.5	2.5	4/30/25 15:31	DFH
1,1,2-Trichloroethane	ND	2.25	5.62		ND	12	31	4.5	2.5	4/30/25 15:31	DFH
1,1-Dichloroethane	ND	2.25	5.62		ND	9.1	23	4.5	2.5	4/30/25 15:31	DFH
1,1-Dichloroethylene	ND	2.25	5.62		ND	8.9	22	4.5	2.5	4/30/25 15:31	DFH
1,2,4-Trimethylbenzene	ND	2.25	5.62		ND	11	28	4.5	2.5	4/30/25 15:31	DFH
1,2-Dibromoethane (EDB)	ND	2.25	5.62		ND	17	43	4.5	2.5	4/30/25 15:31	DFH



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Certificate of Analysis

Final Report

Laboratory Order ID 25D1905

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

Date Received: April 21, 2025 12:01
Date Issued: May 5, 2025 13:38

Raleigh, NC 27616

Submitted To: Jerry Paul

Project Number: 2205630

Client Site I.D.: East Durham Parks

Purchase Order:

ANALYTICAL RESULTS

Field Sample #: LFGP-9

Project Location:

Sample ID: 25D1905-07

Canister ID: 063-00238::39980

Initial Vacuum(in Hg): 30

Sample Matrix: Air

Canister Size: 6L

Final Vacuum(in Hg): 8

Sampled: 4/17/2025 12:50

Flow Controller ID: 063-00523::17214

Receipt Vacuum(in Hg): 7.6

Sample Type: LV

Flow Controller Type: Passive

Volatile Organic Compounds by GCMS EPA TO-15

Analyte	ppbv			Flag/Qual	ug/M ³			Dilution	PF	Date/Time Analyzed	Analyst
	Results	MDL	LOQ		Results	MDL	LOQ				
1,2-Dichlorobenzene	ND	2.25	5.62		ND	14	34	4.5	2.5	4/30/25 15:31	DFH
1,2-Dichloroethane	ND	2.25	5.62		ND	9.1	23	4.5	2.5	4/30/25 15:31	DFH
1,2-Dichloropropane	ND	2.25	5.62		ND	10	26	4.5	2.5	4/30/25 15:31	DFH
1,2-Dichlorotetrafluoroethane	ND	2.25	5.62		ND	16	39	4.5	2.5	4/30/25 15:31	DFH
1,3,5-Trimethylbenzene	ND	2.25	5.62		ND	11	28	4.5	2.5	4/30/25 15:31	DFH
1,3-Butadiene	ND	2.25	5.62		ND	5.0	12	4.5	2.5	4/30/25 15:31	DFH
1,3-Dichlorobenzene	ND	2.25	5.62		ND	14	34	4.5	2.5	4/30/25 15:31	DFH
1,4-Dichlorobenzene	ND	2.25	5.62		ND	14	34	4.5	2.5	4/30/25 15:31	DFH
1,4-Dioxane	ND	2.25	5.62		ND	8.1	20	4.5	2.5	4/30/25 15:31	DFH
2-Butanone (MEK)	4.50	2.25	5.62	J	13	6.6	17	4.5	2.5	4/30/25 15:31	DFH
2-Chlorotoluene	ND	2.25	5.62		ND	12	29	4.5	2.5	4/30/25 15:31	DFH
2-Hexanone (MBK)	ND	2.25	5.62		ND	9.2	23	4.5	2.5	4/30/25 15:31	DFH
4-Methyl-2-pentanone (MIBK)	ND	2.25	5.62		ND	26	64	4.5	2.5	4/30/25 15:31	DFH
Allyl chloride	ND	2.25	5.62		ND	7.0	18	4.5	2.5	4/30/25 15:31	DFH
Benzene	ND	2.25	2.25		ND	7.2	7.2	4.5	2.5	4/30/25 15:31	DFH
Benzyl Chloride	ND	2.25	5.62		ND	12	29	4.5	2.5	4/30/25 15:31	DFH
Bromoform	ND	2.25	5.62		ND	23	58	4.5	2.5	4/30/25 15:31	DFH
Bromomethane	ND	2.25	5.62		ND	8.7	22	4.5	2.5	4/30/25 15:31	DFH
Carbon Disulfide	7.54	5.62	5.62		23	18	18	4.5	2.5	4/30/25 15:31	DFH
Carbon Tetrachloride	ND	2.25	5.62		ND	14	35	4.5	2.5	4/30/25 15:31	DFH
Chlorobenzene	ND	2.25	5.62		ND	10	26	4.5	2.5	4/30/25 15:31	DFH
Chloroethane	ND	2.25	5.62		ND	5.9	15	4.5	2.5	4/30/25 15:31	DFH
Chloroform	ND	2.25	2.25		ND	11	11	4.5	2.5	4/30/25 15:31	DFH
Chloromethane	ND	2.25	5.62		ND	4.6	12	4.5	2.5	4/30/25 15:31	DFH
cis-1,2-Dichloroethylene	ND	2.25	5.62		ND	8.9	22	4.5	2.5	4/30/25 15:31	DFH
cis-1,3-Dichloropropene	ND	2.25	5.62		ND	10	26	4.5	2.5	4/30/25 15:31	DFH
Cyclohexane	ND	2.25	5.62		ND	7.7	19	4.5	2.5	4/30/25 15:31	DFH
Dibromochloromethane	ND	2.25	5.62		ND	19	48	4.5	2.5	4/30/25 15:31	DFH
Dichlorodifluoromethane	ND	5.62	5.62		ND	28	28	4.5	2.5	4/30/25 15:31	DFH



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Certificate of Analysis

Final Report

Laboratory Order ID 25D1905

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

Date Received: April 21, 2025 12:01
Date Issued: May 5, 2025 13:38

Raleigh, NC 27616

Submitted To: Jerry Paul

Project Number: 2205630

Client Site I.D.: East Durham Parks

Purchase Order:

ANALYTICAL RESULTS

Field Sample #: LFGP-9

Project Location:

Sample ID: 25D1905-07

Canister ID: 063-00238::39980

Initial Vacuum(in Hg): 30

Sample Matrix: Air

Canister Size: 6L

Final Vacuum(in Hg): 8

Sampled: 4/17/2025 12:50

Flow Controller ID: 063-00523::17214

Receipt Vacuum(in Hg): 7.6

Sample Type: LV

Flow Controller Type: Passive

Volatile Organic Compounds by GCMS EPA TO-15

Analyte	ppbv			Flag/Qual	ug/M ³			Dilution	PF	Date/Time Analyzed	Analyst
	Results	MDL	LOQ		Results	MDL	LOQ				
Ethyl acetate	ND	2.25	5.62		ND	8.1	20	4.5	2.5	4/30/25 15:31	DFH
Ethylbenzene	ND	2.25	5.62		ND	9.8	24	4.5	2.5	4/30/25 15:31	DFH
Heptane	ND	2.25	5.62		ND	9.2	23	4.5	2.5	4/30/25 15:31	DFH
Hexachlorobutadiene	ND	2.25	5.62		ND	24	60	4.5	2.5	4/30/25 15:31	DFH
Hexane	6.86	2.25	5.62		24	7.9	20	4.5	2.5	4/30/25 15:31	DFH
Isopropylbenzene	ND	2.25	5.62		ND	11	28	4.5	2.5	4/30/25 15:31	DFH
m+p-Xylenes	ND	4.50	11.2		ND	20	49	4.5	2.5	4/30/25 15:31	DFH
Methyl methacrylate	ND	2.25	5.62		ND	9.2	23	4.5	2.5	4/30/25 15:31	DFH
Methylene chloride	ND	5.62	11.2		ND	20	39	4.5	2.5	4/30/25 15:31	DFH
Methyl-t-butyl ether (MTBE)	ND	2.25	5.62		ND	8.1	20	4.5	2.5	4/30/25 15:31	DFH
Naphthalene	ND	2.25	2.25		ND	12	12	4.5	2.5	4/30/25 15:31	DFH
o-Xylene	ND	2.25	5.62		ND	9.8	24	4.5	2.5	4/30/25 15:31	DFH
Propylene	ND	1.80	1.80		ND	3.1	3.1	4.5	2.5	4/30/25 15:31	DFH
Styrene	ND	2.25	5.62		ND	9.6	24	4.5	2.5	4/30/25 15:31	DFH
TBA	ND	5.62	5.62		ND	17	17	4.5	2.5	4/30/25 15:31	DFH
Tetrachloroethylene (PCE)	ND	2.25	5.62		ND	15	38	4.5	2.5	4/30/25 15:31	DFH
Tetrahydrofuran	ND	2.25	5.62		ND	6.6	17	4.5	2.5	4/30/25 15:31	DFH
Toluene	ND	2.25	5.62		ND	8.5	21	4.5	2.5	4/30/25 15:31	DFH
trans-1,2-Dichloroethylene	ND	2.25	5.62		ND	8.9	22	4.5	2.5	4/30/25 15:31	DFH
trans-1,3-Dichloropropene	ND	2.25	5.62		ND	10	26	4.5	2.5	4/30/25 15:31	DFH
Trichloroethylene	ND	2.25	2.25		ND	12	12	4.5	2.5	4/30/25 15:31	DFH
Trichlorofluoromethane	ND	5.62	5.62		ND	32	32	4.5	2.5	4/30/25 15:31	DFH
Vinyl acetate	ND	2.25	5.62		ND	7.9	20	4.5	2.5	4/30/25 15:31	DFH
Vinyl bromide	ND	2.25	5.62		ND	9.8	25	4.5	2.5	4/30/25 15:31	DFH
Vinyl chloride	ND	2.25	5.62		ND	5.8	14	4.5	2.5	4/30/25 15:31	DFH
Xylenes, Total	ND	6.75	16.9		ND	29	73	4.5	2.5	4/30/25 15:31	DFH
Surrogate(s)	% Recovery			% Recovery Limits							
4-Bromofluorobenzene (Surr)	94.8			80-120						4/30/25 15:31	



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Certificate of Analysis

Final Report

Laboratory Order ID 25D1905

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

Date Received: April 21, 2025 12:01
Date Issued: May 5, 2025 13:38

Raleigh, NC 27616

Submitted To: Jerry Paul

Project Number: 2205630

Client Site I.D.: East Durham Parks

Purchase Order:

ANALYTICAL RESULTS

Field Sample #: LFGP-9

Project Location:

Sample ID: 25D1905-07

Canister ID: 063-00238::39980

Initial Vacuum(in Hg): 30

Sample Matrix: Air

Canister Size: 6L

Final Vacuum(in Hg): 8

Sampled: 4/17/2025 12:50

Flow Controller ID: 063-00523::17214

Receipt Vacuum(in Hg): 7.6

Sample Type: LV

Flow Controller Type: Passive



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Final Report

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Date Issued: May 5, 2025 13:38

Raleigh, NC 27616

Submitted To: Jerry Paul

Project Number: 2205630

Client Site I.D.: East Durham Parks

Purchase Order:

ANALYTICAL RESULTS

Field Sample #: LFGP-7

Project Location:

Sample ID: 25D1905-08

Canister ID: 063-00229::42729

Initial Vacuum(in Hg): 30

Sample Matrix: Air

Canister Size: 6L

Final Vacuum(in Hg): 5

Sampled: 4/16/2025 13:25

Flow Controller ID: 063-00388::10114

Receipt Vacuum(in Hg): 8.6

Sample Type: LV

Flow Controller Type: Passive

Sulfur Volatile Organic Compounds by GCMS EPA TO-15

Analyte	ppbv			Flag/Qual	ug/M ³			Dilution	PF	Date/Time Analyzed	Analyst
	Results	MDL	LOQ		Results	MDL	LOQ				
Hydrogen Sulfide, as received	ND	30.0	30.0		ND	42	42	3	1	5/1/25 22:06	DFH
Surrogate(s)	% Recovery				% Recovery Limits						
1,4-Difluorobenzene (Surr), as received		98.0				80-120				5/1/25 22:06	

Volatile Organic Compounds by GC/TCD - Unadjusted, as received basis EPA 3C

Analyte	Vol%			Flag/Qual	Dilution	PF	Date/Time Analyzed	Analyst
	Result	MDL	LOQ					
Methane, as received	ND	0.45	0.45		9	1	4/25/25 21:05	NSD
Carbon dioxide, as received	ND	0.45	0.45		9	1	4/25/25 21:05	NSD
Oxygen (O2), as received	20.6	0.45	0.45		9	1	4/25/25 21:05	NSD
Hydrogen (H2), as received	ND	0.18	0.18		9	1	4/25/25 21:05	NSD
Nitrogen (N2), as received	75.4	18.0	18.0		18	1	5/4/25 17:46	NSD
Carbon Monoxide, as received	ND	0.009	0.009		9	1	4/25/25 21:05	NSD

Volatile Organic Compounds by GCMS EPA TO-15

Analyte	ppbv			Flag/Qual	ug/M ³			Dilution	PF	Date/Time Analyzed	Analyst
	Results	MDL	LOQ		Results	MDL	LOQ				
1,1,1-Trichloroethane	ND	1.50	3.75		ND	8.2	20	3	2.5	4/30/25 16:23	DFH
1,1,1,2-Tetrachloroethane	ND	1.50	3.75		ND	10	26	3	2.5	4/30/25 16:23	DFH
1,1,2,2-Tetrachloroethane	ND	1.50	3.75		ND	10	26	3	2.5	4/30/25 16:23	DFH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.50	3.75		ND	11	29	3	2.5	4/30/25 16:23	DFH
1,1,2-Trichloroethane	ND	1.50	3.75		ND	8.2	20	3	2.5	4/30/25 16:23	DFH
1,1-Dichloroethane	ND	1.50	3.75		ND	6.1	15	3	2.5	4/30/25 16:23	DFH
1,1-Dichloroethylene	ND	1.50	3.75		ND	5.9	15	3	2.5	4/30/25 16:23	DFH
1,2,4-Trimethylbenzene	ND	1.50	3.75		ND	7.4	18	3	2.5	4/30/25 16:23	DFH
1,2-Dibromoethane (EDB)	ND	1.50	3.75		ND	12	29	3	2.5	4/30/25 16:23	DFH



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Final Report

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3201 Spring Forest Road

Date Received: April 21, 2025 12:01
Date Issued: May 5, 2025 13:38

Raleigh, NC 27616

Submitted To: Jerry Paul

Project Number: 2205630

Client Site I.D.: East Durham Parks

Purchase Order:

ANALYTICAL RESULTS

Field Sample #: LFQP-7

Project Location:

Sample ID: 25D1905-08

Canister ID: 063-00229::42729

Initial Vacuum(in Hg): 30

Sample Matrix: Air

Canister Size: 6L

Final Vacuum(in Hg): 5

Sampled: 4/16/2025 13:25

Flow Controller ID: 063-00388::10114

Receipt Vacuum(in Hg): 8.6

Sample Type: LV

Flow Controller Type: Passive

Volatile Organic Compounds by GCMS EPA TO-15

Analyte	ppbv			Flag/Qual	ug/M ³			Dilution	PF	Date/Time Analyzed	Analyst
	Results	MDL	LOQ		Results	MDL	LOQ				
1,2-Dichlorobenzene	ND	1.50	3.75		ND	9.0	23	3	2.5	4/30/25 16:23	DFH
1,2-Dichloroethane	ND	1.50	3.75		ND	6.1	15	3	2.5	4/30/25 16:23	DFH
1,2-Dichloropropane	ND	1.50	3.75		ND	6.9	17	3	2.5	4/30/25 16:23	DFH
1,2-Dichlorotetrafluoroethane	ND	1.50	3.75		ND	10	26	3	2.5	4/30/25 16:23	DFH
1,3,5-Trimethylbenzene	ND	1.50	3.75		ND	7.4	18	3	2.5	4/30/25 16:23	DFH
1,3-Butadiene	ND	1.50	3.75		ND	3.3	8.3	3	2.5	4/30/25 16:23	DFH
1,3-Dichlorobenzene	ND	1.50	3.75		ND	9.0	23	3	2.5	4/30/25 16:23	DFH
1,4-Dichlorobenzene	ND	1.50	3.75		ND	9.0	23	3	2.5	4/30/25 16:23	DFH
1,4-Dioxane	ND	1.50	3.75		ND	5.4	14	3	2.5	4/30/25 16:23	DFH
2-Butanone (MEK)	4.05	1.50	3.75		12	4.4	11	3	2.5	4/30/25 16:23	DFH
2-Chlorotoluene	ND	1.50	3.75		ND	7.8	19	3	2.5	4/30/25 16:23	DFH
2-Hexanone (MBK)	ND	1.50	3.75		ND	6.1	15	3	2.5	4/30/25 16:23	DFH
4-Methyl-2-pentanone (MIBK)	ND	1.50	3.75		ND	17	43	3	2.5	4/30/25 16:23	DFH
Allyl chloride	ND	1.50	3.75		ND	4.7	12	3	2.5	4/30/25 16:23	DFH
Benzene	ND	1.50	1.50		ND	4.8	4.8	3	2.5	4/30/25 16:23	DFH
Benzyl Chloride	ND	1.50	3.75		ND	7.8	19	3	2.5	4/30/25 16:23	DFH
Bromoform	ND	1.50	3.75		ND	16	39	3	2.5	4/30/25 16:23	DFH
Bromomethane	ND	1.50	3.75		ND	5.8	15	3	2.5	4/30/25 16:23	DFH
Carbon Disulfide	ND	3.75	3.75		ND	12	12	3	2.5	4/30/25 16:23	DFH
Carbon Tetrachloride	ND	1.50	3.75		ND	9.4	24	3	2.5	4/30/25 16:23	DFH
Chlorobenzene	ND	1.50	3.75		ND	6.9	17	3	2.5	4/30/25 16:23	DFH
Chloroethane	ND	1.50	3.75		ND	4.0	9.9	3	2.5	4/30/25 16:23	DFH
Chloroform	ND	1.50	1.50		ND	7.3	7.3	3	2.5	4/30/25 16:23	DFH
Chloromethane	ND	1.50	3.75		ND	3.1	7.7	3	2.5	4/30/25 16:23	DFH
cis-1,2-Dichloroethylene	ND	1.50	3.75		ND	5.9	15	3	2.5	4/30/25 16:23	DFH
cis-1,3-Dichloropropene	ND	1.50	3.75		ND	6.8	17	3	2.5	4/30/25 16:23	DFH
Cyclohexane	ND	1.50	3.75		ND	5.2	13	3	2.5	4/30/25 16:23	DFH
Dibromochloromethane	ND	1.50	3.75		ND	13	32	3	2.5	4/30/25 16:23	DFH
Dichlorodifluoromethane	ND	3.75	3.75		ND	19	19	3	2.5	4/30/25 16:23	DFH



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Final Report

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Raleigh, NC 27616

Submitted To: Jerry Paul

Project Number: 2205630

Client Site I.D.: East Durham Parks

Purchase Order:

ANALYTICAL RESULTS

Field Sample #: LFGP-7

Project Location:

Sample ID: 25D1905-08

Canister ID: 063-00229::42729

Initial Vacuum(in Hg): 30

Sample Matrix: Air

Canister Size: 6L

Final Vacuum(in Hg): 5

Sampled: 4/16/2025 13:25

Flow Controller ID: 063-00388::10114

Receipt Vacuum(in Hg): 8.6

Sample Type: LV

Flow Controller Type: Passive

Volatile Organic Compounds by GCMS EPA TO-15

Analyte	ppbv			Flag/Qual	ug/M ³			Dilution	PF	Date/Time Analyzed	Analyst
	Results	MDL	LOQ		Results	MDL	LOQ				
Ethyl acetate	ND	1.50	3.75		ND	5.4	14	3	2.5	4/30/25 16:23	DFH
Ethylbenzene	ND	1.50	3.75		ND	6.5	16	3	2.5	4/30/25 16:23	DFH
Heptane	2.40	1.50	3.75	J	9.8	6.1	15	3	2.5	4/30/25 16:23	DFH
Hexachlorobutadiene	ND	1.50	3.75		ND	16	40	3	2.5	4/30/25 16:23	DFH
Hexane	ND	1.50	3.75		ND	5.3	13	3	2.5	4/30/25 16:23	DFH
Isopropylbenzene	ND	1.50	3.75		ND	7.4	18	3	2.5	4/30/25 16:23	DFH
m+p-Xylenes	ND	3.00	7.50		ND	13	33	3	2.5	4/30/25 16:23	DFH
Methyl methacrylate	ND	1.50	3.75		ND	6.1	15	3	2.5	4/30/25 16:23	DFH
Methylene chloride	ND	3.75	7.50		ND	13	26	3	2.5	4/30/25 16:23	DFH
Methyl-t-butyl ether (MTBE)	ND	1.50	3.75		ND	5.4	14	3	2.5	4/30/25 16:23	DFH
Naphthalene	ND	1.50	1.50		ND	7.9	7.9	3	2.5	4/30/25 16:23	DFH
o-Xylene	ND	1.50	3.75		ND	6.5	16	3	2.5	4/30/25 16:23	DFH
Propylene	ND	1.20	1.20		ND	2.1	2.1	3	2.5	4/30/25 16:23	DFH
Styrene	ND	1.50	3.75		ND	6.4	16	3	2.5	4/30/25 16:23	DFH
TBA	ND	3.75	3.75		ND	11	11	3	2.5	4/30/25 16:23	DFH
Tetrachloroethylene (PCE)	ND	1.50	3.75		ND	10	25	3	2.5	4/30/25 16:23	DFH
Tetrahydrofuran	ND	1.50	3.75		ND	4.4	11	3	2.5	4/30/25 16:23	DFH
Toluene	ND	1.50	3.75		ND	5.7	14	3	2.5	4/30/25 16:23	DFH
trans-1,2-Dichloroethylene	ND	1.50	3.75		ND	5.9	15	3	2.5	4/30/25 16:23	DFH
trans-1,3-Dichloropropene	ND	1.50	3.75		ND	6.8	17	3	2.5	4/30/25 16:23	DFH
Trichloroethylene	ND	1.50	1.50		ND	8.1	8.1	3	2.5	4/30/25 16:23	DFH
Trichlorofluoromethane	ND	3.75	3.75		ND	21	21	3	2.5	4/30/25 16:23	DFH
Vinyl acetate	ND	1.50	3.75		ND	5.3	13	3	2.5	4/30/25 16:23	DFH
Vinyl bromide	ND	1.50	3.75		ND	6.6	16	3	2.5	4/30/25 16:23	DFH
Vinyl chloride	ND	1.50	3.75		ND	3.8	9.6	3	2.5	4/30/25 16:23	DFH
Xylenes, Total	ND	4.50	11.2		ND	20	49	3	2.5	4/30/25 16:23	DFH
Surrogate(s)	% Recovery			% Recovery Limits							
4-Bromofluorobenzene (Surr)	95.2			80-120						4/30/25 16:23	



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3201 Spring Forest Road

Date Received: April 21, 2025 12:01
Date Issued: May 5, 2025 13:38

Raleigh, NC 27616

Submitted To: Jerry Paul

Project Number: 2205630

Client Site I.D.: East Durham Parks

Purchase Order:

ANALYTICAL RESULTS

Field Sample #: LFGP-7

Project Location:

Sample ID: 25D1905-08

Canister ID: 063-00229::42729

Initial Vacuum(in Hg): 30

Sample Matrix: Air

Canister Size: 6L

Final Vacuum(in Hg): 5

Sampled: 4/16/2025 13:25

Flow Controller ID: 063-00388::10114

Receipt Vacuum(in Hg): 8.6

Sample Type: LV

Flow Controller Type: Passive



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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	
25D1905-01	100 mL / 100 mL	EPA TO-15	BID1220	SIE0020	AD50170
25D1905-02	100 mL / 100 mL	EPA TO-15	BID1220	SIE0020	AD50170
25D1905-03	100 mL / 100 mL	EPA TO-15	BID1220	SIE0020	AD50170
25D1905-05	100 mL / 100 mL	EPA TO-15	BID1220	SIE0020	AD50170
25D1905-06	100 mL / 100 mL	EPA TO-15	BID1220	SIE0020	AD50170
25D1905-07	100 mL / 100 mL	EPA TO-15	BID1220	SIE0020	AD50170
25D1905-08	100 mL / 100 mL	EPA TO-15	BID1220	SIE0020	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	
25D1905-01	1.00 mL / 1.00 mL	EPA 3C	BID1455	SID1263	AD50190
25D1905-02	1.00 mL / 1.00 mL	EPA 3C	BID1455	SID1263	AD50190
25D1905-03	1.00 mL / 1.00 mL	EPA 3C	BID1455	SID1263	AD50190
25D1905-05	1.00 mL / 1.00 mL	EPA 3C	BID1455	SID1263	AD50190
25D1905-06	1.00 mL / 1.00 mL	EPA 3C	BID1455	SID1263	AD50190
25D1905-07	1.00 mL / 1.00 mL	EPA 3C	BID1455	SID1263	AD50190
25D1905-08	1.00 mL / 1.00 mL	EPA 3C	BID1455	SID1263	AD50190
25D1905-01RE1	1.00 mL / 1.00 mL	EPA 3C	BID1458	SIE0137	AD50190
25D1905-02RE1	1.00 mL / 1.00 mL	EPA 3C	BID1458	SIE0137	AD50190
25D1905-03RE1	1.00 mL / 1.00 mL	EPA 3C	BID1458	SIE0137	AD50190
25D1905-05RE1	1.00 mL / 1.00 mL	EPA 3C	BID1458	SIE0137	AD50190
25D1905-06RE1	1.00 mL / 1.00 mL	EPA 3C	BID1458	SIE0137	AD50190
25D1905-07RE1	1.00 mL / 1.00 mL	EPA 3C	BID1458	SIE0137	AD50190
25D1905-08RE1	1.00 mL / 1.00 mL	EPA 3C	BID1458	SIE0137	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	
25D1905-01	160 mL / 400 mL	EPA TO-15	BID1528	SID1329	AB50218
25D1905-02	160 mL / 400 mL	EPA TO-15	BID1528	SID1329	AB50218
25D1905-03	160 mL / 400 mL	EPA TO-15	BID1528	SID1329	AB50218
25D1905-05	160 mL / 400 mL	EPA TO-15	BID1528	SID1329	AB50218
25D1905-06	160 mL / 400 mL	EPA TO-15	BID1528	SID1329	AB50218
25D1905-07	160 mL / 400 mL	EPA TO-15	BID1528	SID1329	AB50218
25D1905-08	160 mL / 400 mL	EPA TO-15	BID1528	SID1329	AB50218



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Purchase Order:

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Reporting		Spike Level	Source Result	%REC		RPD	RPD Limit	Qual
	Result	Limit			Units	%REC			

Batch BID1528 - No Prep VOC Air

Blank (BID1528-BLK1)

Prepared & Analyzed: 04/29/2025

1,1,1-Trichloroethane	<	0.50	ppbv
1,1,1,2-Tetrachloroethane	<	0.50	ppbv
1,1,2,2-Tetrachloroethane	<	0.50	ppbv
1,1,2-Trichloro-1,2,2-trifluoroethane	<	0.50	ppbv
1,1,2-Trichloroethane	<	0.50	ppbv
1,1-Dichloroethane	<	0.50	ppbv
1,1-Dichloroethylene	<	0.50	ppbv
1,2,4-Trimethylbenzene	<	0.50	ppbv
1,2-Dibromoethane (EDB)	<	0.50	ppbv
1,2-Dichlorobenzene	<	0.50	ppbv
1,2-Dichloroethane	<	0.50	ppbv
1,2-Dichloropropane	<	0.50	ppbv
1,2-Dichlorotetrafluoroethane	<	0.50	ppbv
1,3,5-Trimethylbenzene	<	0.50	ppbv
1,3-Butadiene	<	0.50	ppbv
1,3-Dichlorobenzene	<	0.50	ppbv
1,4-Dichlorobenzene	<	0.50	ppbv
1,4-Dioxane	<	0.50	ppbv
2-Butanone (MEK)	<	0.50	ppbv
2-Chlorotoluene	<	0.50	ppbv
2-Hexanone (MBK)	<	0.50	ppbv
4-Methyl-2-pentanone (MIBK)	<	0.50	ppbv
Allyl chloride	<	0.50	ppbv
Benzene	<	0.20	ppbv
Benzyl Chloride	<	0.50	ppbv
Bromoform	<	0.50	ppbv
Bromomethane	<	0.50	ppbv
Carbon Disulfide	<	0.50	ppbv
Carbon Tetrachloride	<	0.50	ppbv
Chlorobenzene	<	0.50	ppbv
Chloroethane	<	0.50	ppbv



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Enthalpy Analytical

Analyte	Reporting		Spike Level	Source Result	%REC		RPD Limit	Qual
	Result	Limit			Units	%REC		

Batch BID1528 - No Prep VOC Air

Blank (BID1528-BLK1)

Prepared & Analyzed: 04/29/2025

Chloroform	<	0.20	ppbv
Chloromethane	<	0.50	ppbv
cis-1,2-Dichloroethylene	<	0.50	ppbv
cis-1,3-Dichloropropene	<	0.50	ppbv
Cyclohexane	<	0.50	ppbv
Dibromochloromethane	<	0.50	ppbv
Dichlorodifluoromethane	<	0.50	ppbv
Ethyl acetate	<	0.50	ppbv
Ethylbenzene	<	0.50	ppbv
Heptane	<	0.50	ppbv
Hexachlorobutadiene	<	0.50	ppbv
Hexane	<	0.50	ppbv
Isopropylbenzene	<	0.50	ppbv
m+p-Xylenes	<	1.00	ppbv
Methyl methacrylate	<	0.50	ppbv
Methylene chloride	<	1.00	ppbv
Methyl-t-butyl ether (MTBE)	<	0.50	ppbv
Naphthalene	<	0.20	ppbv
o-Xylene	<	0.50	ppbv
Propylene	<	0.16	ppbv
Styrene	<	0.50	ppbv
TBA	<	0.50	ppbv
Tetrachloroethylene (PCE)	<	0.50	ppbv
Tetrahydrofuran	<	0.50	ppbv
Toluene	<	0.50	ppbv
trans-1,2-Dichloroethylene	<	0.50	ppbv
trans-1,3-Dichloropropene	<	0.50	ppbv
Trichloroethylene	<	0.20	ppbv
Trichlorofluoromethane	<	0.50	ppbv
Vinyl acetate	<	0.50	ppbv
Vinyl bromide	<	0.50	ppbv
Vinyl chloride	<	0.50	ppbv
Xylenes, Total	<	1.50	ppbv



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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Reporting		Spike Level	Source Result	%REC		RPD		Qual
	Result	Limit			Units	%REC	Limits	RPD	

Batch BID1528 - No Prep VOC Air

Blank (BID1528-BLK1)

Prepared & Analyzed: 04/29/2025

Surr: 4-Bromofluorobenzene (Surr)	4.63		ppbv	5.00	92.6	80-120			
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LCS (BID1528-BS1)

Prepared & Analyzed: 04/29/2025

1,1,1-Trichloroethane	5.87		ppbv	5.00	117	70-130			
1,1,1,2-Tetrachloroethane	5.86		ppbv	5.00	117	70-130			
1,1,2,2-Tetrachloroethane	5.68		ppbv	5.00	114	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane	5.64		ppbv	5.00	113	70-130			
1,1,2-Trichloroethane	5.77		ppbv	5.00	115	70-130			
1,1-Dichloroethane	6.01		ppbv	5.00	120	70-130			
1,1-Dichloroethylene	5.66		ppbv	5.00	113	70-130			
1,2,4-Trimethylbenzene	5.61		ppbv	5.00	112	70-130			
1,2-Dibromoethane (EDB)	5.57		ppbv	5.00	111	70-130			
1,2-Dichlorobenzene	5.29		ppbv	5.00	106	70-130			
1,2-Dichloroethane	5.87		ppbv	5.00	117	70-130			
1,2-Dichloropropane	6.08		ppbv	5.00	122	70-130			
1,2-Dichlorotetrafluoroethane	5.56		ppbv	5.00	111	70-130			
1,3,5-Trimethylbenzene	5.57		ppbv	5.00	111	70-130			
1,3-Butadiene	5.56		ppbv	5.00	111	70-130			
1,3-Dichlorobenzene	5.23		ppbv	5.00	105	70-130			
1,4-Dichlorobenzene	5.17		ppbv	5.00	103	70-130			
1,4-Dioxane	5.89		ppbv	5.00	118	70-130			
2-Butanone (MEK)	5.40		ppbv	5.00	108	70-130			
2-Chlorotoluene	5.66		ppbv	5.00	113	70-130			
2-Hexanone (MBK)	6.23		ppbv	5.00	125	70-130			
4-Methyl-2-pentanone (MIBK)	5.83		ppbv	5.00	117	70-130			
Allyl chloride	5.89		ppbv	5.00	118	70-130			
Benzene	6.08		ppbv	5.00	122	70-130			
Benzyl Chloride	5.23		ppbv	5.00	105	70-130			
Bromoform	5.49		ppbv	5.00	110	70-130			
Bromomethane	5.53		ppbv	5.00	111	70-130			
Carbon Disulfide	5.82		ppbv	5.00	116	70-130			
Carbon Tetrachloride	5.79		ppbv	5.00	116	70-130			
Chlorobenzene	5.69		ppbv	5.00	114	70-130			



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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Reporting		Spike Level	Source Result	%REC		RPD		Qual
	Result	Limit			Units	%REC	Limits	RPD	

Batch BID1528 - No Prep VOC Air

LCS (BID1528-BS1)

Prepared & Analyzed: 04/29/2025

Chloroethane	5.61		ppbv	5.00	112	70-130			
Chloroform	5.98		ppbv	5.00	120	70-130			
Chloromethane	5.41		ppbv	5.00	108	70-130			
cis-1,2-Dichloroethylene	5.83		ppbv	5.00	117	70-130			
cis-1,3-Dichloropropene	5.96		ppbv	5.00	119	70-130			
Cyclohexane	5.70		ppbv	5.00	114	70-130			
Dibromochloromethane	5.78		ppbv	5.00	116	70-130			
Dichlorodifluoromethane	5.08		ppbv	5.00	102	70-130			
Ethyl acetate	5.98		ppbv	5.00	120	70-130			
Ethylbenzene	5.87		ppbv	5.00	117	70-130			
Heptane	6.42		ppbv	5.00	128	70-130			
Hexachlorobutadiene	4.49		ppbv	5.00	89.8	60-140			
Hexane	6.45		ppbv	5.00	129	70-130			
Isopropylbenzene	5.59		ppbv	5.00	112	70-130			
m+p-Xylenes	11.5		ppbv	10.0	115	70-130			
Methyl methacrylate	5.90		ppbv	5.00	118	70-130			
Methylene chloride	6.36		ppbv	5.00	127	70-130			
Methyl-t-butyl ether (MTBE)	5.76		ppbv	5.00	115	70-130			
Naphthalene	4.59		ppbv	5.00	91.8	60-140			
o-Xylene	5.60		ppbv	5.00	112	70-130			
Propylene	5.81		ppbv	5.00	116	70-130			
Styrene	5.65		ppbv	5.00	113	70-130			
TBA	5.46		ppbv	5.00	109	70-130			
Tetrachloroethylene (PCE)	5.60		ppbv	5.00	112	70-130			
Tetrahydrofuran	6.29		ppbv	5.00	126	70-130			
Toluene	5.78		ppbv	5.00	116	70-130			
trans-1,2-Dichloroethylene	5.74		ppbv	5.00	115	70-130			
trans-1,3-Dichloropropene	5.96		ppbv	5.00	119	70-130			
Trichloroethylene	5.77		ppbv	5.00	115	70-130			
Trichlorofluoromethane	5.72		ppbv	5.00	114	70-130			
Vinyl acetate	6.00		ppbv	5.00	120	70-130			
Vinyl bromide	5.74		ppbv	5.00	115	70-130			
Vinyl chloride	5.48		ppbv	5.00	110	70-130			



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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Reporting		Spike Level	Source Result	%REC		RPD		Qual
	Result	Limit			Units	%REC	Limits	RPD	

Batch BID1528 - No Prep VOC Air

LCS (BID1528-BS1)

Prepared & Analyzed: 04/29/2025

Surr: 4-Bromofluorobenzene (Surr)	4.91		ppbv	5.00	98.2	70-130		
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LCS Dup (BID1528-BSD1)

Prepared & Analyzed: 04/29/2025

1,1,1-Trichloroethane	6.01		ppbv	5.00	120	70-130	2.36	25
1,1,1,2-Tetrachloroethane	5.99		ppbv	5.00	120	70-130	2.19	25
1,1,2,2-Tetrachloroethane	5.80		ppbv	5.00	116	70-130	2.09	25
1,1,2-Trichloro-1,2,2-trifluoroethane	5.83		ppbv	5.00	117	70-130	3.31	25
1,1,2-Trichloroethane	5.96		ppbv	5.00	119	70-130	3.24	25
1,1-Dichloroethane	6.20		ppbv	5.00	124	70-130	3.11	25
1,1-Dichloroethylene	6.48		ppbv	5.00	130	70-130	13.5	25
1,2,4-Trimethylbenzene	5.77		ppbv	5.00	115	70-130	2.81	25
1,2-Dibromoethane (EDB)	5.66		ppbv	5.00	113	70-130	1.60	25
1,2-Dichlorobenzene	5.51		ppbv	5.00	110	70-130	4.07	25
1,2-Dichloroethane	5.89		ppbv	5.00	118	70-130	0.340	25
1,2-Dichloropropane	6.21		ppbv	5.00	124	70-130	2.12	25
1,2-Dichlorotetrafluoroethane	5.73		ppbv	5.00	115	70-130	3.01	25
1,3,5-Trimethylbenzene	5.75		ppbv	5.00	115	70-130	3.18	25
1,3-Butadiene	5.72		ppbv	5.00	114	70-130	2.84	25
1,3-Dichlorobenzene	5.40		ppbv	5.00	108	70-130	3.20	25
1,4-Dichlorobenzene	5.37		ppbv	5.00	107	70-130	3.80	25
1,4-Dioxane	6.01		ppbv	5.00	120	70-130	2.02	25
2-Butanone (MEK)	5.51		ppbv	5.00	110	70-130	2.02	25
2-Chlorotoluene	5.90		ppbv	5.00	118	70-130	4.15	25
2-Hexanone (MBK)	6.38		ppbv	5.00	128	70-130	2.38	25
4-Methyl-2-pentanone (MIBK)	5.96		ppbv	5.00	119	70-130	2.21	25
Allyl chloride	6.09		ppbv	5.00	122	70-130	3.34	25
Benzene	6.21		ppbv	5.00	124	70-130	2.12	25
Benzyl Chloride	5.43		ppbv	5.00	109	70-130	3.75	25
Bromoform	5.69		ppbv	5.00	114	70-130	3.58	25
Bromomethane	5.64		ppbv	5.00	113	70-130	1.97	25
Carbon Disulfide	6.00		ppbv	5.00	120	70-130	3.05	25
Carbon Tetrachloride	5.93		ppbv	5.00	119	70-130	2.39	25
Chlorobenzene	5.86		ppbv	5.00	117	70-130	2.94	25



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Submitted To: Jerry Paul

Project Number: 2205630

Client Site I.D.: East Durham Parks

Purchase Order:

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Reporting		Spike Level	Source Result	%REC		RPD		Qual
	Result	Limit			Units	%REC	Limits	RPD	

Batch BID1528 - No Prep VOC Air

LCS Dup (BID1528-BSD1)

Prepared & Analyzed: 04/29/2025

Chloroethane	5.78		ppbv	5.00	116	70-130	2.99	25	
Chloroform	6.14		ppbv	5.00	123	70-130	2.64	25	
Chloromethane	5.48		ppbv	5.00	110	70-130	1.29	25	
cis-1,2-Dichloroethylene	5.96		ppbv	5.00	119	70-130	2.21	25	
cis-1,3-Dichloropropene	6.11		ppbv	5.00	122	70-130	2.49	25	
Cyclohexane	5.86		ppbv	5.00	117	70-130	2.77	25	
Dibromochloromethane	5.94		ppbv	5.00	119	70-130	2.73	25	
Dichlorodifluoromethane	5.26		ppbv	5.00	105	70-130	3.48	25	
Ethyl acetate	6.19		ppbv	5.00	124	70-130	3.45	25	
Ethylbenzene	6.02		ppbv	5.00	120	70-130	2.52	25	
Heptane	6.50		ppbv	5.00	130	70-130	1.24	25	
Hexachlorobutadiene	4.77		ppbv	5.00	95.4	60-140	6.05	25	
Hexane	6.70		ppbv	5.00	134	70-130	3.80	25	L
Isopropylbenzene	5.77		ppbv	5.00	115	70-130	3.17	25	
m+p-Xylenes	11.9		ppbv	10.0	119	70-130	2.91	25	
Methyl methacrylate	6.09		ppbv	5.00	122	70-130	3.17	25	
Methylene chloride	6.46		ppbv	5.00	129	70-130	1.56	25	
Methyl-t-butyl ether (MTBE)	5.93		ppbv	5.00	119	70-130	2.91	25	
Naphthalene	4.88		ppbv	5.00	97.6	60-140	6.12	25	
o-Xylene	5.71		ppbv	5.00	114	70-130	1.95	25	
Propylene	6.23		ppbv	5.00	125	70-130	6.98	25	
Styrene	5.86		ppbv	5.00	117	70-130	3.65	25	
TBA	5.57		ppbv	5.00	111	70-130	1.99	25	
Tetrachloroethylene (PCE)	5.65		ppbv	5.00	113	70-130	0.889	25	
Tetrahydrofuran	6.44		ppbv	5.00	129	70-130	2.36	25	
Toluene	6.00		ppbv	5.00	120	70-130	3.74	25	
trans-1,2-Dichloroethylene	5.91		ppbv	5.00	118	70-130	2.92	25	
trans-1,3-Dichloropropene	6.17		ppbv	5.00	123	70-130	3.46	25	
Trichloroethylene	5.95		ppbv	5.00	119	70-130	3.07	25	
Trichlorofluoromethane	5.87		ppbv	5.00	117	70-130	2.59	25	
Vinyl acetate	6.22		ppbv	5.00	124	70-130	3.60	25	
Vinyl bromide	5.95		ppbv	5.00	119	70-130	3.59	25	
Vinyl chloride	5.75		ppbv	5.00	115	70-130	4.81	25	



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Certificate of Analysis

Final Report

Laboratory Order ID 25D1905

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

Date Received: April 21, 2025 12:01
Date Issued: May 5, 2025 13:38

Raleigh, NC 27616

Submitted To: Jerry Paul

Project Number: 2205630

Client Site I.D.: East Durham Parks

Purchase Order:

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Reporting		Spike Level	Source Result	%REC		RPD		Qual
	Result	Limit			Units	%REC	Limits	RPD	

Batch BID1528 - No Prep VOC Air

LCS Dup (BID1528-BSD1)

Prepared & Analyzed: 04/29/2025

Surr: 4-Bromofluorobenzene (Surr)	4.82	ppbv	5.00	96.4	70-130
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Submitted To: Jerry Paul

Project Number: 2205630

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Purchase Order:

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

Enthalpy Analytical

Analyte	Reporting		Spike Level	Source Result	%REC		RPD		Qual
	Result	Limit			Units	%REC	Limits	RPD	

Batch BID1455 - No Prep VOC GC Air

Blank (BID1455-BLK1)

Prepared & Analyzed: 04/25/2025

Methane	<	0.05	Vol%						
Carbon dioxide	<	0.05	Vol%						
Oxygen (O2)	<	0.05	Vol%						
Hydrogen (H2)	<	0.02	Vol%						
Nitrogen (N2)	<	1.00	Vol%						
Carbon Monoxide	<	0.001	Vol%						

LCS (BID1455-BS1)

Prepared & Analyzed: 04/25/2025

Methane	9880		ppmv	10000	98.8	80-120			
Carbon dioxide	9670		ppmv	10000	96.7	80-120			
Oxygen (O2)	2010		ppmv	2000	100	80-120			
Nitrogen (N2)	4780		ppmv	5000	95.6	80-120			
Hydrogen (H2)	570		ppmv	500	114	80-120			
Carbon Monoxide	511		ppmv	500	102	80-120			

Duplicate (BID1455-DUP1)

Source: 25D1905-01

Prepared & Analyzed: 04/25/2025

Methane	<	0.45	Vol%	<0.45		NA	5		
Carbon dioxide	0.79	0.45	Vol%	0.79		0.121	5		
Oxygen (O2)	20.1	0.45	Vol%	20.1		0.158	5		
Hydrogen (H2)	<	0.18	Vol%	<0.18		NA	5		
Nitrogen (N2)	73.8	9.00	Vol%	73.6		0.164	5		
Carbon Monoxide	<	0.009	Vol%	<0.009		NA	5		

Duplicate (BID1455-DUP2)

Source: 25D1905-02

Prepared & Analyzed: 04/25/2025

Methane	<	0.45	Vol%	<0.45		NA	5		
Carbon dioxide	0.79	0.45	Vol%	0.79		0.395	5		
Oxygen (O2)	20.1	0.45	Vol%	20.1		0.177	5		
Nitrogen (N2)	74.7	9.00	Vol%	74.6		0.154	5		
Hydrogen (H2)	<	0.18	Vol%	<0.18		NA	5		
Carbon Monoxide	<	0.009	Vol%	<0.009		NA	5		



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Submitted To: Jerry Paul

Project Number: 2205630

Client Site I.D.: East Durham Parks

Purchase Order:

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

Enthalpy Analytical

Analyte	Reporting		Spike Level	Source Result	%REC		RPD	RPD Limit	Qual
	Result	Limit			Units	%REC			

Batch BID1455 - No Prep VOC GC Air

Duplicate (BID1455-DUP3)			Source: 25D1905-03		Prepared & Analyzed: 04/25/2025	
Methane	<	0.45	Vol%	<0.45	NA	5
Carbon dioxide	<	0.45	Vol%	<0.45	NA	5
Oxygen (O2)	21.0	0.45	Vol%	20.9	0.176	5
Hydrogen (H2)	<	0.18	Vol%	<0.18	NA	5
Nitrogen (N2)	74.7	9.00	Vol%	74.5	0.243	5
Carbon Monoxide	<	0.009	Vol%	<0.009	NA	5
Duplicate (BID1455-DUP4)			Source: 25D1905-05		Prepared & Analyzed: 04/25/2025	
Methane	<	0.45	Vol%	<0.45	NA	5
Carbon dioxide	<	0.45	Vol%	<0.45	NA	5
Oxygen (O2)	20.6	0.45	Vol%	20.6	0.164	5
Hydrogen (H2)	<	0.18	Vol%	<0.18	NA	5
Nitrogen (N2)	73.5	9.00	Vol%	73.6	0.144	5
Carbon Monoxide	<	0.009	Vol%	<0.009	NA	5
Duplicate (BID1455-DUP5)			Source: 25D1905-06		Prepared & Analyzed: 04/25/2025	
Methane	<	0.45	Vol%	<0.45	NA	5
Carbon dioxide	<	0.45	Vol%	<0.45	NA	5
Oxygen (O2)	20.9	0.45	Vol%	21.0	0.0670	5
Nitrogen (N2)	74.2	9.00	Vol%	74.0	0.222	5
Hydrogen (H2)	<	0.18	Vol%	<0.18	NA	5
Carbon Monoxide	<	0.009	Vol%	<0.009	NA	5
Duplicate (BID1455-DUP6)			Source: 25D1905-07		Prepared & Analyzed: 04/25/2025	
Methane	<	0.45	Vol%	<0.45	NA	5
Carbon dioxide	3.89	0.45	Vol%	3.92	0.669	5
Oxygen (O2)	13.4	0.45	Vol%	13.4	0.225	5
Hydrogen (H2)	<	0.18	Vol%	<0.18	NA	5
Nitrogen (N2)	77.2	9.00	Vol%	77.2	0.0589	5
Carbon Monoxide	<	0.009	Vol%	<0.009	NA	5



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Date Received: April 21, 2025 12:01
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Raleigh, NC 27616

Submitted To: Jerry Paul

Project Number: 2205630

Client Site I.D.: East Durham Parks

Purchase Order:

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

Enthalpy Analytical

Analyte	Reporting		Spike Level	Source Result	%REC		RPD	RPD Limit	Qual
	Result	Limit			Units	%REC			

Batch BID1455 - No Prep VOC GC Air

Duplicate (BID1455-DUP7)	Source: 25D1905-08			Prepared & Analyzed: 04/25/2025		
Methane	<	0.45	Vol%	<0.45	NA	5
Carbon dioxide	<	0.45	Vol%	<0.45	NA	5
Oxygen (O2)	20.7	0.45	Vol%	20.6	0.158	5
Hydrogen (H2)	<	0.18	Vol%	<0.18	NA	5
Nitrogen (N2)	74.3	9.00	Vol%	74.3	0.0251	5
Carbon Monoxide	<	0.009	Vol%	<0.009	NA	5

Batch BID1458 - No Prep VOC GC Air

Blank (BID1458-BLK1)	Prepared & Analyzed: 05/04/2025					
Methane	<	0.05	Vol%			
Carbon dioxide	<	0.05	Vol%			
Oxygen (O2)	<	0.05	Vol%			
Hydrogen (H2)	<	0.02	Vol%			
Nitrogen (N2)	<	1.00	Vol%			
Carbon Monoxide	<	0.001	Vol%			

LCS (BID1458-BS1)	Prepared & Analyzed: 05/04/2025					
Methane	9770		ppmv	10000	97.7	80-120
Carbon dioxide	9610		ppmv	10000	96.1	80-120
Oxygen (O2)	1960		ppmv	2000	98.0	80-120
Hydrogen (H2)	551		ppmv	500	110	80-120
Nitrogen (N2)	4780		ppmv	5000	95.5	80-120
Carbon Monoxide	503		ppmv	500	101	80-120

Duplicate (BID1458-DUP1)	Source: 25D2173-01			Prepared & Analyzed: 05/04/2025		
Methane	18.6	0.15	Vol%	18.4	0.641	5
Carbon dioxide	58.8	0.15	Vol%	58.3	0.750	5
Oxygen (O2)	0.29	0.15	Vol%	0.29	0.427	5
Nitrogen (N2)	5.23	3.00	Vol%	5.23	0.00586	5
Hydrogen (H2)	11.8	0.06	Vol%	11.8	0.0429	5
Carbon Monoxide	0.06	0.003	Vol%	0.06	0.983	5



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Final Report

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3201 Spring Forest Road

Date Received: April 21, 2025 12:01
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Raleigh, NC 27616

Submitted To: Jerry Paul

Project Number: 2205630

Client Site I.D.: East Durham Parks

Purchase Order:

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

Enthalpy Analytical

Analyte	Reporting			Spike	Source	%REC		RPD	Qual
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	

Batch BID1458 - No Prep VOC GC Air

Duplicate (BID1458-DUP2)		Source: 25D2173-02			Prepared & Analyzed: 05/04/2025		
Methane	15.1	0.20	Vol%	15.1	0.300	5	
Carbon dioxide	63.4	0.20	Vol%	63.2	0.325	5	
Oxygen (O2)	0.33	0.20	Vol%	0.33	0.0736	5	
Hydrogen (H2)	11.5	0.08	Vol%	11.6	0.425	5	
Nitrogen (N2)	5.38	4.00	Vol%	5.36	0.255	5	
Carbon Monoxide	0.07	0.004	Vol%	0.07	0.873	5	
Duplicate (BID1458-DUP3)		Source: 25D2173-03			Prepared & Analyzed: 05/04/2025		
Methane	21.0	0.16	Vol%	21.0	0.196	5	
Carbon dioxide	64.8	0.16	Vol%	64.7	0.167	5	
Oxygen (O2)	<	0.16	Vol%	<0.16	NA	5	
Nitrogen (N2)	<	3.25	Vol%	<3.25	NA	5	
Hydrogen (H2)	8.68	0.06	Vol%	8.74	0.632	5	
Carbon Monoxide	0.06	0.003	Vol%	0.07	0.788	5	
Duplicate (BID1458-DUP4)		Source: 25D2173-04			Prepared & Analyzed: 05/04/2025		
Methane	12.2	0.30	Vol%	12.1	0.134	5	
Carbon dioxide	62.3	0.30	Vol%	62.1	0.361	5	
Oxygen (O2)	0.84	0.30	Vol%	0.84	0.0300	5	
Hydrogen (H2)	12.8	0.12	Vol%	12.9	0.335	5	
Nitrogen (N2)	<	6.00	Vol%	<6.00	NA	5	
Carbon Monoxide	0.10	0.006	Vol%	0.10	0.714	5	
Duplicate (BID1458-DUP5)		Source: 25D2279-01			Prepared & Analyzed: 05/04/2025		
Methane	22.0	0.45	Vol%	21.9	0.485	5	
Carbon dioxide	28.8	0.45	Vol%	28.8	0.0739	5	
Oxygen (O2)	1.69	0.45	Vol%	1.72	1.35	5	
Hydrogen (H2)	3.10	0.18	Vol%	3.10	0.0301	5	
Nitrogen (N2)	34.2	9.00	Vol%	34.1	0.275	5	
Carbon Monoxide	<	0.009	Vol%	<0.009	NA	5	



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3201 Spring Forest Road

Date Received: April 21, 2025 12:01
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Raleigh, NC 27616

Submitted To: Jerry Paul

Project Number: 2205630

Client Site I.D.: East Durham Parks

Purchase Order:

Sulfur Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Reporting		Spike Level	Source Result	%REC		RPD		Qual
	Result	Limit			Units	%REC	Limits	RPD	

Batch BID1220 - No Prep VOC Air

Blank (BID1220-BLK1)

Prepared & Analyzed: 04/24/2025

Hydrogen Sulfide	<	10.0	ppbv						
<i>Surr: 1,4-Difluorobenzene (Surr)</i>	19.3		ppbv	20.0	96.6	80-120			

LCS (BID1220-BS1)

Prepared & Analyzed: 04/24/2025

Carbon Disulfide	23.9		ppbv	20.4	117	70-130			
Hydrogen Sulfide	25.5		ppbv	18.4	138	70-130			L
1-Propanethiol	24.3		ppbv	20.2	120	70-130			
2-Propanethiol	23.0		ppbv	20.4	113	70-130			
Carbonyl sulfide	22.2		ppbv	20.4	109	70-130			
Dimethyl sulfide	22.8		ppbv	19.6	116	70-130			
Ethyl mercaptan	19.6		ppbv	19.8	99.1	70-130			
Methyl mercaptan	21.1		ppbv	20.2	104	70-130			
<i>Surr: 1,4-Difluorobenzene (Surr)</i>	20.0		ppbv	20.0	100	70-130			

LCS Dup (BID1220-BSD1)

Prepared & Analyzed: 04/24/2025

Carbon Disulfide	23.5		ppbv	20.4	115	70-130	1.69	25	
Hydrogen Sulfide	24.8		ppbv	18.4	135	70-130	2.46	25	L
1-Propanethiol	24.7		ppbv	20.2	122	70-130	1.92	25	
2-Propanethiol	22.5		ppbv	20.4	110	70-130	2.59	25	
Carbonyl sulfide	22.3		ppbv	20.4	110	70-130	0.494	25	
Dimethyl sulfide	22.6		ppbv	19.6	115	70-130	0.529	25	
Ethyl mercaptan	19.8		ppbv	19.8	100	70-130	0.964	25	
Methyl mercaptan	21.0		ppbv	20.2	104	70-130	0.380	25	
<i>Surr: 1,4-Difluorobenzene (Surr)</i>	20.0		ppbv	20.0	99.9	70-130			



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Submitted To: Jerry Paul

Project Number: 2205630

Client Site I.D.: East Durham Parks

Purchase Order:

Certified Analytes included in this Report

Analyte	Certifications	Analyte	Certifications
<i>EPA 3C in Air</i>		Dibromochloromethane	VELAP
Methane	VELAP	Dichlorodifluoromethane	VELAP
Oxygen (O2)	VELAP	Ethyl acetate	VELAP
Nitrogen (N2)	VELAP	Ethylbenzene	VELAP
<i>EPA TO-15 in Air</i>		Heptane	VELAP
1,1,1-Trichloroethane	VELAP	Hexachlorobutadiene	VELAP
1,1,1,2-Tetrachloroethane	VELAP	Hexane	VELAP
1,1,2,2-Tetrachloroethane	VELAP	Isopropylbenzene	VELAP
1,1,2-Trichloro-1,2,2-trifluoroethane	VELAP	m+p-Xylenes	VELAP
1,1,2-Trichloroethane	VELAP	Methyl methacrylate	VELAP
1,1-Dichloroethane	VELAP	Methylene chloride	VELAP
1,1-Dichloroethylene	VELAP	Methyl-t-butyl ether (MTBE)	VELAP
1,2,4-Trimethylbenzene	VELAP	Naphthalene	VELAP
1,2-Dibromoethane (EDB)	VELAP	o-Xylene	VELAP
1,2-Dichlorobenzene	VELAP	Propylene	VELAP
1,2-Dichloroethane	VELAP	Styrene	VELAP
1,2-Dichloropropane	VELAP	TBA	VELAP
1,2-Dichlorotetrafluoroethane	VELAP	Tetrachloroethylene (PCE)	VELAP
1,3,5-Trimethylbenzene	VELAP	Tetrahydrofuran	VELAP
1,3-Butadiene	VELAP	Toluene	VELAP
1,3-Dichlorobenzene	VELAP	trans-1,2-Dichloroethylene	VELAP
1,4-Dichlorobenzene	VELAP	trans-1,3-Dichloropropene	VELAP
1,4-Dioxane	VELAP	Trichloroethylene	VELAP
2-Butanone (MEK)	VELAP	Trichlorofluoromethane	VELAP
2-Chlorotoluene	VELAP	Vinyl acetate	VELAP
2-Hexanone (MBK)	VELAP	Vinyl bromide	VELAP
4-Methyl-2-pentanone (MIBK)	VELAP	Vinyl chloride	VELAP
Allyl chloride	VELAP	Xylenes, Total	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		



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Certificate of Analysis

Final Report

Laboratory Order ID 25D1905

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received:	April 21, 2025 12:01
		Date Issued:	May 5, 2025 13:38
Submitted To:	Jerry Paul	Project Number:	2205630
Client Site I.D.:	East Durham Parks	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

- J The reported result is an estimated value.
 - L LCS recovery is outside of established acceptance limits
 - RPD Relative Percent Difference
 - Qual Qualifiers
 - 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 $\pm 10\%$ of the absolute.

AIR ANALYSIS CHAIN OF CUSTODY

Equipment Must be Returned By: **5/11/25**

COMPANY NAME: S&ME		INVOICE TO: Same	PROJECT NAME/Quote #:
CONTACT: Jerry Paul		INVOICE CONTACT:	SITE NAME: EAST DURHAM PARK
ADDRESS: 3201 Spring Forest Rd, Raleigh NC		INVOICE ADDRESS:	PROJECT NUMBER: 22050630
PHONE #:		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. #:		Turn Around Time: Circle: 10 5 Days or ___ Day	

Matrix Codes: AA=Indoor/Ambient Air SG=Soil Gas LV=Landfill/Vent Gas OT=Other SG **063-25D-0011** WO:

CLIENT SAMPLE I.D.	Regulator Info		Canister Information					Sampling Start Information				Sampling Stop Information			ANALYSIS:				
	Flow Controller ID	Cal Flow (mL/min)	Canister ID	Size (L)	Cleaning Batch ID	LAB Outgoing Canister Vacuum (in Hg)	LAB Receiving Canister Vacuum (in Hg)	Barometric Pres. (in Hg):				Barometric Pres. (in Hg):			Matrix (See Codes)	TO-15	Sulfurs (H2S)	3C	
								Start Date	Start Time (24hr clock)	Initial Canister Vacuum (in Hg)	Starting Sample Temp °F	Stop Date	Stop Time (24hr clock)	Final Canister Vacuum (in Hg)					Ending Sample Temp °F
1) LF6P-1	20257	2Hr	44621	8	BC250408	30	9.8	4/17/25	1145	30	68	4/17/25	1330	8	68	LV	x	x	x
2) LF6P-3	10519	2Hr	47527	8	BC250405	30	0.8	4/17/25	1135	29	68	4/17/25	1310	7	68	LV	x	x	x
3) LF6P-2	20121	2Hr	48085	8	BC250408	30	9.6	4/17/25	1130	30	68	4/17/25 1305	1305 x	8	68	LV	x	x	x
4) NOT USED BAO THREADS	14201	2Hr	48089	8	BC250408	30										LV	x	x	x

RELINQUISHED:	DATE / TIME: 4/17/25 0950	RECEIVED: Bvo	DATE / TIME: 4-21-25 950	QC Data Package	LAB USE ONLY: 11x 3-Hour flow controllers
RELINQUISHED: Bvo	DATE / TIME: 4-21-25 1301	RECEIVED:	DATE / TIME: 4/21/25 1201	Level I <input type="checkbox"/>	S&ME - NC 25D1905 East Durham Park Project #220506
RELINQUISHED:	DATE / TIME:	RECEIVED:	DATE / TIME:	Level II <input type="checkbox"/>	
RELINQUISHED:	DATE / TIME:	RECEIVED:	DATE / TIME:	Level III <input type="checkbox"/>	

310
Observed Temp °C: 20.9
Note
Correction Factor °C: 0.0
Note
Corrected Temp °C: 20.9

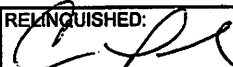
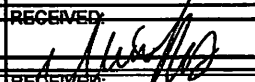
AIR ANALYSIS CHAIN OF CUSTODY

Equipment Must be Returned By: **5/11/25**

COMPANY NAME: S&ME	INVOICE TO: Same	PROJECT NAME/Quote #:
CONTACT: Jerry Paul	INVOICE CONTACT:	SITE NAME:
ADDRESS: 3201 Spring Forest Rd, Raleigh NC	INVOICE ADDRESS:	PROJECT NUMBER: 22050630
PHONE #:	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
SAMPLER NAME (PRINT):		PWS I.D. #:
SAMPLER SIGNATURE:		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-0011** **WO:**

CLIENT SAMPLE I.D.	Regulator Info		Canister Information				Sampling Start Information				Sampling Stop Information				Matrix (See Codes)	ANALYSIS			
	Flow Controller ID	Cal Flow (mL/min)	Canister ID	Size (L)	Cleaning Batch ID	LAB Outgoing Canister Vacuum (in Hg)	LAB Receiving Canister Vacuum (in Hg)	Barometric Pres. (in Hg):			Barometric Pres. (in Hg):			TO-15		Sulfurs (H2S)	3C (Methane)		
								Start Date	Start Time (24hr clock)	Initial Canister Vacuum (in Hg)	Starting Sample Temp °F	Stop Date	Stop Time (24hr clock)					Final Canister Vacuum (in Hg)	Ending Sample Temp °F
1) LF6P-4 LF6P-4	10520	2Hr	39968	8	BC250405	30	10.2	4/17/25	1125	30	67	4/17/25	1300	8	67	LV	x	x	x
2) LF6P-8	10535	2Hr	39970	8	BC250408	30	7.4	4/16/25	1200	30	65	4/16/25	1345	5	65	LV	x	x	x
3) LF6P-9	17214	2Hr	39980	8	BC250408	30	7.6	4/17/25	1120	30	67	4/17/25	1250	8	67	LV	x	x	x
4) LF6P-7	10114	2Hr	42729	8	BC250408	30	8.6	4/16/25	1140	28	65	4/16/25	1325	5	65	LV	x	x	x

RELINQUISHED: 	DATE / TIME: 4/21/25 0930	RECEIVED: BVO	DATE / TIME: 4.21.25 950	QC Data Package	LAB USE ONLY: 11x 3-Hour flow controllers
RELINQUISHED: BVO	DATE / TIME: 4-21-25 1201	RECEIVED: 	DATE / TIME: 4/21/25 1208	Level I <input type="checkbox"/>	S&ME - NC 25D1905 East Durham Park Project #220506 Recd: 04/21/2025 Due: 05/05/2025
RELINQUISHED:	DATE / TIME:	RECEIVED:	DATE / TIME: 4/21/25 1201	Level II <input type="checkbox"/>	
RELINQUISHED:	DATE / TIME:	RECEIVED:	DATE / TIME: 4/21/25 1201	Level III <input type="checkbox"/>	

Observed Temp °C: **31.0**
 Correction Factor °C: **note**
 Corrected Temp °C: **no seal 10.9**



ENTHALPY ANALYTICAL

AIR ANALYSIS CHAIN OF CUSTODY

Equipment Must be Returned By: **5/11/25**

COMPANY NAME: S&ME		INVOICE TO: Same		PROJECT NAME/Quote #:	
CONTACT: Jerry Paul		INVOICE CONTACT:		SITE NAME:	
ADDRESS: 3201 Spring Forest Rd, Raleigh NC		INVOICE ADDRESS:		PROJECT NUMBER: 22050630	
PHONE #:		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):			SAMPLER SIGNATURE:		
			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-0011** WO:

CLIENT SAMPLE I.D.	Regulator Info		Canister Information				Sampling Start Information				Sampling Stop Information				Matrix (See Codes)	ANALYSIS:				
	Flow Controller ID	Cal Flow (mL/min)	Canister ID	Size (L)	Cleaning Batch ID	LAB Outgoing Canister Vacuum (in Hg)	LAB Receiving Canister Vacuum (in Hg)	Barometric Pres. (in Hg):			Barometric Pres. (in Hg):			TO-15		Sulfurs (H2S)	3C (Methane)			
								Start Date	Start Time (24hr clock)	Initial Canister Vacuum (in Hg)	Starting Sample Temp °F	Stop Date	Stop Time (24hr clock)					Final Canister Vacuum (in Hg)	Ending Sample Temp °F	
1)	10115	2Hr	49509	6	BC250408	30											LV	x	x	x
2)	20116	2Hr	49664	6	BC250408	30											LV	x	x	x
3)	10532	2Hr	50951	6	BC250405	30											LV	x	x	x
4)																	LV			

RELINQUISHED: AWS	DATE / TIME	RECEIVED: <i>[Signature]</i>	DATE / TIME: 4/21/25 1201	QC Data Package	LAB USE ONLY: 11x 3-Hour flow controllers
RELINQUISHED:	DATE / TIME	RECEIVED:	DATE / TIME	Level I <input type="checkbox"/>	
RELINQUISHED:	DATE / TIME	RECEIVED:	DATE / TIME	Level II <input type="checkbox"/>	
RELINQUISHED:	DATE / TIME	RECEIVED:	DATE / TIME	Level III <input type="checkbox"/>	S&ME - NC 25D1905
					East Durham Park Project #220506
					Recd: 04/21/2025 Due: 05/05/2025

Observed Temp °C: **31.0** **20.9**
 Correction Factor °C: **0.0**
 Corrected Temp °C: **31.0**

v130325002



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

Certificate of Analysis

Final Report

Laboratory Order ID 25D1905

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

Date Received: April 21, 2025 12:01
Date Issued: May 5, 2025 13:38

Raleigh, NC 27616

Submitted To: Jerry Paul

Project Number: 2205630

Client Site I.D.: East Durham Parks

Purchase Order:

Sample Conditions Checklist

Samples Received at:	20.90°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? Note that metals containers do not require field preservation but lab preservation may delay analysis. In addition, field parameters are always received outside holding time and will be marked accordingly.	Yes

Work Order Comments



Project Name	East Durham Park
S&ME Project No.	23050630
Date of Review	June 6, 2025

1.0 Project Identification

Project Description	Surface Water and Sediment Sampling
Project Location	East Durham Park, Durham, Durham County, NC
NCDEQ ID	NONCD0000821
PRLF Task Order(s)	821RI-10

2.0 Laboratory Information

Primary Laboratory Name	Eurofins Environment Testing (The laboratory states its N.C. certification for all analytes tested, within the “Accreditations & Certification” Section of their report.)
Location	104 Woodwinds Industrial Court Suite A, Cary, North Carolina 27511
Pace Lab Report IDs, and Sample Collection Dates	752-30758-1 (dated 4/4/25), Collected on 3/19/2025

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

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



4.0 Laboratory Quality Control Review

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

5.0 Data Review Summary

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

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ANALYTICAL REPORT

PREPARED FOR

Attn: Jim Peele
S&ME Inc
3201 Spring Forest Road
Raleigh, North Carolina 27616

Generated 4/4/2025 9:09:09 AM

JOB DESCRIPTION

East Durham Park

JOB NUMBER

752-30758-1

Eurofins Raleigh

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
4/4/2025 9:09:09 AM

Authorized for release by
Chad Bechtold, Project Manager
Chad.Bechtold@et.eurofinsus.com
(813)690-3563



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Definitions/Glossary

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F2	MS/MSD RPD 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.
S1+	Surrogate recovery exceeds control limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*3	ISTD response or retention time outside acceptable limits.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD 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.
S1+	Surrogate recovery exceeds control limits, high biased.

HPLC/IC

Qualifier	Qualifier Description
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.

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) 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.

General Chemistry

Qualifier	Qualifier Description
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.

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

Definitions/Glossary

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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

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Case Narrative

Client: S&ME Inc
Project: East Durham Park

Job ID: 752-30758-1

Job ID: 752-30758-1

Eurofins Raleigh

Job Narrative 752-30758-1

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 3/20/2025 9:08 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 3.2°C, 3.7°C, 3.9°C and 4.5°C.

Receipt Exceptions

The method requirement for no headspace was not met. The following volatile sample has excessive headspace.

GC/MS VOA

Method 8260D: The laboratory control sample (LCS) for analytical batch 400-704296 recovered outside control limits for the following analyte: Isopropyl ether. 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 400-703984 and analytical batch 400-703977 recovered outside control limits for the following analytes: 1,1,1-Trichloroethane, Carbon tetrachloride and Hexachlorobutadiene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: One of four surrogate recoveries for the following sample was outside the upper control limit: SED-3 (752-30758-15). This sample did not contain any target analytes above the reporting limit; therefore, re-analysis was not performed.

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 laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 400-703408 and analytical batch 400-703693 recovered outside control limits for the following analyte: 3,3'-Dichlorobenzidine. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method 8270E: The following samples were diluted due to the nature of the sample matrix: SED-1 (752-30758-13), SED-2 (752-30758-14), SED-3 (752-30758-15), SED-4 (752-30758-16), SED-5 (752-30758-17), SED-6 (752-30758-18), SED-7 (752-30758-19), SED-Dup (752-30758-20), (752-30758-B-13-D MS) and (752-30758-B-13-E MSD). Elevated reporting limits (RLs) are provided.

Method 8270E: The internal standard Perylene-d12 response were outside of acceptance limits for the following samples: SED-2 (752-30758-14), SED-3 (752-30758-15), SED-4 (752-30758-16), SED-5 (752-30758-17), SED-6 (752-30758-18), SED-7 (752-30758-19) and SED-Dup (752-30758-20). Results for the affected analytes are possibly biased high, non-detect are qualified accordingly; therefore, the data have been reported.

Method 8270E: The laboratory control sample duplicate (LCSD) for preparation batch 400-703462 and analytical batch 400-704031 recovered outside control limits for the following analyte: 3,3'-Dichlorobenzidine. This analyte was biased high in the LCSD and was not detected in the associated samples; therefore, the data have been reported.

Method 8270E: The following sample was diluted due to the nature of the sample matrix: SED-1 (752-30758-13). Elevated reporting limits (RLs) are provided.

Eurofins Raleigh

Case Narrative

Client: S&ME Inc
Project: East Durham Park

Job ID: 752-30758-1

Job ID: 752-30758-1 (Continued)

Eurofins Raleigh

Method 8270E_SIM_ID_D5: Physical properties (viscosity, color, odor) of the following samples extract preclude concentrated analysis which would jeopardize instrumentation: SED-1 (752-30758-13), SED-2 (752-30758-14), SED-3 (752-30758-15), SED-4 (752-30758-16), SED-5 (752-30758-17), SED-6 (752-30758-18), SED-7 (752-30758-19) and SED-Dup (752-30758-20) Minimal dilution with elevated RLs is reported.

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

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Raleigh

Detection Summary

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SW-1

Lab Sample ID: 752-30758-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	19.3		1.00	0.390	mg/L	1		9056A	Total/NA
Barium	84.3		10.0	0.410	ug/L	1		6020B	Total Recoverable
Cadmium	0.291	J	0.700	0.237	ug/L	1		6020B	Total Recoverable
Cobalt	0.789	J	5.00	0.411	ug/L	1		6020B	Total Recoverable
Copper	6.25		2.00	0.642	ug/L	1		6020B	Total Recoverable
Lead	1.37		1.00	0.864	ug/L	1		6020B	Total Recoverable
Manganese	274		5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	3.01	J	5.00	0.422	ug/L	1		6020B	Total Recoverable
Zinc	23.3		10.0	8.91	ug/L	1		6020B	Total Recoverable
Ammonia (as N)	0.0645		0.0500	0.0200	mg/L	1		350.1	Total/NA
Nitrate Nitrite as N	0.168	F1	0.100	0.0410	mg/L	1		353.2	Total/NA
Nitrite as N	0.0784	J	0.100	0.0168	mg/L	1		353.2	Total/NA
Nitrate as N	0.0896	J	0.100	0.0250	mg/L	1		Nitrate by calc	Total/NA

Client Sample ID: SW-2

Lab Sample ID: 752-30758-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	0.308		0.283	0.283	ug/L	1		8270E SIM ID	Total/NA
Sulfate	18.4		1.00	0.390	mg/L	1		9056A	Total/NA
Barium	81.1		10.0	0.410	ug/L	1		6020B	Total Recoverable
Cadmium	0.301	J	0.700	0.237	ug/L	1		6020B	Total Recoverable
Cobalt	0.861	J	5.00	0.411	ug/L	1		6020B	Total Recoverable
Copper	5.50		2.00	0.642	ug/L	1		6020B	Total Recoverable
Lead	1.08		1.00	0.864	ug/L	1		6020B	Total Recoverable
Manganese	305		5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	3.13	J	5.00	0.422	ug/L	1		6020B	Total Recoverable
Zinc	21.1		10.0	8.91	ug/L	1		6020B	Total Recoverable
Ammonia (as N)	0.0673		0.0500	0.0200	mg/L	1		350.1	Total/NA
Nitrate Nitrite as N	0.145		0.100	0.0410	mg/L	1		353.2	Total/NA
Nitrite as N	0.0168	J	0.100	0.0168	mg/L	1		353.2	Total/NA
Nitrate as N	0.128		0.100	0.0250	mg/L	1		Nitrate by calc	Total/NA

Client Sample ID: SW-3

Lab Sample ID: 752-30758-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	18.3		1.00	0.390	mg/L	1		9056A	Total/NA
Barium	80.2		10.0	0.410	ug/L	1		6020B	Total Recoverable
Cobalt	0.635	J	5.00	0.411	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Raleigh

Detection Summary

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SW-3 (Continued)

Lab Sample ID: 752-30758-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	5.56		2.00	0.642	ug/L	1		6020B	Total Recoverable
Lead	0.924	J	1.00	0.864	ug/L	1		6020B	Total Recoverable
Manganese	277		5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	2.73	J	5.00	0.422	ug/L	1		6020B	Total Recoverable
Zinc	20.3		10.0	8.91	ug/L	1		6020B	Total Recoverable
Ammonia (as N)	0.0499	J	0.0500	0.0200	mg/L	1		350.1	Total/NA
Nitrate Nitrite as N	0.142		0.100	0.0410	mg/L	1		353.2	Total/NA
Nitrate as N	0.142		0.100	0.0250	mg/L	1		Nitrate by calc	Total/NA

Client Sample ID: SW-4

Lab Sample ID: 752-30758-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	18.8		1.00	0.390	mg/L	1		9056A	Total/NA
Barium	78.3		10.0	0.410	ug/L	1		6020B	Total Recoverable
Cadmium	0.300	J	0.700	0.237	ug/L	1		6020B	Total Recoverable
Cobalt	0.614	J	5.00	0.411	ug/L	1		6020B	Total Recoverable
Copper	5.00		2.00	0.642	ug/L	1		6020B	Total Recoverable
Manganese	253		5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	2.56	J	5.00	0.422	ug/L	1		6020B	Total Recoverable
Zinc	18.3		10.0	8.91	ug/L	1		6020B	Total Recoverable
Ammonia (as N)	0.0468	J	0.0500	0.0200	mg/L	1		350.1	Total/NA
Nitrate Nitrite as N	0.131		0.100	0.0410	mg/L	1		353.2	Total/NA
Nitrate as N	0.131		0.100	0.0250	mg/L	1		Nitrate by calc	Total/NA

Client Sample ID: SW-5

Lab Sample ID: 752-30758-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	17.9		1.00	0.390	mg/L	1		9056A	Total/NA
Barium	78.6		10.0	0.410	ug/L	1		6020B	Total Recoverable
Cadmium	0.303	J	0.700	0.237	ug/L	1		6020B	Total Recoverable
Cobalt	0.640	J	5.00	0.411	ug/L	1		6020B	Total Recoverable
Copper	7.97		2.00	0.642	ug/L	1		6020B	Total Recoverable
Lead	1.07		1.00	0.864	ug/L	1		6020B	Total Recoverable
Manganese	225		5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	2.46	J	5.00	0.422	ug/L	1		6020B	Total Recoverable
Zinc	21.0		10.0	8.91	ug/L	1		6020B	Total Recoverable
Ammonia (as N)	0.0501		0.0500	0.0200	mg/L	1		350.1	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Raleigh

Detection Summary

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SW-5 (Continued)

Lab Sample ID: 752-30758-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate Nitrite as N	0.104		0.100	0.0410	mg/L	1		353.2	Total/NA
Nitrate as N	0.104		0.100	0.0250	mg/L	1		Nitrate by calc	Total/NA

Client Sample ID: SW-6

Lab Sample ID: 752-30758-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	0.307		0.280	0.280	ug/L	1		8270E SIM ID	Total/NA
Sulfate	18.3		1.00	0.390	mg/L	1		9056A	Total/NA
Barium	83.8		10.0	0.410	ug/L	1		6020B	Total Recoverable
Cobalt	0.660	J	5.00	0.411	ug/L	1		6020B	Total Recoverable
Copper	6.16		2.00	0.642	ug/L	1		6020B	Total Recoverable
Lead	1.47		1.00	0.864	ug/L	1		6020B	Total Recoverable
Manganese	264		5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	3.05	J	5.00	0.422	ug/L	1		6020B	Total Recoverable
Zinc	23.8		10.0	8.91	ug/L	1		6020B	Total Recoverable
Ammonia (as N)	0.0426	J	0.0500	0.0200	mg/L	1		350.1	Total/NA
Nitrate Nitrite as N	0.101		0.100	0.0410	mg/L	1		353.2	Total/NA
Nitrate as N	0.101		0.100	0.0250	mg/L	1		Nitrate by calc	Total/NA

Client Sample ID: SW-7

Lab Sample ID: 752-30758-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	0.305		0.297	0.297	ug/L	1		8270E SIM ID	Total/NA
Sulfate	18.0		1.00	0.390	mg/L	1		9056A	Total/NA
Barium	81.7		10.0	0.410	ug/L	1		6020B	Total Recoverable
Cobalt	0.566	J	5.00	0.411	ug/L	1		6020B	Total Recoverable
Copper	5.81		2.00	0.642	ug/L	1		6020B	Total Recoverable
Lead	1.07		1.00	0.864	ug/L	1		6020B	Total Recoverable
Manganese	234		5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	2.53	J	5.00	0.422	ug/L	1		6020B	Total Recoverable
Zinc	21.7		10.0	8.91	ug/L	1		6020B	Total Recoverable
Ammonia (as N)	0.0521		0.0500	0.0200	mg/L	1		350.1	Total/NA
Nitrate Nitrite as N	0.106		0.100	0.0410	mg/L	1		353.2	Total/NA
Nitrate as N	0.106		0.100	0.0250	mg/L	1		Nitrate by calc	Total/NA

Client Sample ID: SW-Dup

Lab Sample ID: 752-30758-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	18.1		1.00	0.390	mg/L	1		9056A	Total/NA
Barium	83.2		10.0	0.410	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Raleigh

Detection Summary

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SW-Dup (Continued)

Lab Sample ID: 752-30758-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	1.12	J	5.00	0.411	ug/L	1		6020B	Total Recoverable
Copper	5.95		2.00	0.642	ug/L	1		6020B	Total Recoverable
Lead	1.80		1.00	0.864	ug/L	1		6020B	Total Recoverable
Manganese	436		5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	3.31	J	5.00	0.422	ug/L	1		6020B	Total Recoverable
Zinc	25.6		10.0	8.91	ug/L	1		6020B	Total Recoverable
Ammonia (as N)	0.0613		0.0500	0.0200	mg/L	1		350.1	Total/NA
Nitrate Nitrite as N	0.138		0.100	0.0410	mg/L	1		353.2	Total/NA
Nitrate as N	0.138		0.100	0.0250	mg/L	1		Nitrate by calc	Total/NA

Client Sample ID: Trip Blank 1

Lab Sample ID: 752-30758-9

No Detections.

Client Sample ID: Trip Blank 2

Lab Sample ID: 752-30758-10

No Detections.

Client Sample ID: Trip Blank 3

Lab Sample ID: 752-30758-11

No Detections.

Client Sample ID: Trip Blank 4

Lab Sample ID: 752-30758-12

No Detections.

Client Sample ID: SED-1

Lab Sample ID: 752-30758-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0378		0.0217	0.0104	mg/Kg	1	✳	8260D	Total/NA
Benzo[a]anthracene	1.34	J	1.80	0.480	mg/Kg	5	✳	8270E	Total/NA
Benzo[a]pyrene	1.79	J	1.80	0.256	mg/Kg	5	✳	8270E	Total/NA
Benzo[b]fluoranthene	2.02	F1	1.80	0.540	mg/Kg	5	✳	8270E	Total/NA
Benzo[g,h,i]perylene	1.14	J F1 F2	1.80	0.600	mg/Kg	5	✳	8270E	Total/NA
Benzo[k]fluoranthene	0.932	J	1.80	0.425	mg/Kg	5	✳	8270E	Total/NA
Chrysene	1.53	J	1.80	0.578	mg/Kg	5	✳	8270E	Total/NA
Fluoranthene	2.58		1.80	0.398	mg/Kg	5	✳	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	1.04	J F2 F1	1.80	0.725	mg/Kg	5	✳	8270E	Total/NA
Phenanthrene	1.41	J	1.80	0.442	mg/Kg	5	✳	8270E	Total/NA
Pyrene	2.29	F1	1.80	0.425	mg/Kg	5	✳	8270E	Total/NA
Nitrate as N	1.06	J F1	2.23	0.736	mg/Kg	1	✳	9056A	Soluble
Silver	0.0326	J	0.185	0.00215	mg/Kg	5	✳	6020B	Total/NA
Arsenic	2.66		0.445	0.0397	mg/Kg	5	✳	6020B	Total/NA
Chromium	13.8		0.741	0.153	mg/Kg	5	✳	6020B	Total/NA
Copper	33.3		0.371	0.0385	mg/Kg	5	✳	6020B	Total/NA
Cadmium	0.202	J	0.371	0.0121	mg/Kg	5	✳	6020B	Total/NA
Cobalt	9.93		0.556	0.0210	mg/Kg	5	✳	6020B	Total/NA
Barium	70.0		1.85	0.0105	mg/Kg	5	✳	6020B	Total/NA
Beryllium	0.628		0.371	0.0260	mg/Kg	5	✳	6020B	Total/NA
Manganese	270		0.741	0.0456	mg/Kg	5	✳	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Raleigh

Detection Summary

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SED-1 (Continued)

Lab Sample ID: 752-30758-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	31.7		0.741	0.0194	mg/Kg	5	✳	6020B	Total/NA
Lead	60.5		0.371	0.0437	mg/Kg	5	✳	6020B	Total/NA
Selenium	1.11	J	1.85	0.132	mg/Kg	5	✳	6020B	Total/NA
Thallium	0.0532	J	0.519	0.0312	mg/Kg	5	✳	6020B	Total/NA
Vanadium	27.8		0.741	0.0930	mg/Kg	5	✳	6020B	Total/NA
Zinc	66.5		1.85	1.54	mg/Kg	5	✳	6020B	Total/NA
Mercury	0.0362	J	0.106	0.0154	mg/Kg	1	✳	7471B	Total/NA
Ammonia (as N)	0.670	J F1	1.08	0.346	mg/Kg	1	✳	350.1	Soluble

Client Sample ID: SED-2

Lab Sample ID: 752-30758-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0682		0.0328	0.0158	mg/Kg	1	✳	8260D	Total/NA
2-Butanone (MEK)	0.00872	J	0.0328	0.00788	mg/Kg	1	✳	8260D	Total/NA
Sulfate	11.8	J	26.6	9.72	mg/Kg	1	✳	9056A	Soluble
Silver	0.0485	J	0.214	0.00248	mg/Kg	5	✳	6020B	Total/NA
Arsenic	1.14		0.513	0.0458	mg/Kg	5	✳	6020B	Total/NA
Chromium	6.52		0.855	0.176	mg/Kg	5	✳	6020B	Total/NA
Copper	28.8		0.428	0.0445	mg/Kg	5	✳	6020B	Total/NA
Cadmium	0.187	J	0.428	0.0139	mg/Kg	5	✳	6020B	Total/NA
Cobalt	3.11		0.641	0.0242	mg/Kg	5	✳	6020B	Total/NA
Barium	36.2		2.14	0.0121	mg/Kg	5	✳	6020B	Total/NA
Beryllium	0.200	J	0.428	0.0300	mg/Kg	5	✳	6020B	Total/NA
Manganese	157		0.855	0.0526	mg/Kg	5	✳	6020B	Total/NA
Nickel	8.71		0.855	0.0224	mg/Kg	5	✳	6020B	Total/NA
Lead	41.0		0.428	0.0505	mg/Kg	5	✳	6020B	Total/NA
Antimony	0.243	J	0.855	0.195	mg/Kg	5	✳	6020B	Total/NA
Vanadium	12.5		0.855	0.107	mg/Kg	5	✳	6020B	Total/NA
Zinc	93.0		2.14	1.77	mg/Kg	5	✳	6020B	Total/NA
Mercury	0.0263	J	0.130	0.0189	mg/Kg	1	✳	7471B	Total/NA

Client Sample ID: SED-3

Lab Sample ID: 752-30758-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0170	J	0.0326	0.0157	mg/Kg	1	✳	8260D	Total/NA
Fluoranthene	0.498	J	0.814	0.180	mg/Kg	2	✳	8270E	Total/NA
Pyrene	0.411	J	0.814	0.192	mg/Kg	2	✳	8270E	Total/NA
Silver	0.0193	J	0.217	0.00251	mg/Kg	5	✳	6020B	Total/NA
Arsenic	0.453	J	0.520	0.0463	mg/Kg	5	✳	6020B	Total/NA
Chromium	2.88		0.866	0.178	mg/Kg	5	✳	6020B	Total/NA
Copper	6.24		0.433	0.0450	mg/Kg	5	✳	6020B	Total/NA
Cadmium	0.0424	J	0.433	0.0141	mg/Kg	5	✳	6020B	Total/NA
Cobalt	1.14		0.650	0.0245	mg/Kg	5	✳	6020B	Total/NA
Barium	14.6		2.17	0.0123	mg/Kg	5	✳	6020B	Total/NA
Beryllium	0.137	J	0.433	0.0304	mg/Kg	5	✳	6020B	Total/NA
Manganese	52.8		0.866	0.0533	mg/Kg	5	✳	6020B	Total/NA
Nickel	3.04		0.866	0.0227	mg/Kg	5	✳	6020B	Total/NA
Lead	11.1		0.433	0.0511	mg/Kg	5	✳	6020B	Total/NA
Vanadium	5.34		0.866	0.109	mg/Kg	5	✳	6020B	Total/NA
Zinc	28.7		2.17	1.80	mg/Kg	5	✳	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Raleigh

Detection Summary

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SED-4

Lab Sample ID: 752-30758-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Silver	0.0217	J	0.190	0.00221	mg/Kg	5	✳	6020B	Total/NA
Arsenic	0.401	J	0.456	0.0407	mg/Kg	5	✳	6020B	Total/NA
Chromium	3.18		0.761	0.157	mg/Kg	5	✳	6020B	Total/NA
Copper	11.0		0.380	0.0396	mg/Kg	5	✳	6020B	Total/NA
Cadmium	0.0517	J	0.380	0.0124	mg/Kg	5	✳	6020B	Total/NA
Cobalt	1.22		0.571	0.0215	mg/Kg	5	✳	6020B	Total/NA
Barium	11.0		1.90	0.0108	mg/Kg	5	✳	6020B	Total/NA
Beryllium	0.128	J	0.380	0.0267	mg/Kg	5	✳	6020B	Total/NA
Manganese	84.2		0.761	0.0468	mg/Kg	5	✳	6020B	Total/NA
Nickel	3.20		0.761	0.0199	mg/Kg	5	✳	6020B	Total/NA
Lead	14.7		0.380	0.0449	mg/Kg	5	✳	6020B	Total/NA
Vanadium	4.98		0.761	0.0955	mg/Kg	5	✳	6020B	Total/NA
Zinc	31.7		1.90	1.58	mg/Kg	5	✳	6020B	Total/NA
Mercury	0.0198	J	0.121	0.0177	mg/Kg	1	✳	7471B	Total/NA

Client Sample ID: SED-5

Lab Sample ID: 752-30758-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	10.1	J	26.9	9.83	mg/Kg	1	✳	9056A	Soluble
Silver	0.0773	J	0.193	0.00224	mg/Kg	5	✳	6020B	Total/NA
Arsenic	0.895		0.464	0.0413	mg/Kg	5	✳	6020B	Total/NA
Chromium	5.95		0.773	0.159	mg/Kg	5	✳	6020B	Total/NA
Copper	36.6		0.386	0.0402	mg/Kg	5	✳	6020B	Total/NA
Cadmium	0.100	J	0.386	0.0126	mg/Kg	5	✳	6020B	Total/NA
Cobalt	2.03		0.580	0.0219	mg/Kg	5	✳	6020B	Total/NA
Barium	23.3		1.93	0.0109	mg/Kg	5	✳	6020B	Total/NA
Beryllium	0.134	J	0.386	0.0271	mg/Kg	5	✳	6020B	Total/NA
Manganese	97.1		0.773	0.0475	mg/Kg	5	✳	6020B	Total/NA
Nickel	10.1		0.773	0.0202	mg/Kg	5	✳	6020B	Total/NA
Lead	45.9		0.386	0.0456	mg/Kg	5	✳	6020B	Total/NA
Antimony	0.230	J	0.773	0.177	mg/Kg	5	✳	6020B	Total/NA
Vanadium	7.88		0.773	0.0970	mg/Kg	5	✳	6020B	Total/NA
Zinc	76.9		1.93	1.60	mg/Kg	5	✳	6020B	Total/NA

Client Sample ID: SED-6

Lab Sample ID: 752-30758-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0371		0.0335	0.0161	mg/Kg	1	✳	8260D	Total/NA
Silver	0.0948	J	0.220	0.00255	mg/Kg	5	✳	6020B	Total/NA
Arsenic	0.779		0.528	0.0470	mg/Kg	5	✳	6020B	Total/NA
Chromium	7.22		0.879	0.181	mg/Kg	5	✳	6020B	Total/NA
Copper	113		0.440	0.0457	mg/Kg	5	✳	6020B	Total/NA
Cadmium	0.159	J	0.440	0.0143	mg/Kg	5	✳	6020B	Total/NA
Cobalt	1.81		0.660	0.0249	mg/Kg	5	✳	6020B	Total/NA
Barium	20.7		2.20	0.0124	mg/Kg	5	✳	6020B	Total/NA
Beryllium	0.176	J	0.440	0.0308	mg/Kg	5	✳	6020B	Total/NA
Manganese	149		0.879	0.0541	mg/Kg	5	✳	6020B	Total/NA
Nickel	13.6		0.879	0.0230	mg/Kg	5	✳	6020B	Total/NA
Lead	38.0		0.440	0.0519	mg/Kg	5	✳	6020B	Total/NA
Vanadium	7.79		0.879	0.110	mg/Kg	5	✳	6020B	Total/NA
Zinc	56.4		2.20	1.82	mg/Kg	5	✳	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Raleigh

Detection Summary

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SED-7

Lab Sample ID: 752-30758-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0798		0.0755	0.0363	mg/Kg	1	✳	8260D	Total/NA
Silver	0.0285	J	0.197	0.00228	mg/Kg	5	✳	6020B	Total/NA
Arsenic	0.474		0.472	0.0421	mg/Kg	5	✳	6020B	Total/NA
Chromium	3.95		0.787	0.162	mg/Kg	5	✳	6020B	Total/NA
Copper	7.91		0.393	0.0409	mg/Kg	5	✳	6020B	Total/NA
Cadmium	0.0736	J	0.393	0.0128	mg/Kg	5	✳	6020B	Total/NA
Cobalt	1.51		0.590	0.0223	mg/Kg	5	✳	6020B	Total/NA
Barium	12.7		1.97	0.0111	mg/Kg	5	✳	6020B	Total/NA
Beryllium	0.113	J	0.393	0.0276	mg/Kg	5	✳	6020B	Total/NA
Manganese	39.7		0.787	0.0484	mg/Kg	5	✳	6020B	Total/NA
Nickel	4.97		0.787	0.0206	mg/Kg	5	✳	6020B	Total/NA
Lead	19.1		0.393	0.0464	mg/Kg	5	✳	6020B	Total/NA
Vanadium	5.68		0.787	0.0988	mg/Kg	5	✳	6020B	Total/NA
Zinc	34.5		1.97	1.63	mg/Kg	5	✳	6020B	Total/NA

Client Sample ID: SED-Dup

Lab Sample ID: 752-30758-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0750		0.0310	0.0149	mg/Kg	1	✳	8260D	Total/NA
Sulfate	13.5	J	25.3	9.24	mg/Kg	1	✳	9056A	Soluble
Silver	0.0329	J	0.227	0.00263	mg/Kg	5	✳	6020B	Total/NA
Arsenic	1.14		0.545	0.0486	mg/Kg	5	✳	6020B	Total/NA
Chromium	7.00		0.909	0.187	mg/Kg	5	✳	6020B	Total/NA
Copper	18.9		0.454	0.0472	mg/Kg	5	✳	6020B	Total/NA
Cadmium	0.136	J	0.454	0.0148	mg/Kg	5	✳	6020B	Total/NA
Cobalt	2.77		0.681	0.0257	mg/Kg	5	✳	6020B	Total/NA
Barium	34.6		2.27	0.0129	mg/Kg	5	✳	6020B	Total/NA
Beryllium	0.171	J	0.454	0.0318	mg/Kg	5	✳	6020B	Total/NA
Manganese	113		0.909	0.0559	mg/Kg	5	✳	6020B	Total/NA
Nickel	10.6		0.909	0.0238	mg/Kg	5	✳	6020B	Total/NA
Lead	44.0		0.454	0.0536	mg/Kg	5	✳	6020B	Total/NA
Antimony	0.217	J	0.909	0.208	mg/Kg	5	✳	6020B	Total/NA
Vanadium	11.6		0.909	0.114	mg/Kg	5	✳	6020B	Total/NA
Zinc	69.7		2.27	1.89	mg/Kg	5	✳	6020B	Total/NA
Mercury	0.0255	J	0.117	0.0171	mg/Kg	1	✳	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Raleigh

Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SW-1
Date Collected: 03/19/25 13:00
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-1
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			04/01/25 17:00	1
Benzene	ND		1.00	0.500	ug/L			04/01/25 17:00	1
Bromobenzene	ND		1.00	0.540	ug/L			04/01/25 17:00	1
Bromoform	ND		5.00	0.250	ug/L			04/01/25 17:00	1
Bromomethane	ND		1.00	0.980	ug/L			04/01/25 17:00	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			04/01/25 17:00	1
Carbon disulfide	ND		1.00	0.500	ug/L			04/01/25 17:00	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			04/01/25 17:00	1
Chlorobenzene	ND		1.00	0.420	ug/L			04/01/25 17:00	1
Chlorobromomethane	ND		1.00	0.520	ug/L			04/01/25 17:00	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			04/01/25 17:00	1
Chloroethane	ND		1.00	0.760	ug/L			04/01/25 17:00	1
Chloroform	ND		1.00	0.900	ug/L			04/01/25 17:00	1
Chloromethane	ND		1.00	0.400	ug/L			04/01/25 17:00	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			04/01/25 17:00	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			04/01/25 17:00	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			04/01/25 17:00	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			04/01/25 17:00	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			04/01/25 17:00	1
Dibromomethane	ND		5.00	0.220	ug/L			04/01/25 17:00	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			04/01/25 17:00	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			04/01/25 17:00	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			04/01/25 17:00	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			04/01/25 17:00	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			04/01/25 17:00	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			04/01/25 17:00	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			04/01/25 17:00	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			04/01/25 17:00	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			04/01/25 17:00	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			04/01/25 17:00	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			04/01/25 17:00	1
Ethyl acetate	ND		10.0	6.14	ug/L			04/01/25 17:00	1
Ethylbenzene	ND		1.00	0.500	ug/L			04/01/25 17:00	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			04/01/25 17:00	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			04/01/25 17:00	1
Hexane	ND		1.00	0.960	ug/L			04/01/25 17:00	1
2-Hexanone	ND		25.0	4.26	ug/L			04/01/25 17:00	1
Iodomethane	ND		1.00	0.900	ug/L			04/01/25 17:00	1
Isopropylbenzene	ND		1.00	0.530	ug/L			04/01/25 17:00	1
Isopropyl ether	ND		1.00	0.740	ug/L			04/01/25 17:00	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			04/01/25 17:00	1
Methylene Chloride	ND		5.00	3.00	ug/L			04/01/25 17:00	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			04/01/25 17:00	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			04/01/25 17:00	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			04/01/25 17:00	1
Naphthalene	ND		5.00	3.00	ug/L			04/01/25 17:00	1
n-Butylbenzene	ND		1.00	0.760	ug/L			04/01/25 17:00	1
n-Heptane	ND		1.00	0.210	ug/L			04/01/25 17:00	1
N-Propylbenzene	ND		1.00	0.690	ug/L			04/01/25 17:00	1

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Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SW-1
Date Collected: 03/19/25 13:00
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-1
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			04/01/25 17:00	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			04/01/25 17:00	1
Styrene	ND		1.00	1.00	ug/L			04/01/25 17:00	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			04/01/25 17:00	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			04/01/25 17:00	1
1,1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			04/01/25 17:00	1
Tetrachloroethene	ND		1.00	0.330	ug/L			04/01/25 17:00	1
Toluene	ND		1.00	0.900	ug/L			04/01/25 17:00	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			04/01/25 17:00	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			04/01/25 17:00	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			04/01/25 17:00	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			04/01/25 17:00	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			04/01/25 17:00	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			04/01/25 17:00	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			04/01/25 17:00	1
Trichloroethene	ND		1.00	0.150	ug/L			04/01/25 17:00	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			04/01/25 17:00	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			04/01/25 17:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			04/01/25 17:00	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			04/01/25 17:00	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			04/01/25 17:00	1
Vinyl acetate	ND		25.0	0.930	ug/L			04/01/25 17:00	1
Vinyl chloride	ND		1.00	0.500	ug/L			04/01/25 17:00	1
Xylenes, Total	ND		10.0	6.00	ug/L			04/01/25 17:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	105		56 - 136		04/01/25 17:00	1
Dibromofluoromethane	94		79 - 130		04/01/25 17:00	1
1,2-Dichloroethane-d4 (Surr)	92		59 - 146		04/01/25 17:00	1
Toluene-d8 (Surr)	101		64 - 132		04/01/25 17:00	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		03/26/25 16:26	03/31/25 17:55	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	29		10 - 140	03/26/25 16:26	03/31/25 17:55	1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.43	3.40	ug/L		03/25/25 12:15	03/27/25 20:19	1
2,4,5-Trichlorophenol	ND		9.43	3.77	ug/L		03/25/25 12:15	03/27/25 20:19	1
2,4,6-Trichlorophenol	ND		9.43	3.30	ug/L		03/25/25 12:15	03/27/25 20:19	1
2,4-Dichlorophenol	ND		9.43	4.06	ug/L		03/25/25 12:15	03/27/25 20:19	1
2,4-Dimethylphenol	ND		9.43	4.91	ug/L		03/25/25 12:15	03/27/25 20:19	1
2,4-Dinitrophenol	ND		28.3	4.34	ug/L		03/25/25 12:15	03/27/25 20:19	1
2,4-Dinitrotoluene	ND		9.43	4.81	ug/L		03/25/25 12:15	03/27/25 20:19	1
2-Chlorophenol	ND		9.43	3.87	ug/L		03/25/25 12:15	03/27/25 20:19	1
2-Chloronaphthalene	ND		9.43	3.58	ug/L		03/25/25 12:15	03/27/25 20:19	1
2-Methylnaphthalene	ND		9.43	4.34	ug/L		03/25/25 12:15	03/27/25 20:19	1
2-Methylphenol	ND		9.43	3.02	ug/L		03/25/25 12:15	03/27/25 20:19	1

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Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SW-1
Date Collected: 03/19/25 13:00
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-1
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		9.43	4.72	ug/L		03/25/25 12:15	03/27/25 20:19	1
2-Nitrophenol	ND		9.43	4.34	ug/L		03/25/25 12:15	03/27/25 20:19	1
3 & 4 Methylphenol	ND		18.9	4.34	ug/L		03/25/25 12:15	03/27/25 20:19	1
3,3'-Dichlorobenzidine	ND	+	10.4	10.4	ug/L		03/25/25 12:15	03/27/25 20:19	1
3-Nitroaniline	ND		9.43	4.43	ug/L		03/25/25 12:15	03/27/25 20:19	1
4,6-Dinitro-2-methylphenol	ND		9.43	9.43	ug/L		03/25/25 12:15	03/27/25 20:19	1
4-Bromophenyl phenyl ether	ND		9.43	8.11	ug/L		03/25/25 12:15	03/27/25 20:19	1
4-Chloro-3-methylphenol	ND		9.43	5.00	ug/L		03/25/25 12:15	03/27/25 20:19	1
4-Chloroaniline	ND		9.43	4.43	ug/L		03/25/25 12:15	03/27/25 20:19	1
4-Chlorophenyl phenyl ether	ND		9.43	3.49	ug/L		03/25/25 12:15	03/27/25 20:19	1
4-Nitroaniline	ND		9.43	3.87	ug/L		03/25/25 12:15	03/27/25 20:19	1
Acenaphthene	ND		9.43	4.15	ug/L		03/25/25 12:15	03/27/25 20:19	1
Acenaphthylene	ND		9.43	3.87	ug/L		03/25/25 12:15	03/27/25 20:19	1
Acetophenone	ND		9.43	4.81	ug/L		03/25/25 12:15	03/27/25 20:19	1
Anthracene	ND		9.43	3.68	ug/L		03/25/25 12:15	03/27/25 20:19	1
Benzo[a]anthracene	ND		9.43	6.23	ug/L		03/25/25 12:15	03/27/25 20:19	1
Benzo[a]pyrene	ND		9.43	2.74	ug/L		03/25/25 12:15	03/27/25 20:19	1
Benzo[b]fluoranthene	ND		9.43	4.91	ug/L		03/25/25 12:15	03/27/25 20:19	1
Benzo[g,h,i]perylene	ND		9.43	2.92	ug/L		03/25/25 12:15	03/27/25 20:19	1
Benzo[k]fluoranthene	ND		9.43	3.11	ug/L		03/25/25 12:15	03/27/25 20:19	1
Bis(2-chloroethoxy)methane	ND		9.43	4.34	ug/L		03/25/25 12:15	03/27/25 20:19	1
Bis(2-chloroethyl)ether	ND		9.43	3.68	ug/L		03/25/25 12:15	03/27/25 20:19	1
Bis(2-ethylhexyl) phthalate	ND		9.43	8.40	ug/L		03/25/25 12:15	03/27/25 20:19	1
Chrysene	ND		9.43	6.04	ug/L		03/25/25 12:15	03/27/25 20:19	1
Dibenz(a,h)anthracene	ND		9.43	2.55	ug/L		03/25/25 12:15	03/27/25 20:19	1
Dibenzofuran	ND		9.43	3.77	ug/L		03/25/25 12:15	03/27/25 20:19	1
Di-n-butyl phthalate	ND		9.43	4.34	ug/L		03/25/25 12:15	03/27/25 20:19	1
Diethyl phthalate	ND		9.43	4.15	ug/L		03/25/25 12:15	03/27/25 20:19	1
Dimethyl phthalate	ND		9.43	3.96	ug/L		03/25/25 12:15	03/27/25 20:19	1
Di-n-octyl phthalate	ND		9.43	5.66	ug/L		03/25/25 12:15	03/27/25 20:19	1
Fluoranthene	ND		9.43	3.87	ug/L		03/25/25 12:15	03/27/25 20:19	1
Fluorene	ND		9.43	4.43	ug/L		03/25/25 12:15	03/27/25 20:19	1
Hexachlorobenzene	ND		9.43	9.15	ug/L		03/25/25 12:15	03/27/25 20:19	1
Hexachlorobutadiene	ND		9.43	3.49	ug/L		03/25/25 12:15	03/27/25 20:19	1
Hexachlorocyclopentadiene	ND		18.9	4.25	ug/L		03/25/25 12:15	03/27/25 20:19	1
Hexachloroethane	ND		9.43	4.91	ug/L		03/25/25 12:15	03/27/25 20:19	1
Indeno[1,2,3-cd]pyrene	ND		9.43	2.74	ug/L		03/25/25 12:15	03/27/25 20:19	1
Isophorone	ND		9.43	4.91	ug/L		03/25/25 12:15	03/27/25 20:19	1
Naphthalene	ND		9.43	3.77	ug/L		03/25/25 12:15	03/27/25 20:19	1
Nitrobenzene	ND		9.43	4.43	ug/L		03/25/25 12:15	03/27/25 20:19	1
N-Nitrosodiphenylamine	ND		9.43	3.49	ug/L		03/25/25 12:15	03/27/25 20:19	1
N-Nitrosodi-n-propylamine	ND		9.43	2.36	ug/L		03/25/25 12:15	03/27/25 20:19	1
Pentachlorophenol	ND		18.9	11.2	ug/L		03/25/25 12:15	03/27/25 20:19	1
Phenanthrene	ND		9.43	2.64	ug/L		03/25/25 12:15	03/27/25 20:19	1
Phenol	ND		9.43	3.96	ug/L		03/25/25 12:15	03/27/25 20:19	1
Pyrene	ND		9.43	3.68	ug/L		03/25/25 12:15	03/27/25 20:19	1
Butyl benzyl phthalate	ND		9.43	5.47	ug/L		03/25/25 12:15	03/27/25 20:19	1
bis (2-chloroisopropyl) ether	ND		9.43	1.70	ug/L		03/25/25 12:15	03/27/25 20:19	1
Carbazole	ND		9.43	4.72	ug/L		03/25/25 12:15	03/27/25 20:19	1

Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SW-1
Date Collected: 03/19/25 13:00
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-1
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		9.43	3.68	ug/L		03/25/25 12:15	03/27/25 20:19	1
4-Nitrophenol	ND		9.43	3.11	ug/L		03/25/25 12:15	03/27/25 20:19	1
Atrazine	ND		9.43	4.72	ug/L		03/25/25 12:15	03/27/25 20:19	1
Benzaldehyde	ND		9.43	2.17	ug/L		03/25/25 12:15	03/27/25 20:19	1
Caprolactam	ND		9.43	2.26	ug/L		03/25/25 12:15	03/27/25 20:19	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	76		10 - 150				03/25/25 12:15	03/27/25 20:19	1
2-Fluorobiphenyl (Surr)	70		21 - 114				03/25/25 12:15	03/27/25 20:19	1
2-Fluorophenol (Surr)	35		10 - 105				03/25/25 12:15	03/27/25 20:19	1
Terphenyl-d14 (Surr)	84		13 - 150				03/25/25 12:15	03/27/25 20:19	1
Phenol-d5 (Surr)	25		10 - 129				03/25/25 12:15	03/27/25 20:19	1
Nitrobenzene-d5 (Surr)	56		16 - 127				03/25/25 12:15	03/27/25 20:19	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	19.3		1.00	0.390	mg/L			03/22/25 17:44	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		03/24/25 12:30	03/26/25 00:53	1
Arsenic	ND		5.00	1.32	ug/L		03/24/25 12:30	03/26/25 00:53	1
Barium	84.3		10.0	0.410	ug/L		03/24/25 12:30	03/26/25 00:53	1
Beryllium	ND		1.00	0.147	ug/L		03/24/25 12:30	03/26/25 00:53	1
Cadmium	0.291	J	0.700	0.237	ug/L		03/24/25 12:30	03/26/25 00:53	1
Chromium	ND		5.00	3.69	ug/L		03/24/25 12:30	03/26/25 00:53	1
Cobalt	0.789	J	5.00	0.411	ug/L		03/24/25 12:30	03/26/25 00:53	1
Copper	6.25		2.00	0.642	ug/L		03/24/25 12:30	03/26/25 00:53	1
Lead	1.37		1.00	0.864	ug/L		03/24/25 12:30	03/26/25 00:53	1
Manganese	274		5.00	1.29	ug/L		03/24/25 12:30	03/31/25 14:56	1
Nickel	3.01	J	5.00	0.422	ug/L		03/24/25 12:30	03/26/25 00:53	1
Selenium	ND		5.00	2.29	ug/L		03/24/25 12:30	03/26/25 00:53	1
Silver	ND		1.00	0.167	ug/L		03/24/25 12:30	03/26/25 00:53	1
Thallium	ND		1.00	0.190	ug/L		03/24/25 12:30	03/26/25 00:53	1
Vanadium	ND		5.00	1.22	ug/L		03/24/25 12:30	03/26/25 00:53	1
Zinc	23.3		10.0	8.91	ug/L		03/24/25 12:30	03/26/25 00:53	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		03/27/25 19:04	03/27/25 22:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	0.0645		0.0500	0.0200	mg/L			03/21/25 11:20	1
Nitrate Nitrite as N (EPA 353.2)	0.168	F1	0.100	0.0410	mg/L			03/24/25 10:53	1
Nitrite as N (EPA 353.2)	0.0784	J	0.100	0.0168	mg/L			03/20/25 16:45	1
Nitrate as N (SM Nitrate by calc)	0.0896	J	0.100	0.0250	mg/L			03/26/25 16:31	1

Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SW-2
Date Collected: 03/19/25 12:00
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-2
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			04/01/25 17:25	1
Benzene	ND		1.00	0.500	ug/L			04/01/25 17:25	1
Bromobenzene	ND		1.00	0.540	ug/L			04/01/25 17:25	1
Bromoform	ND		5.00	0.250	ug/L			04/01/25 17:25	1
Bromomethane	ND		1.00	0.980	ug/L			04/01/25 17:25	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			04/01/25 17:25	1
Carbon disulfide	ND		1.00	0.500	ug/L			04/01/25 17:25	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			04/01/25 17:25	1
Chlorobenzene	ND		1.00	0.420	ug/L			04/01/25 17:25	1
Chlorobromomethane	ND		1.00	0.520	ug/L			04/01/25 17:25	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			04/01/25 17:25	1
Chloroethane	ND		1.00	0.760	ug/L			04/01/25 17:25	1
Chloroform	ND		1.00	0.900	ug/L			04/01/25 17:25	1
Chloromethane	ND		1.00	0.400	ug/L			04/01/25 17:25	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			04/01/25 17:25	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			04/01/25 17:25	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			04/01/25 17:25	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			04/01/25 17:25	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			04/01/25 17:25	1
Dibromomethane	ND		5.00	0.220	ug/L			04/01/25 17:25	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			04/01/25 17:25	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			04/01/25 17:25	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			04/01/25 17:25	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			04/01/25 17:25	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			04/01/25 17:25	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			04/01/25 17:25	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			04/01/25 17:25	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			04/01/25 17:25	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			04/01/25 17:25	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			04/01/25 17:25	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			04/01/25 17:25	1
Ethyl acetate	ND		10.0	6.14	ug/L			04/01/25 17:25	1
Ethylbenzene	ND		1.00	0.500	ug/L			04/01/25 17:25	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			04/01/25 17:25	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			04/01/25 17:25	1
Hexane	ND		1.00	0.960	ug/L			04/01/25 17:25	1
2-Hexanone	ND		25.0	4.26	ug/L			04/01/25 17:25	1
Iodomethane	ND		1.00	0.900	ug/L			04/01/25 17:25	1
Isopropylbenzene	ND		1.00	0.530	ug/L			04/01/25 17:25	1
Isopropyl ether	ND		1.00	0.740	ug/L			04/01/25 17:25	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			04/01/25 17:25	1
Methylene Chloride	ND		5.00	3.00	ug/L			04/01/25 17:25	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			04/01/25 17:25	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			04/01/25 17:25	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			04/01/25 17:25	1
Naphthalene	ND		5.00	3.00	ug/L			04/01/25 17:25	1
n-Butylbenzene	ND		1.00	0.760	ug/L			04/01/25 17:25	1
n-Heptane	ND		1.00	0.210	ug/L			04/01/25 17:25	1
N-Propylbenzene	ND		1.00	0.690	ug/L			04/01/25 17:25	1

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Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SW-2
Date Collected: 03/19/25 12:00
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-2
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			04/01/25 17:25	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			04/01/25 17:25	1
Styrene	ND		1.00	1.00	ug/L			04/01/25 17:25	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			04/01/25 17:25	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			04/01/25 17:25	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			04/01/25 17:25	1
Tetrachloroethene	ND		1.00	0.330	ug/L			04/01/25 17:25	1
Toluene	ND		1.00	0.900	ug/L			04/01/25 17:25	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			04/01/25 17:25	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			04/01/25 17:25	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			04/01/25 17:25	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			04/01/25 17:25	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			04/01/25 17:25	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			04/01/25 17:25	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			04/01/25 17:25	1
Trichloroethene	ND		1.00	0.150	ug/L			04/01/25 17:25	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			04/01/25 17:25	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			04/01/25 17:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			04/01/25 17:25	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			04/01/25 17:25	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			04/01/25 17:25	1
Vinyl acetate	ND		25.0	0.930	ug/L			04/01/25 17:25	1
Vinyl chloride	ND		1.00	0.500	ug/L			04/01/25 17:25	1
Xylenes, Total	ND		10.0	6.00	ug/L			04/01/25 17:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	106		56 - 136		04/01/25 17:25	1
Dibromofluoromethane	93		79 - 130		04/01/25 17:25	1
1,2-Dichloroethane-d4 (Surr)	93		59 - 146		04/01/25 17:25	1
Toluene-d8 (Surr)	100		64 - 132		04/01/25 17:25	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	0.308		0.283	0.283	ug/L		03/26/25 16:26	03/31/25 18:16	1
Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1,4-Dioxane-d8	30		10 - 140	03/26/25 16:26	03/31/25 18:16	1			

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.31	3.35	ug/L		03/25/25 12:15	03/27/25 20:45	1
2,4,5-Trichlorophenol	ND		9.31	3.72	ug/L		03/25/25 12:15	03/27/25 20:45	1
2,4,6-Trichlorophenol	ND		9.31	3.26	ug/L		03/25/25 12:15	03/27/25 20:45	1
2,4-Dichlorophenol	ND		9.31	4.00	ug/L		03/25/25 12:15	03/27/25 20:45	1
2,4-Dimethylphenol	ND		9.31	4.84	ug/L		03/25/25 12:15	03/27/25 20:45	1
2,4-Dinitrophenol	ND		27.9	4.28	ug/L		03/25/25 12:15	03/27/25 20:45	1
2,4-Dinitrotoluene	ND		9.31	4.75	ug/L		03/25/25 12:15	03/27/25 20:45	1
2-Chlorophenol	ND		9.31	3.82	ug/L		03/25/25 12:15	03/27/25 20:45	1
2-Chloronaphthalene	ND		9.31	3.54	ug/L		03/25/25 12:15	03/27/25 20:45	1
2-Methylnaphthalene	ND		9.31	4.28	ug/L		03/25/25 12:15	03/27/25 20:45	1
2-Methylphenol	ND		9.31	2.98	ug/L		03/25/25 12:15	03/27/25 20:45	1

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Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SW-2
Date Collected: 03/19/25 12:00
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-2
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		9.31	4.65	ug/L		03/25/25 12:15	03/27/25 20:45	1
2-Nitrophenol	ND		9.31	4.28	ug/L		03/25/25 12:15	03/27/25 20:45	1
3 & 4 Methylphenol	ND		18.6	4.28	ug/L		03/25/25 12:15	03/27/25 20:45	1
3,3'-Dichlorobenzidine	ND	+	10.2	10.2	ug/L		03/25/25 12:15	03/27/25 20:45	1
3-Nitroaniline	ND		9.31	4.37	ug/L		03/25/25 12:15	03/27/25 20:45	1
4,6-Dinitro-2-methylphenol	ND		9.31	9.31	ug/L		03/25/25 12:15	03/27/25 20:45	1
4-Bromophenyl phenyl ether	ND		9.31	8.00	ug/L		03/25/25 12:15	03/27/25 20:45	1
4-Chloro-3-methylphenol	ND		9.31	4.93	ug/L		03/25/25 12:15	03/27/25 20:45	1
4-Chloroaniline	ND		9.31	4.37	ug/L		03/25/25 12:15	03/27/25 20:45	1
4-Chlorophenyl phenyl ether	ND		9.31	3.44	ug/L		03/25/25 12:15	03/27/25 20:45	1
4-Nitroaniline	ND		9.31	3.82	ug/L		03/25/25 12:15	03/27/25 20:45	1
Acenaphthene	ND		9.31	4.10	ug/L		03/25/25 12:15	03/27/25 20:45	1
Acenaphthylene	ND		9.31	3.82	ug/L		03/25/25 12:15	03/27/25 20:45	1
Acetophenone	ND		9.31	4.75	ug/L		03/25/25 12:15	03/27/25 20:45	1
Anthracene	ND		9.31	3.63	ug/L		03/25/25 12:15	03/27/25 20:45	1
Benzo[a]anthracene	ND		9.31	6.14	ug/L		03/25/25 12:15	03/27/25 20:45	1
Benzo[a]pyrene	ND		9.31	2.70	ug/L		03/25/25 12:15	03/27/25 20:45	1
Benzo[b]fluoranthene	ND		9.31	4.84	ug/L		03/25/25 12:15	03/27/25 20:45	1
Benzo[g,h,i]perylene	ND		9.31	2.89	ug/L		03/25/25 12:15	03/27/25 20:45	1
Benzo[k]fluoranthene	ND		9.31	3.07	ug/L		03/25/25 12:15	03/27/25 20:45	1
Bis(2-chloroethoxy)methane	ND		9.31	4.28	ug/L		03/25/25 12:15	03/27/25 20:45	1
Bis(2-chloroethyl)ether	ND		9.31	3.63	ug/L		03/25/25 12:15	03/27/25 20:45	1
Bis(2-ethylhexyl) phthalate	ND		9.31	8.28	ug/L		03/25/25 12:15	03/27/25 20:45	1
Chrysene	ND		9.31	5.96	ug/L		03/25/25 12:15	03/27/25 20:45	1
Dibenz(a,h)anthracene	ND		9.31	2.51	ug/L		03/25/25 12:15	03/27/25 20:45	1
Dibenzofuran	ND		9.31	3.72	ug/L		03/25/25 12:15	03/27/25 20:45	1
Di-n-butyl phthalate	ND		9.31	4.28	ug/L		03/25/25 12:15	03/27/25 20:45	1
Diethyl phthalate	ND		9.31	4.10	ug/L		03/25/25 12:15	03/27/25 20:45	1
Dimethyl phthalate	ND		9.31	3.91	ug/L		03/25/25 12:15	03/27/25 20:45	1
Di-n-octyl phthalate	ND		9.31	5.58	ug/L		03/25/25 12:15	03/27/25 20:45	1
Fluoranthene	ND		9.31	3.82	ug/L		03/25/25 12:15	03/27/25 20:45	1
Fluorene	ND		9.31	4.37	ug/L		03/25/25 12:15	03/27/25 20:45	1
Hexachlorobenzene	ND		9.31	9.03	ug/L		03/25/25 12:15	03/27/25 20:45	1
Hexachlorobutadiene	ND		9.31	3.44	ug/L		03/25/25 12:15	03/27/25 20:45	1
Hexachlorocyclopentadiene	ND		18.6	4.19	ug/L		03/25/25 12:15	03/27/25 20:45	1
Hexachloroethane	ND		9.31	4.84	ug/L		03/25/25 12:15	03/27/25 20:45	1
Indeno[1,2,3-cd]pyrene	ND		9.31	2.70	ug/L		03/25/25 12:15	03/27/25 20:45	1
Isophorone	ND		9.31	4.84	ug/L		03/25/25 12:15	03/27/25 20:45	1
Naphthalene	ND		9.31	3.72	ug/L		03/25/25 12:15	03/27/25 20:45	1
Nitrobenzene	ND		9.31	4.37	ug/L		03/25/25 12:15	03/27/25 20:45	1
N-Nitrosodiphenylamine	ND		9.31	3.44	ug/L		03/25/25 12:15	03/27/25 20:45	1
N-Nitrosodi-n-propylamine	ND		9.31	2.33	ug/L		03/25/25 12:15	03/27/25 20:45	1
Pentachlorophenol	ND		18.6	11.1	ug/L		03/25/25 12:15	03/27/25 20:45	1
Phenanthrene	ND		9.31	2.61	ug/L		03/25/25 12:15	03/27/25 20:45	1
Phenol	ND		9.31	3.91	ug/L		03/25/25 12:15	03/27/25 20:45	1
Pyrene	ND		9.31	3.63	ug/L		03/25/25 12:15	03/27/25 20:45	1
Butyl benzyl phthalate	ND		9.31	5.40	ug/L		03/25/25 12:15	03/27/25 20:45	1
bis (2-chloroisopropyl) ether	ND		9.31	1.68	ug/L		03/25/25 12:15	03/27/25 20:45	1
Carbazole	ND		9.31	4.65	ug/L		03/25/25 12:15	03/27/25 20:45	1

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Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SW-2
Date Collected: 03/19/25 12:00
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-2
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		9.31	3.63	ug/L		03/25/25 12:15	03/27/25 20:45	1
4-Nitrophenol	ND		9.31	3.07	ug/L		03/25/25 12:15	03/27/25 20:45	1
Atrazine	ND		9.31	4.65	ug/L		03/25/25 12:15	03/27/25 20:45	1
Benzaldehyde	ND		9.31	2.14	ug/L		03/25/25 12:15	03/27/25 20:45	1
Caprolactam	ND		9.31	2.23	ug/L		03/25/25 12:15	03/27/25 20:45	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	81		10 - 150				03/25/25 12:15	03/27/25 20:45	1
2-Fluorobiphenyl (Surr)	71		21 - 114				03/25/25 12:15	03/27/25 20:45	1
2-Fluorophenol (Surr)	34		10 - 105				03/25/25 12:15	03/27/25 20:45	1
Terphenyl-d14 (Surr)	85		13 - 150				03/25/25 12:15	03/27/25 20:45	1
Phenol-d5 (Surr)	24		10 - 129				03/25/25 12:15	03/27/25 20:45	1
Nitrobenzene-d5 (Surr)	58		16 - 127				03/25/25 12:15	03/27/25 20:45	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	18.4		1.00	0.390	mg/L			03/22/25 17:52	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		03/24/25 12:30	03/26/25 00:56	1
Arsenic	ND		5.00	1.32	ug/L		03/24/25 12:30	03/26/25 00:56	1
Barium	81.1		10.0	0.410	ug/L		03/24/25 12:30	03/26/25 00:56	1
Beryllium	ND		1.00	0.147	ug/L		03/24/25 12:30	03/26/25 00:56	1
Cadmium	0.301	J	0.700	0.237	ug/L		03/24/25 12:30	03/26/25 00:56	1
Chromium	ND		5.00	3.69	ug/L		03/24/25 12:30	03/26/25 00:56	1
Cobalt	0.861	J	5.00	0.411	ug/L		03/24/25 12:30	03/26/25 00:56	1
Copper	5.50		2.00	0.642	ug/L		03/24/25 12:30	03/26/25 00:56	1
Lead	1.08		1.00	0.864	ug/L		03/24/25 12:30	03/26/25 00:56	1
Manganese	305		5.00	1.29	ug/L		03/24/25 12:30	03/31/25 14:58	1
Nickel	3.13	J	5.00	0.422	ug/L		03/24/25 12:30	03/26/25 00:56	1
Selenium	ND		5.00	2.29	ug/L		03/24/25 12:30	03/26/25 00:56	1
Silver	ND		1.00	0.167	ug/L		03/24/25 12:30	03/26/25 00:56	1
Thallium	ND		1.00	0.190	ug/L		03/24/25 12:30	03/26/25 00:56	1
Vanadium	ND		5.00	1.22	ug/L		03/24/25 12:30	03/26/25 00:56	1
Zinc	21.1		10.0	8.91	ug/L		03/24/25 12:30	03/26/25 00:56	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		03/27/25 19:04	03/27/25 22:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	0.0673		0.0500	0.0200	mg/L			03/21/25 11:22	1
Nitrate Nitrite as N (EPA 353.2)	0.145		0.100	0.0410	mg/L			03/24/25 10:58	1
Nitrite as N (EPA 353.2)	0.0168	J	0.100	0.0168	mg/L			03/20/25 16:46	1
Nitrate as N (SM Nitrate by calc)	0.128		0.100	0.0250	mg/L			03/26/25 16:31	1

Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SW-3
Date Collected: 03/19/25 11:15
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-3
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			04/01/25 17:49	1
Benzene	ND		1.00	0.500	ug/L			04/01/25 17:49	1
Bromobenzene	ND		1.00	0.540	ug/L			04/01/25 17:49	1
Bromoform	ND		5.00	0.250	ug/L			04/01/25 17:49	1
Bromomethane	ND		1.00	0.980	ug/L			04/01/25 17:49	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			04/01/25 17:49	1
Carbon disulfide	ND		1.00	0.500	ug/L			04/01/25 17:49	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			04/01/25 17:49	1
Chlorobenzene	ND		1.00	0.420	ug/L			04/01/25 17:49	1
Chlorobromomethane	ND		1.00	0.520	ug/L			04/01/25 17:49	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			04/01/25 17:49	1
Chloroethane	ND		1.00	0.760	ug/L			04/01/25 17:49	1
Chloroform	ND		1.00	0.900	ug/L			04/01/25 17:49	1
Chloromethane	ND		1.00	0.400	ug/L			04/01/25 17:49	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			04/01/25 17:49	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			04/01/25 17:49	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			04/01/25 17:49	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			04/01/25 17:49	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			04/01/25 17:49	1
Dibromomethane	ND		5.00	0.220	ug/L			04/01/25 17:49	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			04/01/25 17:49	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			04/01/25 17:49	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			04/01/25 17:49	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			04/01/25 17:49	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			04/01/25 17:49	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			04/01/25 17:49	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			04/01/25 17:49	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			04/01/25 17:49	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			04/01/25 17:49	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			04/01/25 17:49	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			04/01/25 17:49	1
Ethyl acetate	ND		10.0	6.14	ug/L			04/01/25 17:49	1
Ethylbenzene	ND		1.00	0.500	ug/L			04/01/25 17:49	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			04/01/25 17:49	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			04/01/25 17:49	1
Hexane	ND		1.00	0.960	ug/L			04/01/25 17:49	1
2-Hexanone	ND		25.0	4.26	ug/L			04/01/25 17:49	1
Iodomethane	ND		1.00	0.900	ug/L			04/01/25 17:49	1
Isopropylbenzene	ND		1.00	0.530	ug/L			04/01/25 17:49	1
Isopropyl ether	ND		1.00	0.740	ug/L			04/01/25 17:49	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			04/01/25 17:49	1
Methylene Chloride	ND		5.00	3.00	ug/L			04/01/25 17:49	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			04/01/25 17:49	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			04/01/25 17:49	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			04/01/25 17:49	1
Naphthalene	ND		5.00	3.00	ug/L			04/01/25 17:49	1
n-Butylbenzene	ND		1.00	0.760	ug/L			04/01/25 17:49	1
n-Heptane	ND		1.00	0.210	ug/L			04/01/25 17:49	1
N-Propylbenzene	ND		1.00	0.690	ug/L			04/01/25 17:49	1

Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SW-3
Date Collected: 03/19/25 11:15
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-3
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			04/01/25 17:49	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			04/01/25 17:49	1
Styrene	ND		1.00	1.00	ug/L			04/01/25 17:49	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			04/01/25 17:49	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			04/01/25 17:49	1
1,1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			04/01/25 17:49	1
Tetrachloroethene	ND		1.00	0.330	ug/L			04/01/25 17:49	1
Toluene	ND		1.00	0.900	ug/L			04/01/25 17:49	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			04/01/25 17:49	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			04/01/25 17:49	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			04/01/25 17:49	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			04/01/25 17:49	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			04/01/25 17:49	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			04/01/25 17:49	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			04/01/25 17:49	1
Trichloroethene	ND		1.00	0.150	ug/L			04/01/25 17:49	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			04/01/25 17:49	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			04/01/25 17:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			04/01/25 17:49	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			04/01/25 17:49	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			04/01/25 17:49	1
Vinyl acetate	ND		25.0	0.930	ug/L			04/01/25 17:49	1
Vinyl chloride	ND		1.00	0.500	ug/L			04/01/25 17:49	1
Xylenes, Total	ND		10.0	6.00	ug/L			04/01/25 17:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	106		56 - 136		04/01/25 17:49	1
Dibromofluoromethane	92		79 - 130		04/01/25 17:49	1
1,2-Dichloroethane-d4 (Surr)	90		59 - 146		04/01/25 17:49	1
Toluene-d8 (Surr)	102		64 - 132		04/01/25 17:49	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		03/26/25 16:26	03/31/25 18:38	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	31		10 - 140	03/26/25 16:26	03/31/25 18:38	1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.39	3.38	ug/L		03/25/25 12:15	03/27/25 21:10	1
2,4,5-Trichlorophenol	ND		9.39	3.76	ug/L		03/25/25 12:15	03/27/25 21:10	1
2,4,6-Trichlorophenol	ND		9.39	3.29	ug/L		03/25/25 12:15	03/27/25 21:10	1
2,4-Dichlorophenol	ND		9.39	4.04	ug/L		03/25/25 12:15	03/27/25 21:10	1
2,4-Dimethylphenol	ND		9.39	4.88	ug/L		03/25/25 12:15	03/27/25 21:10	1
2,4-Dinitrophenol	ND		28.2	4.32	ug/L		03/25/25 12:15	03/27/25 21:10	1
2,4-Dinitrotoluene	ND		9.39	4.79	ug/L		03/25/25 12:15	03/27/25 21:10	1
2-Chlorophenol	ND		9.39	3.85	ug/L		03/25/25 12:15	03/27/25 21:10	1
2-Chloronaphthalene	ND		9.39	3.57	ug/L		03/25/25 12:15	03/27/25 21:10	1
2-Methylnaphthalene	ND		9.39	4.32	ug/L		03/25/25 12:15	03/27/25 21:10	1
2-Methylphenol	ND		9.39	3.01	ug/L		03/25/25 12:15	03/27/25 21:10	1

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Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SW-3
Date Collected: 03/19/25 11:15
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		9.39	4.70	ug/L		03/25/25 12:15	03/27/25 21:10	1
2-Nitrophenol	ND		9.39	4.32	ug/L		03/25/25 12:15	03/27/25 21:10	1
3 & 4 Methylphenol	ND		18.8	4.32	ug/L		03/25/25 12:15	03/27/25 21:10	1
3,3'-Dichlorobenzidine	ND	+	10.3	10.3	ug/L		03/25/25 12:15	03/27/25 21:10	1
3-Nitroaniline	ND		9.39	4.41	ug/L		03/25/25 12:15	03/27/25 21:10	1
4,6-Dinitro-2-methylphenol	ND		9.39	9.39	ug/L		03/25/25 12:15	03/27/25 21:10	1
4-Bromophenyl phenyl ether	ND		9.39	8.08	ug/L		03/25/25 12:15	03/27/25 21:10	1
4-Chloro-3-methylphenol	ND		9.39	4.98	ug/L		03/25/25 12:15	03/27/25 21:10	1
4-Chloroaniline	ND		9.39	4.41	ug/L		03/25/25 12:15	03/27/25 21:10	1
4-Chlorophenyl phenyl ether	ND		9.39	3.47	ug/L		03/25/25 12:15	03/27/25 21:10	1
4-Nitroaniline	ND		9.39	3.85	ug/L		03/25/25 12:15	03/27/25 21:10	1
Acenaphthene	ND		9.39	4.13	ug/L		03/25/25 12:15	03/27/25 21:10	1
Acenaphthylene	ND		9.39	3.85	ug/L		03/25/25 12:15	03/27/25 21:10	1
Acetophenone	ND		9.39	4.79	ug/L		03/25/25 12:15	03/27/25 21:10	1
Anthracene	ND		9.39	3.66	ug/L		03/25/25 12:15	03/27/25 21:10	1
Benzo[a]anthracene	ND		9.39	6.20	ug/L		03/25/25 12:15	03/27/25 21:10	1
Benzo[a]pyrene	ND		9.39	2.72	ug/L		03/25/25 12:15	03/27/25 21:10	1
Benzo[b]fluoranthene	ND		9.39	4.88	ug/L		03/25/25 12:15	03/27/25 21:10	1
Benzo[g,h,i]perylene	ND		9.39	2.91	ug/L		03/25/25 12:15	03/27/25 21:10	1
Benzo[k]fluoranthene	ND		9.39	3.10	ug/L		03/25/25 12:15	03/27/25 21:10	1
Bis(2-chloroethoxy)methane	ND		9.39	4.32	ug/L		03/25/25 12:15	03/27/25 21:10	1
Bis(2-chloroethyl)ether	ND		9.39	3.66	ug/L		03/25/25 12:15	03/27/25 21:10	1
Bis(2-ethylhexyl) phthalate	ND		9.39	8.36	ug/L		03/25/25 12:15	03/27/25 21:10	1
Chrysene	ND		9.39	6.01	ug/L		03/25/25 12:15	03/27/25 21:10	1
Dibenz(a,h)anthracene	ND		9.39	2.54	ug/L		03/25/25 12:15	03/27/25 21:10	1
Dibenzofuran	ND		9.39	3.76	ug/L		03/25/25 12:15	03/27/25 21:10	1
Di-n-butyl phthalate	ND		9.39	4.32	ug/L		03/25/25 12:15	03/27/25 21:10	1
Diethyl phthalate	ND		9.39	4.13	ug/L		03/25/25 12:15	03/27/25 21:10	1
Dimethyl phthalate	ND		9.39	3.94	ug/L		03/25/25 12:15	03/27/25 21:10	1
Di-n-octyl phthalate	ND		9.39	5.63	ug/L		03/25/25 12:15	03/27/25 21:10	1
Fluoranthene	ND		9.39	3.85	ug/L		03/25/25 12:15	03/27/25 21:10	1
Fluorene	ND		9.39	4.41	ug/L		03/25/25 12:15	03/27/25 21:10	1
Hexachlorobenzene	ND		9.39	9.11	ug/L		03/25/25 12:15	03/27/25 21:10	1
Hexachlorobutadiene	ND		9.39	3.47	ug/L		03/25/25 12:15	03/27/25 21:10	1
Hexachlorocyclopentadiene	ND		18.8	4.23	ug/L		03/25/25 12:15	03/27/25 21:10	1
Hexachloroethane	ND		9.39	4.88	ug/L		03/25/25 12:15	03/27/25 21:10	1
Indeno[1,2,3-cd]pyrene	ND		9.39	2.72	ug/L		03/25/25 12:15	03/27/25 21:10	1
Isophorone	ND		9.39	4.88	ug/L		03/25/25 12:15	03/27/25 21:10	1
Naphthalene	ND		9.39	3.76	ug/L		03/25/25 12:15	03/27/25 21:10	1
Nitrobenzene	ND		9.39	4.41	ug/L		03/25/25 12:15	03/27/25 21:10	1
N-Nitrosodiphenylamine	ND		9.39	3.47	ug/L		03/25/25 12:15	03/27/25 21:10	1
N-Nitrosodi-n-propylamine	ND		9.39	2.35	ug/L		03/25/25 12:15	03/27/25 21:10	1
Pentachlorophenol	ND		18.8	11.2	ug/L		03/25/25 12:15	03/27/25 21:10	1
Phenanthrene	ND		9.39	2.63	ug/L		03/25/25 12:15	03/27/25 21:10	1
Phenol	ND		9.39	3.94	ug/L		03/25/25 12:15	03/27/25 21:10	1
Pyrene	ND		9.39	3.66	ug/L		03/25/25 12:15	03/27/25 21:10	1
Butyl benzyl phthalate	ND		9.39	5.45	ug/L		03/25/25 12:15	03/27/25 21:10	1
bis (2-chloroisopropyl) ether	ND		9.39	1.69	ug/L		03/25/25 12:15	03/27/25 21:10	1
Carbazole	ND		9.39	4.70	ug/L		03/25/25 12:15	03/27/25 21:10	1

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Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SW-3
Date Collected: 03/19/25 11:15
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		9.39	3.66	ug/L		03/25/25 12:15	03/27/25 21:10	1
4-Nitrophenol	ND		9.39	3.10	ug/L		03/25/25 12:15	03/27/25 21:10	1
Atrazine	ND		9.39	4.70	ug/L		03/25/25 12:15	03/27/25 21:10	1
Benzaldehyde	ND		9.39	2.16	ug/L		03/25/25 12:15	03/27/25 21:10	1
Caprolactam	ND		9.39	2.25	ug/L		03/25/25 12:15	03/27/25 21:10	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	77		10 - 150				03/25/25 12:15	03/27/25 21:10	1
2-Fluorobiphenyl (Surr)	68		21 - 114				03/25/25 12:15	03/27/25 21:10	1
2-Fluorophenol (Surr)	30		10 - 105				03/25/25 12:15	03/27/25 21:10	1
Terphenyl-d14 (Surr)	84		13 - 150				03/25/25 12:15	03/27/25 21:10	1
Phenol-d5 (Surr)	21		10 - 129				03/25/25 12:15	03/27/25 21:10	1
Nitrobenzene-d5 (Surr)	56		16 - 127				03/25/25 12:15	03/27/25 21:10	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	18.3		1.00	0.390	mg/L			03/22/25 18:01	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		03/24/25 12:30	03/26/25 00:58	1
Arsenic	ND		5.00	1.32	ug/L		03/24/25 12:30	03/26/25 00:58	1
Barium	80.2		10.0	0.410	ug/L		03/24/25 12:30	03/26/25 00:58	1
Beryllium	ND		1.00	0.147	ug/L		03/24/25 12:30	03/26/25 00:58	1
Cadmium	ND		0.700	0.237	ug/L		03/24/25 12:30	03/26/25 00:58	1
Chromium	ND		5.00	3.69	ug/L		03/24/25 12:30	03/26/25 00:58	1
Cobalt	0.635	J	5.00	0.411	ug/L		03/24/25 12:30	03/26/25 00:58	1
Copper	5.56		2.00	0.642	ug/L		03/24/25 12:30	03/26/25 00:58	1
Lead	0.924	J	1.00	0.864	ug/L		03/24/25 12:30	03/26/25 00:58	1
Manganese	277		5.00	1.29	ug/L		03/24/25 12:30	03/31/25 15:01	1
Nickel	2.73	J	5.00	0.422	ug/L		03/24/25 12:30	03/26/25 00:58	1
Selenium	ND		5.00	2.29	ug/L		03/24/25 12:30	03/26/25 00:58	1
Silver	ND		1.00	0.167	ug/L		03/24/25 12:30	03/26/25 00:58	1
Thallium	ND		1.00	0.190	ug/L		03/24/25 12:30	03/26/25 00:58	1
Vanadium	ND		5.00	1.22	ug/L		03/24/25 12:30	03/26/25 00:58	1
Zinc	20.3		10.0	8.91	ug/L		03/24/25 12:30	03/26/25 00:58	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		03/27/25 19:04	03/27/25 22:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	0.0499	J	0.0500	0.0200	mg/L			03/21/25 11:24	1
Nitrate Nitrite as N (EPA 353.2)	0.142		0.100	0.0410	mg/L			03/24/25 11:00	1
Nitrite as N (EPA 353.2)	ND		0.100	0.0168	mg/L			03/20/25 16:47	1
Nitrate as N (SM Nitrate by calc)	0.142		0.100	0.0250	mg/L			03/26/25 16:31	1

Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SW-4
Date Collected: 03/19/25 11:00
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-4
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			04/01/25 18:14	1
Benzene	ND		1.00	0.500	ug/L			04/01/25 18:14	1
Bromobenzene	ND		1.00	0.540	ug/L			04/01/25 18:14	1
Bromoform	ND		5.00	0.250	ug/L			04/01/25 18:14	1
Bromomethane	ND		1.00	0.980	ug/L			04/01/25 18:14	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			04/01/25 18:14	1
Carbon disulfide	ND		1.00	0.500	ug/L			04/01/25 18:14	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			04/01/25 18:14	1
Chlorobenzene	ND		1.00	0.420	ug/L			04/01/25 18:14	1
Chlorobromomethane	ND		1.00	0.520	ug/L			04/01/25 18:14	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			04/01/25 18:14	1
Chloroethane	ND		1.00	0.760	ug/L			04/01/25 18:14	1
Chloroform	ND		1.00	0.900	ug/L			04/01/25 18:14	1
Chloromethane	ND		1.00	0.400	ug/L			04/01/25 18:14	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			04/01/25 18:14	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			04/01/25 18:14	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			04/01/25 18:14	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			04/01/25 18:14	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			04/01/25 18:14	1
Dibromomethane	ND		5.00	0.220	ug/L			04/01/25 18:14	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			04/01/25 18:14	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			04/01/25 18:14	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			04/01/25 18:14	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			04/01/25 18:14	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			04/01/25 18:14	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			04/01/25 18:14	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			04/01/25 18:14	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			04/01/25 18:14	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			04/01/25 18:14	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			04/01/25 18:14	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			04/01/25 18:14	1
Ethyl acetate	ND		10.0	6.14	ug/L			04/01/25 18:14	1
Ethylbenzene	ND		1.00	0.500	ug/L			04/01/25 18:14	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			04/01/25 18:14	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			04/01/25 18:14	1
Hexane	ND		1.00	0.960	ug/L			04/01/25 18:14	1
2-Hexanone	ND		25.0	4.26	ug/L			04/01/25 18:14	1
Iodomethane	ND		1.00	0.900	ug/L			04/01/25 18:14	1
Isopropylbenzene	ND		1.00	0.530	ug/L			04/01/25 18:14	1
Isopropyl ether	ND		1.00	0.740	ug/L			04/01/25 18:14	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			04/01/25 18:14	1
Methylene Chloride	ND		5.00	3.00	ug/L			04/01/25 18:14	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			04/01/25 18:14	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			04/01/25 18:14	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			04/01/25 18:14	1
Naphthalene	ND		5.00	3.00	ug/L			04/01/25 18:14	1
n-Butylbenzene	ND		1.00	0.760	ug/L			04/01/25 18:14	1
n-Heptane	ND		1.00	0.210	ug/L			04/01/25 18:14	1
N-Propylbenzene	ND		1.00	0.690	ug/L			04/01/25 18:14	1

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Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SW-4
Date Collected: 03/19/25 11:00
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-4
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			04/01/25 18:14	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			04/01/25 18:14	1
Styrene	ND		1.00	1.00	ug/L			04/01/25 18:14	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			04/01/25 18:14	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			04/01/25 18:14	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			04/01/25 18:14	1
Tetrachloroethene	ND		1.00	0.330	ug/L			04/01/25 18:14	1
Toluene	ND		1.00	0.900	ug/L			04/01/25 18:14	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			04/01/25 18:14	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			04/01/25 18:14	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			04/01/25 18:14	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			04/01/25 18:14	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			04/01/25 18:14	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			04/01/25 18:14	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			04/01/25 18:14	1
Trichloroethene	ND		1.00	0.150	ug/L			04/01/25 18:14	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			04/01/25 18:14	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			04/01/25 18:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			04/01/25 18:14	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			04/01/25 18:14	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			04/01/25 18:14	1
Vinyl acetate	ND		25.0	0.930	ug/L			04/01/25 18:14	1
Vinyl chloride	ND		1.00	0.500	ug/L			04/01/25 18:14	1
Xylenes, Total	ND		10.0	6.00	ug/L			04/01/25 18:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	107		56 - 136		04/01/25 18:14	1
Dibromofluoromethane	93		79 - 130		04/01/25 18:14	1
1,2-Dichloroethane-d4 (Surr)	93		59 - 146		04/01/25 18:14	1
Toluene-d8 (Surr)	102		64 - 132		04/01/25 18:14	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		0.296	0.296	ug/L		03/26/25 16:26	03/31/25 19:00	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	23		10 - 140	03/26/25 16:26	03/31/25 19:00	1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.96	3.59	ug/L		03/25/25 12:15	03/27/25 21:35	1
2,4,5-Trichlorophenol	ND		9.96	3.98	ug/L		03/25/25 12:15	03/27/25 21:35	1
2,4,6-Trichlorophenol	ND		9.96	3.49	ug/L		03/25/25 12:15	03/27/25 21:35	1
2,4-Dichlorophenol	ND		9.96	4.28	ug/L		03/25/25 12:15	03/27/25 21:35	1
2,4-Dimethylphenol	ND		9.96	5.18	ug/L		03/25/25 12:15	03/27/25 21:35	1
2,4-Dinitrophenol	ND		29.9	4.58	ug/L		03/25/25 12:15	03/27/25 21:35	1
2,4-Dinitrotoluene	ND		9.96	5.08	ug/L		03/25/25 12:15	03/27/25 21:35	1
2-Chlorophenol	ND		9.96	4.08	ug/L		03/25/25 12:15	03/27/25 21:35	1
2-Chloronaphthalene	ND		9.96	3.78	ug/L		03/25/25 12:15	03/27/25 21:35	1
2-Methylnaphthalene	ND		9.96	4.58	ug/L		03/25/25 12:15	03/27/25 21:35	1
2-Methylphenol	ND		9.96	3.19	ug/L		03/25/25 12:15	03/27/25 21:35	1

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Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SW-4
Date Collected: 03/19/25 11:00
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		9.96	4.98	ug/L		03/25/25 12:15	03/27/25 21:35	1
2-Nitrophenol	ND		9.96	4.58	ug/L		03/25/25 12:15	03/27/25 21:35	1
3 & 4 Methylphenol	ND		19.9	4.58	ug/L		03/25/25 12:15	03/27/25 21:35	1
3,3'-Dichlorobenzidine	ND	+	11.0	11.0	ug/L		03/25/25 12:15	03/27/25 21:35	1
3-Nitroaniline	ND		9.96	4.68	ug/L		03/25/25 12:15	03/27/25 21:35	1
4,6-Dinitro-2-methylphenol	ND		9.96	9.96	ug/L		03/25/25 12:15	03/27/25 21:35	1
4-Bromophenyl phenyl ether	ND		9.96	8.57	ug/L		03/25/25 12:15	03/27/25 21:35	1
4-Chloro-3-methylphenol	ND		9.96	5.28	ug/L		03/25/25 12:15	03/27/25 21:35	1
4-Chloroaniline	ND		9.96	4.68	ug/L		03/25/25 12:15	03/27/25 21:35	1
4-Chlorophenyl phenyl ether	ND		9.96	3.69	ug/L		03/25/25 12:15	03/27/25 21:35	1
4-Nitroaniline	ND		9.96	4.08	ug/L		03/25/25 12:15	03/27/25 21:35	1
Acenaphthene	ND		9.96	4.38	ug/L		03/25/25 12:15	03/27/25 21:35	1
Acenaphthylene	ND		9.96	4.08	ug/L		03/25/25 12:15	03/27/25 21:35	1
Acetophenone	ND		9.96	5.08	ug/L		03/25/25 12:15	03/27/25 21:35	1
Anthracene	ND		9.96	3.88	ug/L		03/25/25 12:15	03/27/25 21:35	1
Benzo[a]anthracene	ND		9.96	6.57	ug/L		03/25/25 12:15	03/27/25 21:35	1
Benzo[a]pyrene	ND		9.96	2.89	ug/L		03/25/25 12:15	03/27/25 21:35	1
Benzo[b]fluoranthene	ND		9.96	5.18	ug/L		03/25/25 12:15	03/27/25 21:35	1
Benzo[g,h,i]perylene	ND		9.96	3.09	ug/L		03/25/25 12:15	03/27/25 21:35	1
Benzo[k]fluoranthene	ND		9.96	3.29	ug/L		03/25/25 12:15	03/27/25 21:35	1
Bis(2-chloroethoxy)methane	ND		9.96	4.58	ug/L		03/25/25 12:15	03/27/25 21:35	1
Bis(2-chloroethyl)ether	ND		9.96	3.88	ug/L		03/25/25 12:15	03/27/25 21:35	1
Bis(2-ethylhexyl) phthalate	ND		9.96	8.86	ug/L		03/25/25 12:15	03/27/25 21:35	1
Chrysene	ND		9.96	6.37	ug/L		03/25/25 12:15	03/27/25 21:35	1
Dibenz(a,h)anthracene	ND		9.96	2.69	ug/L		03/25/25 12:15	03/27/25 21:35	1
Dibenzofuran	ND		9.96	3.98	ug/L		03/25/25 12:15	03/27/25 21:35	1
Di-n-butyl phthalate	ND		9.96	4.58	ug/L		03/25/25 12:15	03/27/25 21:35	1
Diethyl phthalate	ND		9.96	4.38	ug/L		03/25/25 12:15	03/27/25 21:35	1
Dimethyl phthalate	ND		9.96	4.18	ug/L		03/25/25 12:15	03/27/25 21:35	1
Di-n-octyl phthalate	ND		9.96	5.98	ug/L		03/25/25 12:15	03/27/25 21:35	1
Fluoranthene	ND		9.96	4.08	ug/L		03/25/25 12:15	03/27/25 21:35	1
Fluorene	ND		9.96	4.68	ug/L		03/25/25 12:15	03/27/25 21:35	1
Hexachlorobenzene	ND		9.96	9.66	ug/L		03/25/25 12:15	03/27/25 21:35	1
Hexachlorobutadiene	ND		9.96	3.69	ug/L		03/25/25 12:15	03/27/25 21:35	1
Hexachlorocyclopentadiene	ND		19.9	4.48	ug/L		03/25/25 12:15	03/27/25 21:35	1
Hexachloroethane	ND		9.96	5.18	ug/L		03/25/25 12:15	03/27/25 21:35	1
Indeno[1,2,3-cd]pyrene	ND		9.96	2.89	ug/L		03/25/25 12:15	03/27/25 21:35	1
Isophorone	ND		9.96	5.18	ug/L		03/25/25 12:15	03/27/25 21:35	1
Naphthalene	ND		9.96	3.98	ug/L		03/25/25 12:15	03/27/25 21:35	1
Nitrobenzene	ND		9.96	4.68	ug/L		03/25/25 12:15	03/27/25 21:35	1
N-Nitrosodiphenylamine	ND		9.96	3.69	ug/L		03/25/25 12:15	03/27/25 21:35	1
N-Nitrosodi-n-propylamine	ND		9.96	2.49	ug/L		03/25/25 12:15	03/27/25 21:35	1
Pentachlorophenol	ND		19.9	11.9	ug/L		03/25/25 12:15	03/27/25 21:35	1
Phenanthrene	ND		9.96	2.79	ug/L		03/25/25 12:15	03/27/25 21:35	1
Phenol	ND		9.96	4.18	ug/L		03/25/25 12:15	03/27/25 21:35	1
Pyrene	ND		9.96	3.88	ug/L		03/25/25 12:15	03/27/25 21:35	1
Butyl benzyl phthalate	ND		9.96	5.78	ug/L		03/25/25 12:15	03/27/25 21:35	1
bis (2-chloroisopropyl) ether	ND		9.96	1.79	ug/L		03/25/25 12:15	03/27/25 21:35	1
Carbazole	ND		9.96	4.98	ug/L		03/25/25 12:15	03/27/25 21:35	1

Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SW-4
Date Collected: 03/19/25 11:00
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		9.96	3.88	ug/L		03/25/25 12:15	03/27/25 21:35	1
4-Nitrophenol	ND		9.96	3.29	ug/L		03/25/25 12:15	03/27/25 21:35	1
Atrazine	ND		9.96	4.98	ug/L		03/25/25 12:15	03/27/25 21:35	1
Benzaldehyde	ND		9.96	2.29	ug/L		03/25/25 12:15	03/27/25 21:35	1
Caprolactam	ND		9.96	2.39	ug/L		03/25/25 12:15	03/27/25 21:35	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	78		10 - 150				03/25/25 12:15	03/27/25 21:35	1
2-Fluorobiphenyl (Surr)	71		21 - 114				03/25/25 12:15	03/27/25 21:35	1
2-Fluorophenol (Surr)	38		10 - 105				03/25/25 12:15	03/27/25 21:35	1
Terphenyl-d14 (Surr)	87		13 - 150				03/25/25 12:15	03/27/25 21:35	1
Phenol-d5 (Surr)	28		10 - 129				03/25/25 12:15	03/27/25 21:35	1
Nitrobenzene-d5 (Surr)	59		16 - 127				03/25/25 12:15	03/27/25 21:35	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	18.8		1.00	0.390	mg/L			03/22/25 18:09	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		03/24/25 12:30	03/26/25 01:01	1
Arsenic	ND		5.00	1.32	ug/L		03/24/25 12:30	03/26/25 01:01	1
Barium	78.3		10.0	0.410	ug/L		03/24/25 12:30	03/26/25 01:01	1
Beryllium	ND		1.00	0.147	ug/L		03/24/25 12:30	03/26/25 01:01	1
Cadmium	0.300	J	0.700	0.237	ug/L		03/24/25 12:30	03/26/25 01:01	1
Chromium	ND		5.00	3.69	ug/L		03/24/25 12:30	03/26/25 01:01	1
Cobalt	0.614	J	5.00	0.411	ug/L		03/24/25 12:30	03/26/25 01:01	1
Copper	5.00		2.00	0.642	ug/L		03/24/25 12:30	03/26/25 01:01	1
Lead	ND		1.00	0.864	ug/L		03/24/25 12:30	03/26/25 01:01	1
Manganese	253		5.00	1.29	ug/L		03/24/25 12:30	03/31/25 15:03	1
Nickel	2.56	J	5.00	0.422	ug/L		03/24/25 12:30	03/26/25 01:01	1
Selenium	ND		5.00	2.29	ug/L		03/24/25 12:30	03/26/25 01:01	1
Silver	ND		1.00	0.167	ug/L		03/24/25 12:30	03/26/25 01:01	1
Thallium	ND		1.00	0.190	ug/L		03/24/25 12:30	03/26/25 01:01	1
Vanadium	ND		5.00	1.22	ug/L		03/24/25 12:30	03/26/25 01:01	1
Zinc	18.3		10.0	8.91	ug/L		03/24/25 12:30	03/26/25 01:01	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		03/27/25 19:04	03/27/25 22:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	0.0468	J	0.0500	0.0200	mg/L			03/21/25 11:25	1
Nitrate Nitrite as N (EPA 353.2)	0.131		0.100	0.0410	mg/L			03/24/25 11:06	1
Nitrite as N (EPA 353.2)	ND		0.100	0.0168	mg/L			03/20/25 16:50	1
Nitrate as N (SM Nitrate by calc)	0.131		0.100	0.0250	mg/L			03/26/25 16:31	1

Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SW-5
Date Collected: 03/19/25 10:00
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-5
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			04/02/25 13:02	1
Benzene	ND		1.00	0.500	ug/L			04/02/25 13:02	1
Bromobenzene	ND		1.00	0.540	ug/L			04/02/25 13:02	1
Bromoform	ND		5.00	0.250	ug/L			04/02/25 13:02	1
Bromomethane	ND		1.00	0.980	ug/L			04/02/25 13:02	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			04/02/25 13:02	1
Carbon disulfide	ND		1.00	0.500	ug/L			04/02/25 13:02	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			04/02/25 13:02	1
Chlorobenzene	ND		1.00	0.420	ug/L			04/02/25 13:02	1
Chlorobromomethane	ND		1.00	0.520	ug/L			04/02/25 13:02	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			04/02/25 13:02	1
Chloroethane	ND		1.00	0.760	ug/L			04/02/25 13:02	1
Chloroform	ND		1.00	0.900	ug/L			04/02/25 13:02	1
Chloromethane	ND		1.00	0.400	ug/L			04/02/25 13:02	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			04/02/25 13:02	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			04/02/25 13:02	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			04/02/25 13:02	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			04/02/25 13:02	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			04/02/25 13:02	1
Dibromomethane	ND		5.00	0.220	ug/L			04/02/25 13:02	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			04/02/25 13:02	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			04/02/25 13:02	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			04/02/25 13:02	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			04/02/25 13:02	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			04/02/25 13:02	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			04/02/25 13:02	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			04/02/25 13:02	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			04/02/25 13:02	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			04/02/25 13:02	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			04/02/25 13:02	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			04/02/25 13:02	1
Ethyl acetate	ND		10.0	6.14	ug/L			04/02/25 13:02	1
Ethylbenzene	ND		1.00	0.500	ug/L			04/02/25 13:02	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			04/02/25 13:02	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			04/02/25 13:02	1
Hexane	ND		1.00	0.960	ug/L			04/02/25 13:02	1
2-Hexanone	ND		25.0	4.26	ug/L			04/02/25 13:02	1
Iodomethane	ND		1.00	0.900	ug/L			04/02/25 13:02	1
Isopropylbenzene	ND		1.00	0.530	ug/L			04/02/25 13:02	1
Isopropyl ether	ND	*+	1.00	0.740	ug/L			04/02/25 13:02	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			04/02/25 13:02	1
Methylene Chloride	ND		5.00	3.00	ug/L			04/02/25 13:02	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			04/02/25 13:02	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			04/02/25 13:02	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			04/02/25 13:02	1
Naphthalene	ND		5.00	3.00	ug/L			04/02/25 13:02	1
n-Butylbenzene	ND		1.00	0.760	ug/L			04/02/25 13:02	1
n-Heptane	ND		1.00	0.210	ug/L			04/02/25 13:02	1
N-Propylbenzene	ND		1.00	0.690	ug/L			04/02/25 13:02	1

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Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SW-5
Date Collected: 03/19/25 10:00
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-5
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			04/02/25 13:02	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			04/02/25 13:02	1
Styrene	ND		1.00	1.00	ug/L			04/02/25 13:02	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			04/02/25 13:02	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			04/02/25 13:02	1
1,1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			04/02/25 13:02	1
Tetrachloroethene	ND		1.00	0.330	ug/L			04/02/25 13:02	1
Toluene	ND		1.00	0.900	ug/L			04/02/25 13:02	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			04/02/25 13:02	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			04/02/25 13:02	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			04/02/25 13:02	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			04/02/25 13:02	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			04/02/25 13:02	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			04/02/25 13:02	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			04/02/25 13:02	1
Trichloroethene	ND		1.00	0.150	ug/L			04/02/25 13:02	1
Trichlorofluoromethane	ND	F2	1.00	0.250	ug/L			04/02/25 13:02	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			04/02/25 13:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			04/02/25 13:02	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			04/02/25 13:02	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			04/02/25 13:02	1
Vinyl acetate	ND		25.0	0.930	ug/L			04/02/25 13:02	1
Vinyl chloride	ND		1.00	0.500	ug/L			04/02/25 13:02	1
Xylenes, Total	ND		10.0	6.00	ug/L			04/02/25 13:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	106		56 - 136		04/02/25 13:02	1
Dibromofluoromethane	95		79 - 130		04/02/25 13:02	1
1,2-Dichloroethane-d4 (Surr)	91		59 - 146		04/02/25 13:02	1
Toluene-d8 (Surr)	97		64 - 132		04/02/25 13:02	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		0.279	0.279	ug/L		03/26/25 16:26	03/31/25 19:21	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	26		10 - 140	03/26/25 16:26	03/31/25 19:21	1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.51	3.42	ug/L		03/25/25 12:15	03/27/25 22:00	1
2,4,5-Trichlorophenol	ND		9.51	3.81	ug/L		03/25/25 12:15	03/27/25 22:00	1
2,4,6-Trichlorophenol	ND		9.51	3.33	ug/L		03/25/25 12:15	03/27/25 22:00	1
2,4-Dichlorophenol	ND		9.51	4.09	ug/L		03/25/25 12:15	03/27/25 22:00	1
2,4-Dimethylphenol	ND		9.51	4.95	ug/L		03/25/25 12:15	03/27/25 22:00	1
2,4-Dinitrophenol	ND		28.5	4.38	ug/L		03/25/25 12:15	03/27/25 22:00	1
2,4-Dinitrotoluene	ND		9.51	4.85	ug/L		03/25/25 12:15	03/27/25 22:00	1
2-Chlorophenol	ND		9.51	3.90	ug/L		03/25/25 12:15	03/27/25 22:00	1
2-Chloronaphthalene	ND		9.51	3.61	ug/L		03/25/25 12:15	03/27/25 22:00	1
2-Methylnaphthalene	ND		9.51	4.38	ug/L		03/25/25 12:15	03/27/25 22:00	1
2-Methylphenol	ND		9.51	3.04	ug/L		03/25/25 12:15	03/27/25 22:00	1

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Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SW-5
Date Collected: 03/19/25 10:00
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-5
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		9.51	4.76	ug/L		03/25/25 12:15	03/27/25 22:00	1
2-Nitrophenol	ND		9.51	4.38	ug/L		03/25/25 12:15	03/27/25 22:00	1
3 & 4 Methylphenol	ND		19.0	4.38	ug/L		03/25/25 12:15	03/27/25 22:00	1
3,3'-Dichlorobenzidine	ND	+	10.5	10.5	ug/L		03/25/25 12:15	03/27/25 22:00	1
3-Nitroaniline	ND		9.51	4.47	ug/L		03/25/25 12:15	03/27/25 22:00	1
4,6-Dinitro-2-methylphenol	ND		9.51	9.51	ug/L		03/25/25 12:15	03/27/25 22:00	1
4-Bromophenyl phenyl ether	ND		9.51	8.18	ug/L		03/25/25 12:15	03/27/25 22:00	1
4-Chloro-3-methylphenol	ND		9.51	5.04	ug/L		03/25/25 12:15	03/27/25 22:00	1
4-Chloroaniline	ND		9.51	4.47	ug/L		03/25/25 12:15	03/27/25 22:00	1
4-Chlorophenyl phenyl ether	ND		9.51	3.52	ug/L		03/25/25 12:15	03/27/25 22:00	1
4-Nitroaniline	ND		9.51	3.90	ug/L		03/25/25 12:15	03/27/25 22:00	1
Acenaphthene	ND		9.51	4.19	ug/L		03/25/25 12:15	03/27/25 22:00	1
Acenaphthylene	ND		9.51	3.90	ug/L		03/25/25 12:15	03/27/25 22:00	1
Acetophenone	ND		9.51	4.85	ug/L		03/25/25 12:15	03/27/25 22:00	1
Anthracene	ND		9.51	3.71	ug/L		03/25/25 12:15	03/27/25 22:00	1
Benzo[a]anthracene	ND		9.51	6.28	ug/L		03/25/25 12:15	03/27/25 22:00	1
Benzo[a]pyrene	ND		9.51	2.76	ug/L		03/25/25 12:15	03/27/25 22:00	1
Benzo[b]fluoranthene	ND		9.51	4.95	ug/L		03/25/25 12:15	03/27/25 22:00	1
Benzo[g,h,i]perylene	ND		9.51	2.95	ug/L		03/25/25 12:15	03/27/25 22:00	1
Benzo[k]fluoranthene	ND		9.51	3.14	ug/L		03/25/25 12:15	03/27/25 22:00	1
Bis(2-chloroethoxy)methane	ND		9.51	4.38	ug/L		03/25/25 12:15	03/27/25 22:00	1
Bis(2-chloroethyl)ether	ND		9.51	3.71	ug/L		03/25/25 12:15	03/27/25 22:00	1
Bis(2-ethylhexyl) phthalate	ND		9.51	8.47	ug/L		03/25/25 12:15	03/27/25 22:00	1
Chrysene	ND		9.51	6.09	ug/L		03/25/25 12:15	03/27/25 22:00	1
Dibenz(a,h)anthracene	ND		9.51	2.57	ug/L		03/25/25 12:15	03/27/25 22:00	1
Dibenzofuran	ND		9.51	3.81	ug/L		03/25/25 12:15	03/27/25 22:00	1
Di-n-butyl phthalate	ND		9.51	4.38	ug/L		03/25/25 12:15	03/27/25 22:00	1
Diethyl phthalate	ND		9.51	4.19	ug/L		03/25/25 12:15	03/27/25 22:00	1
Dimethyl phthalate	ND		9.51	4.00	ug/L		03/25/25 12:15	03/27/25 22:00	1
Di-n-octyl phthalate	ND		9.51	5.71	ug/L		03/25/25 12:15	03/27/25 22:00	1
Fluoranthene	ND		9.51	3.90	ug/L		03/25/25 12:15	03/27/25 22:00	1
Fluorene	ND		9.51	4.47	ug/L		03/25/25 12:15	03/27/25 22:00	1
Hexachlorobenzene	ND		9.51	9.23	ug/L		03/25/25 12:15	03/27/25 22:00	1
Hexachlorobutadiene	ND		9.51	3.52	ug/L		03/25/25 12:15	03/27/25 22:00	1
Hexachlorocyclopentadiene	ND		19.0	4.28	ug/L		03/25/25 12:15	03/27/25 22:00	1
Hexachloroethane	ND		9.51	4.95	ug/L		03/25/25 12:15	03/27/25 22:00	1
Indeno[1,2,3-cd]pyrene	ND		9.51	2.76	ug/L		03/25/25 12:15	03/27/25 22:00	1
Isophorone	ND		9.51	4.95	ug/L		03/25/25 12:15	03/27/25 22:00	1
Naphthalene	ND		9.51	3.81	ug/L		03/25/25 12:15	03/27/25 22:00	1
Nitrobenzene	ND		9.51	4.47	ug/L		03/25/25 12:15	03/27/25 22:00	1
N-Nitrosodiphenylamine	ND		9.51	3.52	ug/L		03/25/25 12:15	03/27/25 22:00	1
N-Nitrosodi-n-propylamine	ND		9.51	2.38	ug/L		03/25/25 12:15	03/27/25 22:00	1
Pentachlorophenol	ND		19.0	11.3	ug/L		03/25/25 12:15	03/27/25 22:00	1
Phenanthrene	ND		9.51	2.66	ug/L		03/25/25 12:15	03/27/25 22:00	1
Phenol	ND		9.51	4.00	ug/L		03/25/25 12:15	03/27/25 22:00	1
Pyrene	ND		9.51	3.71	ug/L		03/25/25 12:15	03/27/25 22:00	1
Butyl benzyl phthalate	ND		9.51	5.52	ug/L		03/25/25 12:15	03/27/25 22:00	1
bis (2-chloroisopropyl) ether	ND		9.51	1.71	ug/L		03/25/25 12:15	03/27/25 22:00	1
Carbazole	ND		9.51	4.76	ug/L		03/25/25 12:15	03/27/25 22:00	1

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Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SW-5
Date Collected: 03/19/25 10:00
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-5
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		9.51	3.71	ug/L		03/25/25 12:15	03/27/25 22:00	1
4-Nitrophenol	ND		9.51	3.14	ug/L		03/25/25 12:15	03/27/25 22:00	1
Atrazine	ND		9.51	4.76	ug/L		03/25/25 12:15	03/27/25 22:00	1
Benzaldehyde	ND		9.51	2.19	ug/L		03/25/25 12:15	03/27/25 22:00	1
Caprolactam	ND		9.51	2.28	ug/L		03/25/25 12:15	03/27/25 22:00	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	76		10 - 150				03/25/25 12:15	03/27/25 22:00	1
2-Fluorobiphenyl (Surr)	74		21 - 114				03/25/25 12:15	03/27/25 22:00	1
2-Fluorophenol (Surr)	38		10 - 105				03/25/25 12:15	03/27/25 22:00	1
Terphenyl-d14 (Surr)	84		13 - 150				03/25/25 12:15	03/27/25 22:00	1
Phenol-d5 (Surr)	28		10 - 129				03/25/25 12:15	03/27/25 22:00	1
Nitrobenzene-d5 (Surr)	59		16 - 127				03/25/25 12:15	03/27/25 22:00	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	17.9		1.00	0.390	mg/L			03/22/25 18:35	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		03/24/25 12:30	03/26/25 01:03	1
Arsenic	ND		5.00	1.32	ug/L		03/24/25 12:30	03/26/25 01:03	1
Barium	78.6		10.0	0.410	ug/L		03/24/25 12:30	03/26/25 01:03	1
Beryllium	ND		1.00	0.147	ug/L		03/24/25 12:30	03/26/25 01:03	1
Cadmium	0.303	J	0.700	0.237	ug/L		03/24/25 12:30	03/26/25 01:03	1
Chromium	ND		5.00	3.69	ug/L		03/24/25 12:30	03/26/25 01:03	1
Cobalt	0.640	J	5.00	0.411	ug/L		03/24/25 12:30	03/26/25 01:03	1
Copper	7.97		2.00	0.642	ug/L		03/24/25 12:30	03/26/25 01:03	1
Lead	1.07		1.00	0.864	ug/L		03/24/25 12:30	03/26/25 01:03	1
Manganese	225		5.00	1.29	ug/L		03/24/25 12:30	03/31/25 15:06	1
Nickel	2.46	J	5.00	0.422	ug/L		03/24/25 12:30	03/26/25 01:03	1
Selenium	ND		5.00	2.29	ug/L		03/24/25 12:30	03/26/25 01:03	1
Silver	ND		1.00	0.167	ug/L		03/24/25 12:30	03/26/25 01:03	1
Thallium	ND		1.00	0.190	ug/L		03/24/25 12:30	03/26/25 01:03	1
Vanadium	ND		5.00	1.22	ug/L		03/24/25 12:30	03/26/25 01:03	1
Zinc	21.0		10.0	8.91	ug/L		03/24/25 12:30	03/26/25 01:03	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		03/27/25 19:04	03/27/25 22:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	0.0501		0.0500	0.0200	mg/L			03/21/25 11:30	1
Nitrate Nitrite as N (EPA 353.2)	0.104		0.100	0.0410	mg/L			03/24/25 11:08	1
Nitrite as N (EPA 353.2)	ND		0.100	0.0168	mg/L			03/20/25 16:51	1
Nitrate as N (SM Nitrate by calc)	0.104		0.100	0.0250	mg/L			03/26/25 16:31	1

Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SW-6
Date Collected: 03/19/25 09:15
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-6
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			04/02/25 13:26	1
Benzene	ND		1.00	0.500	ug/L			04/02/25 13:26	1
Bromobenzene	ND		1.00	0.540	ug/L			04/02/25 13:26	1
Bromoform	ND		5.00	0.250	ug/L			04/02/25 13:26	1
Bromomethane	ND		1.00	0.980	ug/L			04/02/25 13:26	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			04/02/25 13:26	1
Carbon disulfide	ND		1.00	0.500	ug/L			04/02/25 13:26	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			04/02/25 13:26	1
Chlorobenzene	ND		1.00	0.420	ug/L			04/02/25 13:26	1
Chlorobromomethane	ND		1.00	0.520	ug/L			04/02/25 13:26	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			04/02/25 13:26	1
Chloroethane	ND		1.00	0.760	ug/L			04/02/25 13:26	1
Chloroform	ND		1.00	0.900	ug/L			04/02/25 13:26	1
Chloromethane	ND		1.00	0.400	ug/L			04/02/25 13:26	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			04/02/25 13:26	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			04/02/25 13:26	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			04/02/25 13:26	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			04/02/25 13:26	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			04/02/25 13:26	1
Dibromomethane	ND		5.00	0.220	ug/L			04/02/25 13:26	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			04/02/25 13:26	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			04/02/25 13:26	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			04/02/25 13:26	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			04/02/25 13:26	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			04/02/25 13:26	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			04/02/25 13:26	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			04/02/25 13:26	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			04/02/25 13:26	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			04/02/25 13:26	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			04/02/25 13:26	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			04/02/25 13:26	1
Ethyl acetate	ND		10.0	6.14	ug/L			04/02/25 13:26	1
Ethylbenzene	ND		1.00	0.500	ug/L			04/02/25 13:26	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			04/02/25 13:26	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			04/02/25 13:26	1
Hexane	ND		1.00	0.960	ug/L			04/02/25 13:26	1
2-Hexanone	ND		25.0	4.26	ug/L			04/02/25 13:26	1
Iodomethane	ND		1.00	0.900	ug/L			04/02/25 13:26	1
Isopropylbenzene	ND		1.00	0.530	ug/L			04/02/25 13:26	1
Isopropyl ether	ND	*+	1.00	0.740	ug/L			04/02/25 13:26	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			04/02/25 13:26	1
Methylene Chloride	ND		5.00	3.00	ug/L			04/02/25 13:26	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			04/02/25 13:26	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			04/02/25 13:26	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			04/02/25 13:26	1
Naphthalene	ND		5.00	3.00	ug/L			04/02/25 13:26	1
n-Butylbenzene	ND		1.00	0.760	ug/L			04/02/25 13:26	1
n-Heptane	ND		1.00	0.210	ug/L			04/02/25 13:26	1
N-Propylbenzene	ND		1.00	0.690	ug/L			04/02/25 13:26	1

Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SW-6
Date Collected: 03/19/25 09:15
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-6
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			04/02/25 13:26	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			04/02/25 13:26	1
Styrene	ND		1.00	1.00	ug/L			04/02/25 13:26	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			04/02/25 13:26	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			04/02/25 13:26	1
1,1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			04/02/25 13:26	1
Tetrachloroethene	ND		1.00	0.330	ug/L			04/02/25 13:26	1
Toluene	ND		1.00	0.900	ug/L			04/02/25 13:26	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			04/02/25 13:26	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			04/02/25 13:26	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			04/02/25 13:26	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			04/02/25 13:26	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			04/02/25 13:26	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			04/02/25 13:26	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			04/02/25 13:26	1
Trichloroethene	ND		1.00	0.150	ug/L			04/02/25 13:26	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			04/02/25 13:26	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			04/02/25 13:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			04/02/25 13:26	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			04/02/25 13:26	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			04/02/25 13:26	1
Vinyl acetate	ND		25.0	0.930	ug/L			04/02/25 13:26	1
Vinyl chloride	ND		1.00	0.500	ug/L			04/02/25 13:26	1
Xylenes, Total	ND		10.0	6.00	ug/L			04/02/25 13:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	103		56 - 136		04/02/25 13:26	1
Dibromofluoromethane	96		79 - 130		04/02/25 13:26	1
1,2-Dichloroethane-d4 (Surr)	93		59 - 146		04/02/25 13:26	1
Toluene-d8 (Surr)	100		64 - 132		04/02/25 13:26	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	0.307		0.280	0.280	ug/L		03/26/25 16:26	03/31/25 19:43	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	29		10 - 140	03/26/25 16:26	03/31/25 19:43	1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.63	3.47	ug/L		03/25/25 12:15	03/27/25 22:26	1
2,4,5-Trichlorophenol	ND		9.63	3.85	ug/L		03/25/25 12:15	03/27/25 22:26	1
2,4,6-Trichlorophenol	ND		9.63	3.37	ug/L		03/25/25 12:15	03/27/25 22:26	1
2,4-Dichlorophenol	ND		9.63	4.14	ug/L		03/25/25 12:15	03/27/25 22:26	1
2,4-Dimethylphenol	ND		9.63	5.01	ug/L		03/25/25 12:15	03/27/25 22:26	1
2,4-Dinitrophenol	ND		28.9	4.43	ug/L		03/25/25 12:15	03/27/25 22:26	1
2,4-Dinitrotoluene	ND		9.63	4.91	ug/L		03/25/25 12:15	03/27/25 22:26	1
2-Chlorophenol	ND		9.63	3.95	ug/L		03/25/25 12:15	03/27/25 22:26	1
2-Chloronaphthalene	ND		9.63	3.66	ug/L		03/25/25 12:15	03/27/25 22:26	1
2-Methylnaphthalene	ND		9.63	4.43	ug/L		03/25/25 12:15	03/27/25 22:26	1
2-Methylphenol	ND		9.63	3.08	ug/L		03/25/25 12:15	03/27/25 22:26	1

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Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SW-6

Lab Sample ID: 752-30758-6

Date Collected: 03/19/25 09:15

Matrix: Water

Date Received: 03/20/25 09:08

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		9.63	4.82	ug/L		03/25/25 12:15	03/27/25 22:26	1
2-Nitrophenol	ND		9.63	4.43	ug/L		03/25/25 12:15	03/27/25 22:26	1
3 & 4 Methylphenol	ND		19.3	4.43	ug/L		03/25/25 12:15	03/27/25 22:26	1
3,3'-Dichlorobenzidine	ND	+	10.6	10.6	ug/L		03/25/25 12:15	03/27/25 22:26	1
3-Nitroaniline	ND		9.63	4.53	ug/L		03/25/25 12:15	03/27/25 22:26	1
4,6-Dinitro-2-methylphenol	ND		9.63	9.63	ug/L		03/25/25 12:15	03/27/25 22:26	1
4-Bromophenyl phenyl ether	ND		9.63	8.28	ug/L		03/25/25 12:15	03/27/25 22:26	1
4-Chloro-3-methylphenol	ND		9.63	5.10	ug/L		03/25/25 12:15	03/27/25 22:26	1
4-Chloroaniline	ND		9.63	4.53	ug/L		03/25/25 12:15	03/27/25 22:26	1
4-Chlorophenyl phenyl ether	ND		9.63	3.56	ug/L		03/25/25 12:15	03/27/25 22:26	1
4-Nitroaniline	ND		9.63	3.95	ug/L		03/25/25 12:15	03/27/25 22:26	1
Acenaphthene	ND		9.63	4.24	ug/L		03/25/25 12:15	03/27/25 22:26	1
Acenaphthylene	ND		9.63	3.95	ug/L		03/25/25 12:15	03/27/25 22:26	1
Acetophenone	ND		9.63	4.91	ug/L		03/25/25 12:15	03/27/25 22:26	1
Anthracene	ND		9.63	3.76	ug/L		03/25/25 12:15	03/27/25 22:26	1
Benzo[a]anthracene	ND		9.63	6.36	ug/L		03/25/25 12:15	03/27/25 22:26	1
Benzo[a]pyrene	ND		9.63	2.79	ug/L		03/25/25 12:15	03/27/25 22:26	1
Benzo[b]fluoranthene	ND		9.63	5.01	ug/L		03/25/25 12:15	03/27/25 22:26	1
Benzo[g,h,i]perylene	ND		9.63	2.99	ug/L		03/25/25 12:15	03/27/25 22:26	1
Benzo[k]fluoranthene	ND		9.63	3.18	ug/L		03/25/25 12:15	03/27/25 22:26	1
Bis(2-chloroethoxy)methane	ND		9.63	4.43	ug/L		03/25/25 12:15	03/27/25 22:26	1
Bis(2-chloroethyl)ether	ND		9.63	3.76	ug/L		03/25/25 12:15	03/27/25 22:26	1
Bis(2-ethylhexyl) phthalate	ND		9.63	8.57	ug/L		03/25/25 12:15	03/27/25 22:26	1
Chrysene	ND		9.63	6.16	ug/L		03/25/25 12:15	03/27/25 22:26	1
Dibenz(a,h)anthracene	ND		9.63	2.60	ug/L		03/25/25 12:15	03/27/25 22:26	1
Dibenzofuran	ND		9.63	3.85	ug/L		03/25/25 12:15	03/27/25 22:26	1
Di-n-butyl phthalate	ND		9.63	4.43	ug/L		03/25/25 12:15	03/27/25 22:26	1
Diethyl phthalate	ND		9.63	4.24	ug/L		03/25/25 12:15	03/27/25 22:26	1
Dimethyl phthalate	ND		9.63	4.04	ug/L		03/25/25 12:15	03/27/25 22:26	1
Di-n-octyl phthalate	ND		9.63	5.78	ug/L		03/25/25 12:15	03/27/25 22:26	1
Fluoranthene	ND		9.63	3.95	ug/L		03/25/25 12:15	03/27/25 22:26	1
Fluorene	ND		9.63	4.53	ug/L		03/25/25 12:15	03/27/25 22:26	1
Hexachlorobenzene	ND		9.63	9.34	ug/L		03/25/25 12:15	03/27/25 22:26	1
Hexachlorobutadiene	ND		9.63	3.56	ug/L		03/25/25 12:15	03/27/25 22:26	1
Hexachlorocyclopentadiene	ND		19.3	4.33	ug/L		03/25/25 12:15	03/27/25 22:26	1
Hexachloroethane	ND		9.63	5.01	ug/L		03/25/25 12:15	03/27/25 22:26	1
Indeno[1,2,3-cd]pyrene	ND		9.63	2.79	ug/L		03/25/25 12:15	03/27/25 22:26	1
Isophorone	ND		9.63	5.01	ug/L		03/25/25 12:15	03/27/25 22:26	1
Naphthalene	ND		9.63	3.85	ug/L		03/25/25 12:15	03/27/25 22:26	1
Nitrobenzene	ND		9.63	4.53	ug/L		03/25/25 12:15	03/27/25 22:26	1
N-Nitrosodiphenylamine	ND		9.63	3.56	ug/L		03/25/25 12:15	03/27/25 22:26	1
N-Nitrosodi-n-propylamine	ND		9.63	2.41	ug/L		03/25/25 12:15	03/27/25 22:26	1
Pentachlorophenol	ND		19.3	11.5	ug/L		03/25/25 12:15	03/27/25 22:26	1
Phenanthrene	ND		9.63	2.70	ug/L		03/25/25 12:15	03/27/25 22:26	1
Phenol	ND		9.63	4.04	ug/L		03/25/25 12:15	03/27/25 22:26	1
Pyrene	ND		9.63	3.76	ug/L		03/25/25 12:15	03/27/25 22:26	1
Butyl benzyl phthalate	ND		9.63	5.59	ug/L		03/25/25 12:15	03/27/25 22:26	1
bis (2-chloroisopropyl) ether	ND		9.63	1.73	ug/L		03/25/25 12:15	03/27/25 22:26	1
Carbazole	ND		9.63	4.82	ug/L		03/25/25 12:15	03/27/25 22:26	1

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Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SW-6
Date Collected: 03/19/25 09:15
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-6
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		9.63	3.76	ug/L		03/25/25 12:15	03/27/25 22:26	1
4-Nitrophenol	ND		9.63	3.18	ug/L		03/25/25 12:15	03/27/25 22:26	1
Atrazine	ND		9.63	4.82	ug/L		03/25/25 12:15	03/27/25 22:26	1
Benzaldehyde	ND		9.63	2.21	ug/L		03/25/25 12:15	03/27/25 22:26	1
Caprolactam	ND		9.63	2.31	ug/L		03/25/25 12:15	03/27/25 22:26	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	80		10 - 150				03/25/25 12:15	03/27/25 22:26	1
2-Fluorobiphenyl (Surr)	72		21 - 114				03/25/25 12:15	03/27/25 22:26	1
2-Fluorophenol (Surr)	39		10 - 105				03/25/25 12:15	03/27/25 22:26	1
Terphenyl-d14 (Surr)	86		13 - 150				03/25/25 12:15	03/27/25 22:26	1
Phenol-d5 (Surr)	28		10 - 129				03/25/25 12:15	03/27/25 22:26	1
Nitrobenzene-d5 (Surr)	61		16 - 127				03/25/25 12:15	03/27/25 22:26	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	18.3		1.00	0.390	mg/L			03/22/25 18:43	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		03/24/25 12:30	03/26/25 01:06	1
Arsenic	ND		5.00	1.32	ug/L		03/24/25 12:30	03/26/25 01:06	1
Barium	83.8		10.0	0.410	ug/L		03/24/25 12:30	03/26/25 01:06	1
Beryllium	ND		1.00	0.147	ug/L		03/24/25 12:30	03/26/25 01:06	1
Cadmium	ND		0.700	0.237	ug/L		03/24/25 12:30	03/26/25 01:06	1
Chromium	ND		5.00	3.69	ug/L		03/24/25 12:30	03/26/25 01:06	1
Cobalt	0.660	J	5.00	0.411	ug/L		03/24/25 12:30	03/26/25 01:06	1
Copper	6.16		2.00	0.642	ug/L		03/24/25 12:30	03/26/25 01:06	1
Lead	1.47		1.00	0.864	ug/L		03/24/25 12:30	03/26/25 01:06	1
Manganese	264		5.00	1.29	ug/L		03/24/25 12:30	03/31/25 15:08	1
Nickel	3.05	J	5.00	0.422	ug/L		03/24/25 12:30	03/26/25 01:06	1
Selenium	ND		5.00	2.29	ug/L		03/24/25 12:30	03/26/25 01:06	1
Silver	ND		1.00	0.167	ug/L		03/24/25 12:30	03/26/25 01:06	1
Thallium	ND		1.00	0.190	ug/L		03/24/25 12:30	03/26/25 01:06	1
Vanadium	ND		5.00	1.22	ug/L		03/24/25 12:30	03/26/25 01:06	1
Zinc	23.8		10.0	8.91	ug/L		03/24/25 12:30	03/26/25 01:06	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		03/27/25 19:04	03/27/25 22:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	0.0426	J	0.0500	0.0200	mg/L			03/21/25 11:32	1
Nitrate Nitrite as N (EPA 353.2)	0.101		0.100	0.0410	mg/L			03/24/25 11:09	1
Nitrite as N (EPA 353.2)	ND		0.100	0.0168	mg/L			03/20/25 16:52	1
Nitrate as N (SM Nitrate by calc)	0.101		0.100	0.0250	mg/L			03/26/25 16:31	1

Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SW-7
Date Collected: 03/19/25 09:00
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-7
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			04/02/25 13:51	1
Benzene	ND		1.00	0.500	ug/L			04/02/25 13:51	1
Bromobenzene	ND		1.00	0.540	ug/L			04/02/25 13:51	1
Bromoform	ND		5.00	0.250	ug/L			04/02/25 13:51	1
Bromomethane	ND		1.00	0.980	ug/L			04/02/25 13:51	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			04/02/25 13:51	1
Carbon disulfide	ND		1.00	0.500	ug/L			04/02/25 13:51	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			04/02/25 13:51	1
Chlorobenzene	ND		1.00	0.420	ug/L			04/02/25 13:51	1
Chlorobromomethane	ND		1.00	0.520	ug/L			04/02/25 13:51	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			04/02/25 13:51	1
Chloroethane	ND		1.00	0.760	ug/L			04/02/25 13:51	1
Chloroform	ND		1.00	0.900	ug/L			04/02/25 13:51	1
Chloromethane	ND		1.00	0.400	ug/L			04/02/25 13:51	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			04/02/25 13:51	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			04/02/25 13:51	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			04/02/25 13:51	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			04/02/25 13:51	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			04/02/25 13:51	1
Dibromomethane	ND		5.00	0.220	ug/L			04/02/25 13:51	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			04/02/25 13:51	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			04/02/25 13:51	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			04/02/25 13:51	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			04/02/25 13:51	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			04/02/25 13:51	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			04/02/25 13:51	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			04/02/25 13:51	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			04/02/25 13:51	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			04/02/25 13:51	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			04/02/25 13:51	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			04/02/25 13:51	1
Ethyl acetate	ND		10.0	6.14	ug/L			04/02/25 13:51	1
Ethylbenzene	ND		1.00	0.500	ug/L			04/02/25 13:51	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			04/02/25 13:51	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			04/02/25 13:51	1
Hexane	ND		1.00	0.960	ug/L			04/02/25 13:51	1
2-Hexanone	ND		25.0	4.26	ug/L			04/02/25 13:51	1
Iodomethane	ND		1.00	0.900	ug/L			04/02/25 13:51	1
Isopropylbenzene	ND		1.00	0.530	ug/L			04/02/25 13:51	1
Isopropyl ether	ND	*+	1.00	0.740	ug/L			04/02/25 13:51	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			04/02/25 13:51	1
Methylene Chloride	ND		5.00	3.00	ug/L			04/02/25 13:51	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			04/02/25 13:51	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			04/02/25 13:51	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			04/02/25 13:51	1
Naphthalene	ND		5.00	3.00	ug/L			04/02/25 13:51	1
n-Butylbenzene	ND		1.00	0.760	ug/L			04/02/25 13:51	1
n-Heptane	ND		1.00	0.210	ug/L			04/02/25 13:51	1
N-Propylbenzene	ND		1.00	0.690	ug/L			04/02/25 13:51	1

Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SW-7
Date Collected: 03/19/25 09:00
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-7
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			04/02/25 13:51	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			04/02/25 13:51	1
Styrene	ND		1.00	1.00	ug/L			04/02/25 13:51	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			04/02/25 13:51	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			04/02/25 13:51	1
1,1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			04/02/25 13:51	1
Tetrachloroethene	ND		1.00	0.330	ug/L			04/02/25 13:51	1
Toluene	ND		1.00	0.900	ug/L			04/02/25 13:51	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			04/02/25 13:51	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			04/02/25 13:51	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			04/02/25 13:51	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			04/02/25 13:51	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			04/02/25 13:51	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			04/02/25 13:51	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			04/02/25 13:51	1
Trichloroethene	ND		1.00	0.150	ug/L			04/02/25 13:51	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			04/02/25 13:51	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			04/02/25 13:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			04/02/25 13:51	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			04/02/25 13:51	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			04/02/25 13:51	1
Vinyl acetate	ND		25.0	0.930	ug/L			04/02/25 13:51	1
Vinyl chloride	ND		1.00	0.500	ug/L			04/02/25 13:51	1
Xylenes, Total	ND		10.0	6.00	ug/L			04/02/25 13:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	105		56 - 136		04/02/25 13:51	1
Dibromofluoromethane	94		79 - 130		04/02/25 13:51	1
1,2-Dichloroethane-d4 (Surr)	95		59 - 146		04/02/25 13:51	1
Toluene-d8 (Surr)	101		64 - 132		04/02/25 13:51	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	0.305		0.297	0.297	ug/L		03/26/25 16:26	03/31/25 20:04	1
Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1,4-Dioxane-d8	27		10 - 140	03/26/25 16:26	03/31/25 20:04	1			

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.80	3.53	ug/L		03/25/25 12:15	03/27/25 22:52	1
2,4,5-Trichlorophenol	ND		9.80	3.92	ug/L		03/25/25 12:15	03/27/25 22:52	1
2,4,6-Trichlorophenol	ND		9.80	3.43	ug/L		03/25/25 12:15	03/27/25 22:52	1
2,4-Dichlorophenol	ND		9.80	4.22	ug/L		03/25/25 12:15	03/27/25 22:52	1
2,4-Dimethylphenol	ND		9.80	5.10	ug/L		03/25/25 12:15	03/27/25 22:52	1
2,4-Dinitrophenol	ND		29.4	4.51	ug/L		03/25/25 12:15	03/27/25 22:52	1
2,4-Dinitrotoluene	ND		9.80	5.00	ug/L		03/25/25 12:15	03/27/25 22:52	1
2-Chlorophenol	ND		9.80	4.02	ug/L		03/25/25 12:15	03/27/25 22:52	1
2-Chloronaphthalene	ND		9.80	3.73	ug/L		03/25/25 12:15	03/27/25 22:52	1
2-Methylnaphthalene	ND		9.80	4.51	ug/L		03/25/25 12:15	03/27/25 22:52	1
2-Methylphenol	ND		9.80	3.14	ug/L		03/25/25 12:15	03/27/25 22:52	1

Eurofins Raleigh

Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SW-7
Date Collected: 03/19/25 09:00
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-7
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		9.80	4.90	ug/L		03/25/25 12:15	03/27/25 22:52	1
2-Nitrophenol	ND		9.80	4.51	ug/L		03/25/25 12:15	03/27/25 22:52	1
3 & 4 Methylphenol	ND		19.6	4.51	ug/L		03/25/25 12:15	03/27/25 22:52	1
3,3'-Dichlorobenzidine	ND	+	10.8	10.8	ug/L		03/25/25 12:15	03/27/25 22:52	1
3-Nitroaniline	ND		9.80	4.61	ug/L		03/25/25 12:15	03/27/25 22:52	1
4,6-Dinitro-2-methylphenol	ND		9.80	9.80	ug/L		03/25/25 12:15	03/27/25 22:52	1
4-Bromophenyl phenyl ether	ND		9.80	8.43	ug/L		03/25/25 12:15	03/27/25 22:52	1
4-Chloro-3-methylphenol	ND		9.80	5.20	ug/L		03/25/25 12:15	03/27/25 22:52	1
4-Chloroaniline	ND		9.80	4.61	ug/L		03/25/25 12:15	03/27/25 22:52	1
4-Chlorophenyl phenyl ether	ND		9.80	3.63	ug/L		03/25/25 12:15	03/27/25 22:52	1
4-Nitroaniline	ND		9.80	4.02	ug/L		03/25/25 12:15	03/27/25 22:52	1
Acenaphthene	ND		9.80	4.31	ug/L		03/25/25 12:15	03/27/25 22:52	1
Acenaphthylene	ND		9.80	4.02	ug/L		03/25/25 12:15	03/27/25 22:52	1
Acetophenone	ND		9.80	5.00	ug/L		03/25/25 12:15	03/27/25 22:52	1
Anthracene	ND		9.80	3.82	ug/L		03/25/25 12:15	03/27/25 22:52	1
Benzo[a]anthracene	ND		9.80	6.47	ug/L		03/25/25 12:15	03/27/25 22:52	1
Benzo[a]pyrene	ND		9.80	2.84	ug/L		03/25/25 12:15	03/27/25 22:52	1
Benzo[b]fluoranthene	ND		9.80	5.10	ug/L		03/25/25 12:15	03/27/25 22:52	1
Benzo[g,h,i]perylene	ND		9.80	3.04	ug/L		03/25/25 12:15	03/27/25 22:52	1
Benzo[k]fluoranthene	ND		9.80	3.24	ug/L		03/25/25 12:15	03/27/25 22:52	1
Bis(2-chloroethoxy)methane	ND		9.80	4.51	ug/L		03/25/25 12:15	03/27/25 22:52	1
Bis(2-chloroethyl)ether	ND		9.80	3.82	ug/L		03/25/25 12:15	03/27/25 22:52	1
Bis(2-ethylhexyl) phthalate	ND		9.80	8.73	ug/L		03/25/25 12:15	03/27/25 22:52	1
Chrysene	ND		9.80	6.27	ug/L		03/25/25 12:15	03/27/25 22:52	1
Dibenz(a,h)anthracene	ND		9.80	2.65	ug/L		03/25/25 12:15	03/27/25 22:52	1
Dibenzofuran	ND		9.80	3.92	ug/L		03/25/25 12:15	03/27/25 22:52	1
Di-n-butyl phthalate	ND		9.80	4.51	ug/L		03/25/25 12:15	03/27/25 22:52	1
Diethyl phthalate	ND		9.80	4.31	ug/L		03/25/25 12:15	03/27/25 22:52	1
Dimethyl phthalate	ND		9.80	4.12	ug/L		03/25/25 12:15	03/27/25 22:52	1
Di-n-octyl phthalate	ND		9.80	5.88	ug/L		03/25/25 12:15	03/27/25 22:52	1
Fluoranthene	ND		9.80	4.02	ug/L		03/25/25 12:15	03/27/25 22:52	1
Fluorene	ND		9.80	4.61	ug/L		03/25/25 12:15	03/27/25 22:52	1
Hexachlorobenzene	ND		9.80	9.51	ug/L		03/25/25 12:15	03/27/25 22:52	1
Hexachlorobutadiene	ND		9.80	3.63	ug/L		03/25/25 12:15	03/27/25 22:52	1
Hexachlorocyclopentadiene	ND		19.6	4.41	ug/L		03/25/25 12:15	03/27/25 22:52	1
Hexachloroethane	ND		9.80	5.10	ug/L		03/25/25 12:15	03/27/25 22:52	1
Indeno[1,2,3-cd]pyrene	ND		9.80	2.84	ug/L		03/25/25 12:15	03/27/25 22:52	1
Isophorone	ND		9.80	5.10	ug/L		03/25/25 12:15	03/27/25 22:52	1
Naphthalene	ND		9.80	3.92	ug/L		03/25/25 12:15	03/27/25 22:52	1
Nitrobenzene	ND		9.80	4.61	ug/L		03/25/25 12:15	03/27/25 22:52	1
N-Nitrosodiphenylamine	ND		9.80	3.63	ug/L		03/25/25 12:15	03/27/25 22:52	1
N-Nitrosodi-n-propylamine	ND		9.80	2.45	ug/L		03/25/25 12:15	03/27/25 22:52	1
Pentachlorophenol	ND		19.6	11.7	ug/L		03/25/25 12:15	03/27/25 22:52	1
Phenanthrene	ND		9.80	2.75	ug/L		03/25/25 12:15	03/27/25 22:52	1
Phenol	ND		9.80	4.12	ug/L		03/25/25 12:15	03/27/25 22:52	1
Pyrene	ND		9.80	3.82	ug/L		03/25/25 12:15	03/27/25 22:52	1
Butyl benzyl phthalate	ND		9.80	5.69	ug/L		03/25/25 12:15	03/27/25 22:52	1
bis (2-chloroisopropyl) ether	ND		9.80	1.76	ug/L		03/25/25 12:15	03/27/25 22:52	1
Carbazole	ND		9.80	4.90	ug/L		03/25/25 12:15	03/27/25 22:52	1

Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SW-7
Date Collected: 03/19/25 09:00
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-7
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		9.80	3.82	ug/L		03/25/25 12:15	03/27/25 22:52	1
4-Nitrophenol	ND		9.80	3.24	ug/L		03/25/25 12:15	03/27/25 22:52	1
Atrazine	ND		9.80	4.90	ug/L		03/25/25 12:15	03/27/25 22:52	1
Benzaldehyde	ND		9.80	2.25	ug/L		03/25/25 12:15	03/27/25 22:52	1
Caprolactam	ND		9.80	2.35	ug/L		03/25/25 12:15	03/27/25 22:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	79		10 - 150				03/25/25 12:15	03/27/25 22:52	1
2-Fluorobiphenyl (Surr)	67		21 - 114				03/25/25 12:15	03/27/25 22:52	1
2-Fluorophenol (Surr)	38		10 - 105				03/25/25 12:15	03/27/25 22:52	1
Terphenyl-d14 (Surr)	87		13 - 150				03/25/25 12:15	03/27/25 22:52	1
Phenol-d5 (Surr)	26		10 - 129				03/25/25 12:15	03/27/25 22:52	1
Nitrobenzene-d5 (Surr)	58		16 - 127				03/25/25 12:15	03/27/25 22:52	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	18.0		1.00	0.390	mg/L			03/22/25 18:52	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		03/24/25 12:30	03/26/25 01:08	1
Arsenic	ND		5.00	1.32	ug/L		03/24/25 12:30	03/26/25 01:08	1
Barium	81.7		10.0	0.410	ug/L		03/24/25 12:30	03/26/25 01:08	1
Beryllium	ND		1.00	0.147	ug/L		03/24/25 12:30	03/26/25 01:08	1
Cadmium	ND		0.700	0.237	ug/L		03/24/25 12:30	03/26/25 01:08	1
Chromium	ND		5.00	3.69	ug/L		03/24/25 12:30	03/26/25 01:08	1
Cobalt	0.566	J	5.00	0.411	ug/L		03/24/25 12:30	03/26/25 01:08	1
Copper	5.81		2.00	0.642	ug/L		03/24/25 12:30	03/26/25 01:08	1
Lead	1.07		1.00	0.864	ug/L		03/24/25 12:30	03/26/25 01:08	1
Manganese	234		5.00	1.29	ug/L		03/24/25 12:30	03/31/25 15:10	1
Nickel	2.53	J	5.00	0.422	ug/L		03/24/25 12:30	03/26/25 01:08	1
Selenium	ND		5.00	2.29	ug/L		03/24/25 12:30	03/26/25 01:08	1
Silver	ND		1.00	0.167	ug/L		03/24/25 12:30	03/26/25 01:08	1
Thallium	ND		1.00	0.190	ug/L		03/24/25 12:30	03/26/25 01:08	1
Vanadium	ND		5.00	1.22	ug/L		03/24/25 12:30	03/26/25 01:08	1
Zinc	21.7		10.0	8.91	ug/L		03/24/25 12:30	03/26/25 01:08	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		03/27/25 19:04	03/27/25 23:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	0.0521		0.0500	0.0200	mg/L			03/21/25 11:34	1
Nitrate Nitrite as N (EPA 353.2)	0.106		0.100	0.0410	mg/L			03/24/25 11:11	1
Nitrite as N (EPA 353.2)	ND		0.100	0.0168	mg/L			03/20/25 16:53	1
Nitrate as N (SM Nitrate by calc)	0.106		0.100	0.0250	mg/L			03/26/25 16:31	1

Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SW-Dup

Lab Sample ID: 752-30758-8

Date Collected: 03/19/25 00:00

Matrix: Water

Date Received: 03/20/25 09:08

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			04/02/25 14:15	1
Benzene	ND		1.00	0.500	ug/L			04/02/25 14:15	1
Bromobenzene	ND		1.00	0.540	ug/L			04/02/25 14:15	1
Bromoform	ND		5.00	0.250	ug/L			04/02/25 14:15	1
Bromomethane	ND		1.00	0.980	ug/L			04/02/25 14:15	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			04/02/25 14:15	1
Carbon disulfide	ND		1.00	0.500	ug/L			04/02/25 14:15	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			04/02/25 14:15	1
Chlorobenzene	ND		1.00	0.420	ug/L			04/02/25 14:15	1
Chlorobromomethane	ND		1.00	0.520	ug/L			04/02/25 14:15	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			04/02/25 14:15	1
Chloroethane	ND		1.00	0.760	ug/L			04/02/25 14:15	1
Chloroform	ND		1.00	0.900	ug/L			04/02/25 14:15	1
Chloromethane	ND		1.00	0.400	ug/L			04/02/25 14:15	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			04/02/25 14:15	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			04/02/25 14:15	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			04/02/25 14:15	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			04/02/25 14:15	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			04/02/25 14:15	1
Dibromomethane	ND		5.00	0.220	ug/L			04/02/25 14:15	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			04/02/25 14:15	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			04/02/25 14:15	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			04/02/25 14:15	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			04/02/25 14:15	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			04/02/25 14:15	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			04/02/25 14:15	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			04/02/25 14:15	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			04/02/25 14:15	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			04/02/25 14:15	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			04/02/25 14:15	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			04/02/25 14:15	1
Ethyl acetate	ND		10.0	6.14	ug/L			04/02/25 14:15	1
Ethylbenzene	ND		1.00	0.500	ug/L			04/02/25 14:15	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			04/02/25 14:15	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			04/02/25 14:15	1
Hexane	ND		1.00	0.960	ug/L			04/02/25 14:15	1
2-Hexanone	ND		25.0	4.26	ug/L			04/02/25 14:15	1
Iodomethane	ND		1.00	0.900	ug/L			04/02/25 14:15	1
Isopropylbenzene	ND		1.00	0.530	ug/L			04/02/25 14:15	1
Isopropyl ether	ND	*+	1.00	0.740	ug/L			04/02/25 14:15	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			04/02/25 14:15	1
Methylene Chloride	ND		5.00	3.00	ug/L			04/02/25 14:15	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			04/02/25 14:15	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			04/02/25 14:15	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			04/02/25 14:15	1
Naphthalene	ND		5.00	3.00	ug/L			04/02/25 14:15	1
n-Butylbenzene	ND		1.00	0.760	ug/L			04/02/25 14:15	1
n-Heptane	ND		1.00	0.210	ug/L			04/02/25 14:15	1
N-Propylbenzene	ND		1.00	0.690	ug/L			04/02/25 14:15	1

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Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SW-Dup

Lab Sample ID: 752-30758-8

Date Collected: 03/19/25 00:00

Matrix: Water

Date Received: 03/20/25 09:08

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			04/02/25 14:15	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			04/02/25 14:15	1
Styrene	ND		1.00	1.00	ug/L			04/02/25 14:15	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			04/02/25 14:15	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			04/02/25 14:15	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			04/02/25 14:15	1
Tetrachloroethene	ND		1.00	0.330	ug/L			04/02/25 14:15	1
Toluene	ND		1.00	0.900	ug/L			04/02/25 14:15	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			04/02/25 14:15	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			04/02/25 14:15	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			04/02/25 14:15	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			04/02/25 14:15	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			04/02/25 14:15	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			04/02/25 14:15	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			04/02/25 14:15	1
Trichloroethene	ND		1.00	0.150	ug/L			04/02/25 14:15	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			04/02/25 14:15	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			04/02/25 14:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			04/02/25 14:15	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			04/02/25 14:15	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			04/02/25 14:15	1
Vinyl acetate	ND		25.0	0.930	ug/L			04/02/25 14:15	1
Vinyl chloride	ND		1.00	0.500	ug/L			04/02/25 14:15	1
Xylenes, Total	ND		10.0	6.00	ug/L			04/02/25 14:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	104		56 - 136		04/02/25 14:15	1
Dibromofluoromethane	95		79 - 130		04/02/25 14:15	1
1,2-Dichloroethane-d4 (Surr)	94		59 - 146		04/02/25 14:15	1
Toluene-d8 (Surr)	101		64 - 132		04/02/25 14:15	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		0.275	0.275	ug/L		03/26/25 16:26	03/31/25 20:26	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	30		10 - 140	03/26/25 16:26	03/31/25 20:26	1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.25	3.33	ug/L		03/25/25 12:15	03/27/25 23:17	1
2,4,5-Trichlorophenol	ND		9.25	3.70	ug/L		03/25/25 12:15	03/27/25 23:17	1
2,4,6-Trichlorophenol	ND		9.25	3.24	ug/L		03/25/25 12:15	03/27/25 23:17	1
2,4-Dichlorophenol	ND		9.25	3.98	ug/L		03/25/25 12:15	03/27/25 23:17	1
2,4-Dimethylphenol	ND		9.25	4.81	ug/L		03/25/25 12:15	03/27/25 23:17	1
2,4-Dinitrophenol	ND		27.7	4.25	ug/L		03/25/25 12:15	03/27/25 23:17	1
2,4-Dinitrotoluene	ND		9.25	4.72	ug/L		03/25/25 12:15	03/27/25 23:17	1
2-Chlorophenol	ND		9.25	3.79	ug/L		03/25/25 12:15	03/27/25 23:17	1
2-Chloronaphthalene	ND		9.25	3.51	ug/L		03/25/25 12:15	03/27/25 23:17	1
2-Methylnaphthalene	ND		9.25	4.25	ug/L		03/25/25 12:15	03/27/25 23:17	1
2-Methylphenol	ND		9.25	2.96	ug/L		03/25/25 12:15	03/27/25 23:17	1

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Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SW-Dup

Lab Sample ID: 752-30758-8

Date Collected: 03/19/25 00:00

Matrix: Water

Date Received: 03/20/25 09:08

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		9.25	4.62	ug/L		03/25/25 12:15	03/27/25 23:17	1
2-Nitrophenol	ND		9.25	4.25	ug/L		03/25/25 12:15	03/27/25 23:17	1
3 & 4 Methylphenol	ND		18.5	4.25	ug/L		03/25/25 12:15	03/27/25 23:17	1
3,3'-Dichlorobenzidine	ND	+	10.2	10.2	ug/L		03/25/25 12:15	03/27/25 23:17	1
3-Nitroaniline	ND		9.25	4.35	ug/L		03/25/25 12:15	03/27/25 23:17	1
4,6-Dinitro-2-methylphenol	ND		9.25	9.25	ug/L		03/25/25 12:15	03/27/25 23:17	1
4-Bromophenyl phenyl ether	ND		9.25	7.95	ug/L		03/25/25 12:15	03/27/25 23:17	1
4-Chloro-3-methylphenol	ND		9.25	4.90	ug/L		03/25/25 12:15	03/27/25 23:17	1
4-Chloroaniline	ND		9.25	4.35	ug/L		03/25/25 12:15	03/27/25 23:17	1
4-Chlorophenyl phenyl ether	ND		9.25	3.42	ug/L		03/25/25 12:15	03/27/25 23:17	1
4-Nitroaniline	ND		9.25	3.79	ug/L		03/25/25 12:15	03/27/25 23:17	1
Acenaphthene	ND		9.25	4.07	ug/L		03/25/25 12:15	03/27/25 23:17	1
Acenaphthylene	ND		9.25	3.79	ug/L		03/25/25 12:15	03/27/25 23:17	1
Acetophenone	ND		9.25	4.72	ug/L		03/25/25 12:15	03/27/25 23:17	1
Anthracene	ND		9.25	3.61	ug/L		03/25/25 12:15	03/27/25 23:17	1
Benzo[a]anthracene	ND		9.25	6.10	ug/L		03/25/25 12:15	03/27/25 23:17	1
Benzo[a]pyrene	ND		9.25	2.68	ug/L		03/25/25 12:15	03/27/25 23:17	1
Benzo[b]fluoranthene	ND		9.25	4.81	ug/L		03/25/25 12:15	03/27/25 23:17	1
Benzo[g,h,i]perylene	ND		9.25	2.87	ug/L		03/25/25 12:15	03/27/25 23:17	1
Benzo[k]fluoranthene	ND		9.25	3.05	ug/L		03/25/25 12:15	03/27/25 23:17	1
Bis(2-chloroethoxy)methane	ND		9.25	4.25	ug/L		03/25/25 12:15	03/27/25 23:17	1
Bis(2-chloroethyl)ether	ND		9.25	3.61	ug/L		03/25/25 12:15	03/27/25 23:17	1
Bis(2-ethylhexyl) phthalate	ND		9.25	8.23	ug/L		03/25/25 12:15	03/27/25 23:17	1
Chrysene	ND		9.25	5.92	ug/L		03/25/25 12:15	03/27/25 23:17	1
Dibenz(a,h)anthracene	ND		9.25	2.50	ug/L		03/25/25 12:15	03/27/25 23:17	1
Dibenzofuran	ND		9.25	3.70	ug/L		03/25/25 12:15	03/27/25 23:17	1
Di-n-butyl phthalate	ND		9.25	4.25	ug/L		03/25/25 12:15	03/27/25 23:17	1
Diethyl phthalate	ND		9.25	4.07	ug/L		03/25/25 12:15	03/27/25 23:17	1
Dimethyl phthalate	ND		9.25	3.88	ug/L		03/25/25 12:15	03/27/25 23:17	1
Di-n-octyl phthalate	ND		9.25	5.55	ug/L		03/25/25 12:15	03/27/25 23:17	1
Fluoranthene	ND		9.25	3.79	ug/L		03/25/25 12:15	03/27/25 23:17	1
Fluorene	ND		9.25	4.35	ug/L		03/25/25 12:15	03/27/25 23:17	1
Hexachlorobenzene	ND		9.25	8.97	ug/L		03/25/25 12:15	03/27/25 23:17	1
Hexachlorobutadiene	ND		9.25	3.42	ug/L		03/25/25 12:15	03/27/25 23:17	1
Hexachlorocyclopentadiene	ND		18.5	4.16	ug/L		03/25/25 12:15	03/27/25 23:17	1
Hexachloroethane	ND		9.25	4.81	ug/L		03/25/25 12:15	03/27/25 23:17	1
Indeno[1,2,3-cd]pyrene	ND		9.25	2.68	ug/L		03/25/25 12:15	03/27/25 23:17	1
Isophorone	ND		9.25	4.81	ug/L		03/25/25 12:15	03/27/25 23:17	1
Naphthalene	ND		9.25	3.70	ug/L		03/25/25 12:15	03/27/25 23:17	1
Nitrobenzene	ND		9.25	4.35	ug/L		03/25/25 12:15	03/27/25 23:17	1
N-Nitrosodiphenylamine	ND		9.25	3.42	ug/L		03/25/25 12:15	03/27/25 23:17	1
N-Nitrosodi-n-propylamine	ND		9.25	2.31	ug/L		03/25/25 12:15	03/27/25 23:17	1
Pentachlorophenol	ND		18.5	11.0	ug/L		03/25/25 12:15	03/27/25 23:17	1
Phenanthrene	ND		9.25	2.59	ug/L		03/25/25 12:15	03/27/25 23:17	1
Phenol	ND		9.25	3.88	ug/L		03/25/25 12:15	03/27/25 23:17	1
Pyrene	ND		9.25	3.61	ug/L		03/25/25 12:15	03/27/25 23:17	1
Butyl benzyl phthalate	ND		9.25	5.36	ug/L		03/25/25 12:15	03/27/25 23:17	1
bis (2-chloroisopropyl) ether	ND		9.25	1.66	ug/L		03/25/25 12:15	03/27/25 23:17	1
Carbazole	ND		9.25	4.62	ug/L		03/25/25 12:15	03/27/25 23:17	1

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Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SW-Dup

Lab Sample ID: 752-30758-8

Date Collected: 03/19/25 00:00

Matrix: Water

Date Received: 03/20/25 09:08

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		9.25	3.61	ug/L		03/25/25 12:15	03/27/25 23:17	1
4-Nitrophenol	ND		9.25	3.05	ug/L		03/25/25 12:15	03/27/25 23:17	1
Atrazine	ND		9.25	4.62	ug/L		03/25/25 12:15	03/27/25 23:17	1
Benzaldehyde	ND		9.25	2.13	ug/L		03/25/25 12:15	03/27/25 23:17	1
Caprolactam	ND		9.25	2.22	ug/L		03/25/25 12:15	03/27/25 23:17	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	72		10 - 150				03/25/25 12:15	03/27/25 23:17	1
2-Fluorobiphenyl (Surr)	64		21 - 114				03/25/25 12:15	03/27/25 23:17	1
2-Fluorophenol (Surr)	33		10 - 105				03/25/25 12:15	03/27/25 23:17	1
Terphenyl-d14 (Surr)	82		13 - 150				03/25/25 12:15	03/27/25 23:17	1
Phenol-d5 (Surr)	22		10 - 129				03/25/25 12:15	03/27/25 23:17	1
Nitrobenzene-d5 (Surr)	53		16 - 127				03/25/25 12:15	03/27/25 23:17	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	18.1		1.00	0.390	mg/L			03/22/25 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		03/24/25 12:30	03/26/25 01:10	1
Arsenic	ND		5.00	1.32	ug/L		03/24/25 12:30	03/26/25 01:10	1
Barium	83.2		10.0	0.410	ug/L		03/24/25 12:30	03/26/25 01:10	1
Beryllium	ND		1.00	0.147	ug/L		03/24/25 12:30	03/26/25 01:10	1
Cadmium	ND		0.700	0.237	ug/L		03/24/25 12:30	03/26/25 01:10	1
Chromium	ND		5.00	3.69	ug/L		03/24/25 12:30	03/26/25 01:10	1
Cobalt	1.12	J	5.00	0.411	ug/L		03/24/25 12:30	03/26/25 01:10	1
Copper	5.95		2.00	0.642	ug/L		03/24/25 12:30	03/26/25 01:10	1
Lead	1.80		1.00	0.864	ug/L		03/24/25 12:30	03/26/25 01:10	1
Manganese	436		5.00	1.29	ug/L		03/24/25 12:30	03/31/25 15:13	1
Nickel	3.31	J	5.00	0.422	ug/L		03/24/25 12:30	03/26/25 01:10	1
Selenium	ND		5.00	2.29	ug/L		03/24/25 12:30	03/26/25 01:10	1
Silver	ND		1.00	0.167	ug/L		03/24/25 12:30	03/26/25 01:10	1
Thallium	ND		1.00	0.190	ug/L		03/24/25 12:30	03/26/25 01:10	1
Vanadium	ND		5.00	1.22	ug/L		03/24/25 12:30	03/26/25 01:10	1
Zinc	25.6		10.0	8.91	ug/L		03/24/25 12:30	03/26/25 01:10	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		03/27/25 19:04	03/27/25 23:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	0.0613		0.0500	0.0200	mg/L			03/21/25 11:36	1
Nitrate Nitrite as N (EPA 353.2)	0.138		0.100	0.0410	mg/L			03/24/25 11:13	1
Nitrite as N (EPA 353.2)	ND		0.100	0.0168	mg/L			03/20/25 16:54	1
Nitrate as N (SM Nitrate by calc)	0.138		0.100	0.0250	mg/L			03/26/25 16:31	1

Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: Trip Blank 1

Lab Sample ID: 752-30758-9

Date Collected: 03/19/25 09:00

Matrix: Water

Date Received: 03/20/25 09:08

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			04/02/25 11:24	1
Benzene	ND		1.00	0.500	ug/L			04/02/25 11:24	1
Bromobenzene	ND		1.00	0.540	ug/L			04/02/25 11:24	1
Bromoform	ND		5.00	0.250	ug/L			04/02/25 11:24	1
Bromomethane	ND		1.00	0.980	ug/L			04/02/25 11:24	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			04/02/25 11:24	1
Carbon disulfide	ND		1.00	0.500	ug/L			04/02/25 11:24	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			04/02/25 11:24	1
Chlorobenzene	ND		1.00	0.420	ug/L			04/02/25 11:24	1
Chlorobromomethane	ND		1.00	0.520	ug/L			04/02/25 11:24	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			04/02/25 11:24	1
Chloroethane	ND		1.00	0.760	ug/L			04/02/25 11:24	1
Chloroform	ND		1.00	0.900	ug/L			04/02/25 11:24	1
Chloromethane	ND		1.00	0.400	ug/L			04/02/25 11:24	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			04/02/25 11:24	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			04/02/25 11:24	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			04/02/25 11:24	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			04/02/25 11:24	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			04/02/25 11:24	1
Dibromomethane	ND		5.00	0.220	ug/L			04/02/25 11:24	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			04/02/25 11:24	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			04/02/25 11:24	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			04/02/25 11:24	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			04/02/25 11:24	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			04/02/25 11:24	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			04/02/25 11:24	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			04/02/25 11:24	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			04/02/25 11:24	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			04/02/25 11:24	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			04/02/25 11:24	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			04/02/25 11:24	1
Ethyl acetate	ND		10.0	6.14	ug/L			04/02/25 11:24	1
Ethylbenzene	ND		1.00	0.500	ug/L			04/02/25 11:24	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			04/02/25 11:24	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			04/02/25 11:24	1
Hexane	ND		1.00	0.960	ug/L			04/02/25 11:24	1
2-Hexanone	ND		25.0	4.26	ug/L			04/02/25 11:24	1
Iodomethane	ND		1.00	0.900	ug/L			04/02/25 11:24	1
Isopropylbenzene	ND		1.00	0.530	ug/L			04/02/25 11:24	1
Isopropyl ether	ND	*+	1.00	0.740	ug/L			04/02/25 11:24	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			04/02/25 11:24	1
Methylene Chloride	ND		5.00	3.00	ug/L			04/02/25 11:24	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			04/02/25 11:24	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			04/02/25 11:24	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			04/02/25 11:24	1
Naphthalene	ND		5.00	3.00	ug/L			04/02/25 11:24	1
n-Butylbenzene	ND		1.00	0.760	ug/L			04/02/25 11:24	1
n-Heptane	ND		1.00	0.210	ug/L			04/02/25 11:24	1
N-Propylbenzene	ND		1.00	0.690	ug/L			04/02/25 11:24	1

Eurofins Raleigh

Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: Trip Blank 1

Lab Sample ID: 752-30758-9

Date Collected: 03/19/25 09:00

Matrix: Water

Date Received: 03/20/25 09:08

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			04/02/25 11:24	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			04/02/25 11:24	1
Styrene	ND		1.00	1.00	ug/L			04/02/25 11:24	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			04/02/25 11:24	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			04/02/25 11:24	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			04/02/25 11:24	1
Tetrachloroethene	ND		1.00	0.330	ug/L			04/02/25 11:24	1
Toluene	ND		1.00	0.900	ug/L			04/02/25 11:24	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			04/02/25 11:24	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			04/02/25 11:24	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			04/02/25 11:24	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			04/02/25 11:24	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			04/02/25 11:24	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			04/02/25 11:24	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			04/02/25 11:24	1
Trichloroethene	ND		1.00	0.150	ug/L			04/02/25 11:24	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			04/02/25 11:24	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			04/02/25 11:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			04/02/25 11:24	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			04/02/25 11:24	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			04/02/25 11:24	1
Vinyl acetate	ND		25.0	0.930	ug/L			04/02/25 11:24	1
Vinyl chloride	ND		1.00	0.500	ug/L			04/02/25 11:24	1
Xylenes, Total	ND		10.0	6.00	ug/L			04/02/25 11:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	115		56 - 136		04/02/25 11:24	1
Dibromofluoromethane	93		79 - 130		04/02/25 11:24	1
1,2-Dichloroethane-d4 (Surr)	93		59 - 146		04/02/25 11:24	1
Toluene-d8 (Surr)	102		64 - 132		04/02/25 11:24	1

Client Sample ID: Trip Blank 2

Lab Sample ID: 752-30758-10

Date Collected: 03/19/25 09:00

Matrix: Water

Date Received: 03/20/25 09:08

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			04/02/25 11:48	1
Benzene	ND		1.00	0.500	ug/L			04/02/25 11:48	1
Bromobenzene	ND		1.00	0.540	ug/L			04/02/25 11:48	1
Bromoform	ND		5.00	0.250	ug/L			04/02/25 11:48	1
Bromomethane	ND		1.00	0.980	ug/L			04/02/25 11:48	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			04/02/25 11:48	1
Carbon disulfide	ND		1.00	0.500	ug/L			04/02/25 11:48	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			04/02/25 11:48	1
Chlorobenzene	ND		1.00	0.420	ug/L			04/02/25 11:48	1
Chlorobromomethane	ND		1.00	0.520	ug/L			04/02/25 11:48	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			04/02/25 11:48	1
Chloroethane	ND		1.00	0.760	ug/L			04/02/25 11:48	1
Chloroform	ND		1.00	0.900	ug/L			04/02/25 11:48	1

Eurofins Raleigh

Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: Trip Blank 2

Lab Sample ID: 752-30758-10

Date Collected: 03/19/25 09:00

Matrix: Water

Date Received: 03/20/25 09:08

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.00	0.400	ug/L			04/02/25 11:48	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			04/02/25 11:48	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			04/02/25 11:48	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			04/02/25 11:48	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			04/02/25 11:48	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			04/02/25 11:48	1
Dibromomethane	ND		5.00	0.220	ug/L			04/02/25 11:48	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			04/02/25 11:48	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			04/02/25 11:48	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			04/02/25 11:48	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			04/02/25 11:48	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			04/02/25 11:48	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			04/02/25 11:48	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			04/02/25 11:48	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			04/02/25 11:48	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			04/02/25 11:48	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			04/02/25 11:48	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			04/02/25 11:48	1
Ethyl acetate	ND		10.0	6.14	ug/L			04/02/25 11:48	1
Ethylbenzene	ND		1.00	0.500	ug/L			04/02/25 11:48	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			04/02/25 11:48	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			04/02/25 11:48	1
Hexane	ND		1.00	0.960	ug/L			04/02/25 11:48	1
2-Hexanone	ND		25.0	4.26	ug/L			04/02/25 11:48	1
Iodomethane	ND		1.00	0.900	ug/L			04/02/25 11:48	1
Isopropylbenzene	ND		1.00	0.530	ug/L			04/02/25 11:48	1
Isopropyl ether	ND	+	1.00	0.740	ug/L			04/02/25 11:48	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			04/02/25 11:48	1
Methylene Chloride	ND		5.00	3.00	ug/L			04/02/25 11:48	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			04/02/25 11:48	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			04/02/25 11:48	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			04/02/25 11:48	1
Naphthalene	ND		5.00	3.00	ug/L			04/02/25 11:48	1
n-Butylbenzene	ND		1.00	0.760	ug/L			04/02/25 11:48	1
n-Heptane	ND		1.00	0.210	ug/L			04/02/25 11:48	1
N-Propylbenzene	ND		1.00	0.690	ug/L			04/02/25 11:48	1
o-Xylene	ND		5.00	3.00	ug/L			04/02/25 11:48	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			04/02/25 11:48	1
Styrene	ND		1.00	1.00	ug/L			04/02/25 11:48	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			04/02/25 11:48	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			04/02/25 11:48	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			04/02/25 11:48	1
Tetrachloroethene	ND		1.00	0.330	ug/L			04/02/25 11:48	1
Toluene	ND		1.00	0.900	ug/L			04/02/25 11:48	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			04/02/25 11:48	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			04/02/25 11:48	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			04/02/25 11:48	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			04/02/25 11:48	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			04/02/25 11:48	1

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Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: Trip Blank 2

Date Collected: 03/19/25 09:00

Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-10

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			04/02/25 11:48	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			04/02/25 11:48	1
Trichloroethene	ND		1.00	0.150	ug/L			04/02/25 11:48	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			04/02/25 11:48	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			04/02/25 11:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			04/02/25 11:48	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			04/02/25 11:48	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			04/02/25 11:48	1
Vinyl acetate	ND		25.0	0.930	ug/L			04/02/25 11:48	1
Vinyl chloride	ND		1.00	0.500	ug/L			04/02/25 11:48	1
Xylenes, Total	ND		10.0	6.00	ug/L			04/02/25 11:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	106		56 - 136					04/02/25 11:48	1
Dibromofluoromethane	93		79 - 130					04/02/25 11:48	1
1,2-Dichloroethane-d4 (Surr)	93		59 - 146					04/02/25 11:48	1
Toluene-d8 (Surr)	101		64 - 132					04/02/25 11:48	1

Client Sample ID: Trip Blank 3

Date Collected: 03/19/25 09:00

Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-11

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			04/02/25 12:13	1
Benzene	ND		1.00	0.500	ug/L			04/02/25 12:13	1
Bromobenzene	ND		1.00	0.540	ug/L			04/02/25 12:13	1
Bromoform	ND		5.00	0.250	ug/L			04/02/25 12:13	1
Bromomethane	ND		1.00	0.980	ug/L			04/02/25 12:13	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			04/02/25 12:13	1
Carbon disulfide	ND		1.00	0.500	ug/L			04/02/25 12:13	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			04/02/25 12:13	1
Chlorobenzene	ND		1.00	0.420	ug/L			04/02/25 12:13	1
Chlorobromomethane	ND		1.00	0.520	ug/L			04/02/25 12:13	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			04/02/25 12:13	1
Chloroethane	ND		1.00	0.760	ug/L			04/02/25 12:13	1
Chloroform	ND		1.00	0.900	ug/L			04/02/25 12:13	1
Chloromethane	ND		1.00	0.400	ug/L			04/02/25 12:13	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			04/02/25 12:13	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			04/02/25 12:13	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			04/02/25 12:13	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			04/02/25 12:13	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			04/02/25 12:13	1
Dibromomethane	ND		5.00	0.220	ug/L			04/02/25 12:13	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			04/02/25 12:13	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			04/02/25 12:13	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			04/02/25 12:13	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			04/02/25 12:13	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			04/02/25 12:13	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			04/02/25 12:13	1

Eurofins Raleigh

Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: Trip Blank 3

Lab Sample ID: 752-30758-11

Date Collected: 03/19/25 09:00

Matrix: Water

Date Received: 03/20/25 09:08

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.00	0.500	ug/L			04/02/25 12:13	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			04/02/25 12:13	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			04/02/25 12:13	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			04/02/25 12:13	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			04/02/25 12:13	1
Ethyl acetate	ND		10.0	6.14	ug/L			04/02/25 12:13	1
Ethylbenzene	ND		1.00	0.500	ug/L			04/02/25 12:13	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			04/02/25 12:13	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			04/02/25 12:13	1
Hexane	ND		1.00	0.960	ug/L			04/02/25 12:13	1
2-Hexanone	ND		25.0	4.26	ug/L			04/02/25 12:13	1
Iodomethane	ND		1.00	0.900	ug/L			04/02/25 12:13	1
Isopropylbenzene	ND		1.00	0.530	ug/L			04/02/25 12:13	1
Isopropyl ether	ND	*+	1.00	0.740	ug/L			04/02/25 12:13	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			04/02/25 12:13	1
Methylene Chloride	ND		5.00	3.00	ug/L			04/02/25 12:13	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			04/02/25 12:13	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			04/02/25 12:13	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			04/02/25 12:13	1
Naphthalene	ND		5.00	3.00	ug/L			04/02/25 12:13	1
n-Butylbenzene	ND		1.00	0.760	ug/L			04/02/25 12:13	1
n-Heptane	ND		1.00	0.210	ug/L			04/02/25 12:13	1
N-Propylbenzene	ND		1.00	0.690	ug/L			04/02/25 12:13	1
o-Xylene	ND		5.00	3.00	ug/L			04/02/25 12:13	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			04/02/25 12:13	1
Styrene	ND		1.00	1.00	ug/L			04/02/25 12:13	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			04/02/25 12:13	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			04/02/25 12:13	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			04/02/25 12:13	1
Tetrachloroethene	ND		1.00	0.330	ug/L			04/02/25 12:13	1
Toluene	ND		1.00	0.900	ug/L			04/02/25 12:13	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			04/02/25 12:13	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			04/02/25 12:13	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			04/02/25 12:13	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			04/02/25 12:13	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			04/02/25 12:13	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			04/02/25 12:13	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			04/02/25 12:13	1
Trichloroethene	ND		1.00	0.150	ug/L			04/02/25 12:13	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			04/02/25 12:13	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			04/02/25 12:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			04/02/25 12:13	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			04/02/25 12:13	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			04/02/25 12:13	1
Vinyl acetate	ND		25.0	0.930	ug/L			04/02/25 12:13	1
Vinyl chloride	ND		1.00	0.500	ug/L			04/02/25 12:13	1
Xylenes, Total	ND		10.0	6.00	ug/L			04/02/25 12:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	106		56 - 136		04/02/25 12:13	1

Eurofins Raleigh

Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: Trip Blank 3

Date Collected: 03/19/25 09:00

Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-11

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	94		79 - 130		04/02/25 12:13	1
1,2-Dichloroethane-d4 (Surr)	94		59 - 146		04/02/25 12:13	1
Toluene-d8 (Surr)	101		64 - 132		04/02/25 12:13	1

Client Sample ID: Trip Blank 4

Date Collected: 03/19/25 09:00

Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-12

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			04/02/25 12:37	1
Benzene	ND		1.00	0.500	ug/L			04/02/25 12:37	1
Bromobenzene	ND		1.00	0.540	ug/L			04/02/25 12:37	1
Bromoform	ND		5.00	0.250	ug/L			04/02/25 12:37	1
Bromomethane	ND		1.00	0.980	ug/L			04/02/25 12:37	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			04/02/25 12:37	1
Carbon disulfide	ND		1.00	0.500	ug/L			04/02/25 12:37	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			04/02/25 12:37	1
Chlorobenzene	ND		1.00	0.420	ug/L			04/02/25 12:37	1
Chlorobromomethane	ND		1.00	0.520	ug/L			04/02/25 12:37	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			04/02/25 12:37	1
Chloroethane	ND		1.00	0.760	ug/L			04/02/25 12:37	1
Chloroform	ND		1.00	0.900	ug/L			04/02/25 12:37	1
Chloromethane	ND		1.00	0.400	ug/L			04/02/25 12:37	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			04/02/25 12:37	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			04/02/25 12:37	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			04/02/25 12:37	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			04/02/25 12:37	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			04/02/25 12:37	1
Dibromomethane	ND		5.00	0.220	ug/L			04/02/25 12:37	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			04/02/25 12:37	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			04/02/25 12:37	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			04/02/25 12:37	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			04/02/25 12:37	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			04/02/25 12:37	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			04/02/25 12:37	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			04/02/25 12:37	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			04/02/25 12:37	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			04/02/25 12:37	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			04/02/25 12:37	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			04/02/25 12:37	1
Ethyl acetate	ND		10.0	6.14	ug/L			04/02/25 12:37	1
Ethylbenzene	ND		1.00	0.500	ug/L			04/02/25 12:37	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			04/02/25 12:37	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			04/02/25 12:37	1
Hexane	ND		1.00	0.960	ug/L			04/02/25 12:37	1
2-Hexanone	ND		25.0	4.26	ug/L			04/02/25 12:37	1
Iodomethane	ND		1.00	0.900	ug/L			04/02/25 12:37	1
Isopropylbenzene	ND		1.00	0.530	ug/L			04/02/25 12:37	1

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Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: Trip Blank 4

Lab Sample ID: 752-30758-12

Date Collected: 03/19/25 09:00

Matrix: Water

Date Received: 03/20/25 09:08

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropyl ether	ND	*+	1.00	0.740	ug/L			04/02/25 12:37	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			04/02/25 12:37	1
Methylene Chloride	ND		5.00	3.00	ug/L			04/02/25 12:37	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			04/02/25 12:37	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			04/02/25 12:37	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			04/02/25 12:37	1
Naphthalene	ND		5.00	3.00	ug/L			04/02/25 12:37	1
n-Butylbenzene	ND		1.00	0.760	ug/L			04/02/25 12:37	1
n-Heptane	ND		1.00	0.210	ug/L			04/02/25 12:37	1
N-Propylbenzene	ND		1.00	0.690	ug/L			04/02/25 12:37	1
o-Xylene	ND		5.00	3.00	ug/L			04/02/25 12:37	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			04/02/25 12:37	1
Styrene	ND		1.00	1.00	ug/L			04/02/25 12:37	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			04/02/25 12:37	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			04/02/25 12:37	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			04/02/25 12:37	1
Tetrachloroethene	ND		1.00	0.330	ug/L			04/02/25 12:37	1
Toluene	ND		1.00	0.900	ug/L			04/02/25 12:37	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			04/02/25 12:37	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			04/02/25 12:37	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			04/02/25 12:37	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			04/02/25 12:37	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			04/02/25 12:37	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			04/02/25 12:37	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			04/02/25 12:37	1
Trichloroethene	ND		1.00	0.150	ug/L			04/02/25 12:37	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			04/02/25 12:37	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			04/02/25 12:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			04/02/25 12:37	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			04/02/25 12:37	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			04/02/25 12:37	1
Vinyl acetate	ND		25.0	0.930	ug/L			04/02/25 12:37	1
Vinyl chloride	ND		1.00	0.500	ug/L			04/02/25 12:37	1
Xylenes, Total	ND		10.0	6.00	ug/L			04/02/25 12:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	106		56 - 136		04/02/25 12:37	1
Dibromofluoromethane	94		79 - 130		04/02/25 12:37	1
1,2-Dichloroethane-d4 (Surr)	92		59 - 146		04/02/25 12:37	1
Toluene-d8 (Surr)	99		64 - 132		04/02/25 12:37	1

Client Sample ID: SED-1

Lab Sample ID: 752-30758-13

Date Collected: 03/19/25 13:00

Matrix: Solid

Date Received: 03/20/25 09:08

Percent Solids: 89.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0378		0.0217	0.0104	mg/Kg	☼	04/02/25 08:15	04/02/25 10:28	1
Benzene	ND		0.00434	0.000582	mg/Kg	☼	04/02/25 08:15	04/02/25 10:28	1
Bromobenzene	ND		0.00434	0.00113	mg/Kg	☼	04/02/25 08:15	04/02/25 10:28	1

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Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SED-1
Date Collected: 03/19/25 13:00
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-13
Matrix: Solid
Percent Solids: 89.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	ND		0.00434	0.000703	mg/Kg	✳	04/02/25 08:15	04/02/25 10:28	1
Dichlorobromomethane	ND		0.00434	0.000799	mg/Kg	✳	04/02/25 08:15	04/02/25 10:28	1
Bromoform	ND		0.00434	0.00113	mg/Kg	✳	04/02/25 08:15	04/02/25 10:28	1
Bromomethane	ND		0.00434	0.00217	mg/Kg	✳	04/02/25 08:15	04/02/25 10:28	1
2-Butanone (MEK)	ND		0.0217	0.00521	mg/Kg	✳	04/02/25 08:15	04/02/25 10:28	1
n-Butylbenzene	ND		0.00434	0.000834	mg/Kg	✳	04/02/25 08:15	04/02/25 10:28	1
sec-Butylbenzene	ND		0.00434	0.000825	mg/Kg	✳	04/02/25 08:15	04/02/25 10:28	1
tert-Butylbenzene	ND		0.00434	0.000955	mg/Kg	✳	04/02/25 08:15	04/02/25 10:28	1
Carbon disulfide	ND		0.00434	0.00220	mg/Kg	✳	04/02/25 08:15	04/02/25 10:28	1
Carbon tetrachloride	ND		0.00434	0.00148	mg/Kg	✳	04/02/25 08:15	04/02/25 10:28	1
Chlorobenzene	ND		0.00434	0.00115	mg/Kg	✳	04/02/25 08:15	04/02/25 10:28	1
Chloroethane	ND		0.00434	0.00287	mg/Kg	✳	04/02/25 08:15	04/02/25 10:28	1
Chloroform	ND		0.00434	0.00118	mg/Kg	✳	04/02/25 08:15	04/02/25 10:28	1
Chloromethane	ND		0.00434	0.00192	mg/Kg	✳	04/02/25 08:15	04/02/25 10:28	1
2-Chlorotoluene	ND		0.00434	0.00144	mg/Kg	✳	04/02/25 08:15	04/02/25 10:28	1
4-Chlorotoluene	ND		0.00434	0.000851	mg/Kg	✳	04/02/25 08:15	04/02/25 10:28	1
Chlorodibromomethane	ND		0.00434	0.00104	mg/Kg	✳	04/02/25 08:15	04/02/25 10:28	1
1,2-Dibromo-3-Chloropropane	ND		0.00434	0.00287	mg/Kg	✳	04/02/25 08:15	04/02/25 10:28	1
Ethylene Dibromide	ND		0.00434	0.000868	mg/Kg	✳	04/02/25 08:15	04/02/25 10:28	1
Dibromomethane	ND		0.00434	0.000721	mg/Kg	✳	04/02/25 08:15	04/02/25 10:28	1
1,2-Dichlorobenzene	ND		0.00434	0.00138	mg/Kg	✳	04/02/25 08:15	04/02/25 10:28	1
1,3-Dichlorobenzene	ND		0.00434	0.000825	mg/Kg	✳	04/02/25 08:15	04/02/25 10:28	1
1,4-Dichlorobenzene	ND		0.00434	0.000747	mg/Kg	✳	04/02/25 08:15	04/02/25 10:28	1
trans-1,4-Dichloro-2-butene	ND		0.00434	0.00217	mg/Kg	✳	04/02/25 08:15	04/02/25 10:28	1
1,1-Dichloroethane	ND		0.00434	0.000721	mg/Kg	✳	04/02/25 08:15	04/02/25 10:28	1
1,2-Dichloroethane	ND		0.00434	0.00160	mg/Kg	✳	04/02/25 08:15	04/02/25 10:28	1
cis-1,2-Dichloroethene	ND		0.00434	0.000660	mg/Kg	✳	04/02/25 08:15	04/02/25 10:28	1
trans-1,2-Dichloroethene	ND		0.00434	0.000834	mg/Kg	✳	04/02/25 08:15	04/02/25 10:28	1
1,1-Dichloroethene	ND		0.00434	0.00182	mg/Kg	✳	04/02/25 08:15	04/02/25 10:28	1
1,2-Dichloropropane	ND		0.00434	0.000660	mg/Kg	✳	04/02/25 08:15	04/02/25 10:28	1
1,3-Dichloropropane	ND		0.00434	0.000868	mg/Kg	✳	04/02/25 08:15	04/02/25 10:28	1
2,2-Dichloropropane	ND		0.00434	0.000955	mg/Kg	✳	04/02/25 08:15	04/02/25 10:28	1
1,1-Dichloropropene	ND		0.00434	0.000721	mg/Kg	✳	04/02/25 08:15	04/02/25 10:28	1
cis-1,3-Dichloropropene	ND		0.00434	0.00104	mg/Kg	✳	04/02/25 08:15	04/02/25 10:28	1
trans-1,3-Dichloropropene	ND		0.00434	0.000955	mg/Kg	✳	04/02/25 08:15	04/02/25 10:28	1
Ethylbenzene	ND		0.00434	0.000530	mg/Kg	✳	04/02/25 08:15	04/02/25 10:28	1
Hexachlorobutadiene	ND		0.00434	0.00217	mg/Kg	✳	04/02/25 08:15	04/02/25 10:28	1
2-Hexanone	ND		0.0217	0.00434	mg/Kg	✳	04/02/25 08:15	04/02/25 10:28	1
Iodomethane	ND		0.00434	0.00295	mg/Kg	✳	04/02/25 08:15	04/02/25 10:28	1
Isopropylbenzene	ND		0.00434	0.000590	mg/Kg	✳	04/02/25 08:15	04/02/25 10:28	1
4-Isopropyltoluene	ND		0.00434	0.000868	mg/Kg	✳	04/02/25 08:15	04/02/25 10:28	1
Methylene Chloride	ND		0.0130	0.00868	mg/Kg	✳	04/02/25 08:15	04/02/25 10:28	1
4-Methyl-2-pentanone (MIBK)	ND		0.0217	0.0117	mg/Kg	✳	04/02/25 08:15	04/02/25 10:28	1
Methyl tert-butyl ether	ND		0.00434	0.000868	mg/Kg	✳	04/02/25 08:15	04/02/25 10:28	1
Naphthalene	ND		0.00434	0.00260	mg/Kg	✳	04/02/25 08:15	04/02/25 10:28	1
N-Propylbenzene	ND		0.00434	0.000781	mg/Kg	✳	04/02/25 08:15	04/02/25 10:28	1
Styrene	ND		0.00434	0.000868	mg/Kg	✳	04/02/25 08:15	04/02/25 10:28	1
1,1,1,2-Tetrachloroethane	ND		0.00434	0.000955	mg/Kg	✳	04/02/25 08:15	04/02/25 10:28	1
1,1,1,2,2-Tetrachloroethane	ND		0.00434	0.00149	mg/Kg	✳	04/02/25 08:15	04/02/25 10:28	1

Eurofins Raleigh

Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SED-1
Date Collected: 03/19/25 13:00
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-13
Matrix: Solid
Percent Solids: 89.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		0.00434	0.00260	mg/Kg	✱	04/02/25 08:15	04/02/25 10:28	1
Toluene	ND		0.00434	0.000868	mg/Kg	✱	04/02/25 08:15	04/02/25 10:28	1
1,2,3-Trichlorobenzene	ND		0.00434	0.000955	mg/Kg	✱	04/02/25 08:15	04/02/25 10:28	1
1,2,4-Trichlorobenzene	ND		0.00434	0.00175	mg/Kg	✱	04/02/25 08:15	04/02/25 10:28	1
1,1,1-Trichloroethane	ND		0.00434	0.000955	mg/Kg	✱	04/02/25 08:15	04/02/25 10:28	1
1,1,2-Trichloroethane	ND		0.00434	0.00140	mg/Kg	✱	04/02/25 08:15	04/02/25 10:28	1
Trichloroethene	ND		0.00434	0.000868	mg/Kg	✱	04/02/25 08:15	04/02/25 10:28	1
Trichlorofluoromethane	ND		0.00434	0.00210	mg/Kg	✱	04/02/25 08:15	04/02/25 10:28	1
1,2,3-Trichloropropane	ND		0.00434	0.00181	mg/Kg	✱	04/02/25 08:15	04/02/25 10:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00434	0.00163	mg/Kg	✱	04/02/25 08:15	04/02/25 10:28	1
1,2,4-Trimethylbenzene	ND		0.00434	0.000868	mg/Kg	✱	04/02/25 08:15	04/02/25 10:28	1
1,3,5-Trimethylbenzene	ND		0.00434	0.000721	mg/Kg	✱	04/02/25 08:15	04/02/25 10:28	1
Vinyl acetate	ND		0.0217	0.00554	mg/Kg	✱	04/02/25 08:15	04/02/25 10:28	1
Vinyl chloride	ND		0.00434	0.00189	mg/Kg	✱	04/02/25 08:15	04/02/25 10:28	1
o-Xylene	ND		0.00434	0.00260	mg/Kg	✱	04/02/25 08:15	04/02/25 10:28	1
m-Xylene & p-Xylene	ND		0.00434	0.00260	mg/Kg	✱	04/02/25 08:15	04/02/25 10:28	1
Xylenes, Total	ND		0.00868	0.00521	mg/Kg	✱	04/02/25 08:15	04/02/25 10:28	1
Isopropyl ether	ND		0.00434	0.00120	mg/Kg	✱	04/02/25 08:15	04/02/25 10:28	1
Hexane	ND		0.00434	0.00226	mg/Kg	✱	04/02/25 08:15	04/02/25 10:28	1
n-Heptane	ND		0.00434	0.00251	mg/Kg	✱	04/02/25 08:15	04/02/25 10:28	1
Ethyl acetate	ND		0.0174	0.00434	mg/Kg	✱	04/02/25 08:15	04/02/25 10:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		50 - 150	04/02/25 08:15	04/02/25 10:28	1
Dibromofluoromethane	112		50 - 150	04/02/25 08:15	04/02/25 10:28	1
Toluene-d8 (Surr)	99		50 - 150	04/02/25 08:15	04/02/25 10:28	1
1,2-Dichloroethane-d4 (Surr)	121		50 - 150	04/02/25 08:15	04/02/25 10:28	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		0.0133	0.0133	mg/Kg	✱	03/31/25 11:20	04/02/25 15:33	10

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	68		10 - 150	03/31/25 11:20	04/02/25 15:33	10

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.80	0.453	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
2,4,5-Trichlorophenol	ND		1.80	0.551	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
2,4,6-Trichlorophenol	ND		1.80	0.572	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
2,4-Dichlorophenol	ND		1.80	0.382	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
2,4-Dimethylphenol	ND		1.80	0.512	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
2,4-Dinitrophenol	ND		5.40	1.58	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
2,4-Dinitrotoluene	ND		1.80	0.551	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
2-Chlorophenol	ND		1.80	0.660	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
2-Chloronaphthalene	ND		1.80	0.420	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
2-Methylnaphthalene	ND		1.80	0.594	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
2-Methylphenol	ND		1.80	0.436	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
2-Nitroaniline	ND		1.80	0.382	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
2-Nitrophenol	ND		1.80	0.643	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
3 & 4 Methylphenol	ND		3.60	0.420	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5

Eurofins Raleigh

Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SED-1
Date Collected: 03/19/25 13:00
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-13
Matrix: Solid
Percent Solids: 89.5

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	ND	F2 *+	1.80	0.600	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
3-Nitroaniline	ND	F2 F1	1.80	0.425	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
4,6-Dinitro-2-methylphenol	ND		1.80	1.31	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
4-Bromophenyl phenyl ether	ND		1.80	0.572	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
4-Chloro-3-methylphenol	ND		1.80	0.442	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
4-Chloroaniline	ND		1.80	0.442	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
4-Chlorophenyl phenyl ether	ND		1.80	0.180	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
4-Nitroaniline	ND		1.80	0.616	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
Acenaphthene	ND		1.80	0.442	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
Acenaphthylene	ND		1.80	0.480	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
Acetophenone	ND		1.80	0.512	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
Anthracene	ND		1.80	0.425	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
Benzo[a]anthracene	1.34	J	1.80	0.480	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
Benzo[a]pyrene	1.79	J	1.80	0.256	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
Benzo[b]fluoranthene	2.02	F1	1.80	0.540	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
Benzo[g,h,i]perylene	1.14	J F1 F2	1.80	0.600	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
Benzo[k]fluoranthene	0.932	J	1.80	0.425	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
Bis(2-chloroethoxy)methane	ND		1.80	0.398	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
Bis(2-chloroethyl)ether	ND		1.80	0.589	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
Bis(2-ethylhexyl) phthalate	ND		1.80	0.442	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
Chrysene	1.53	J	1.80	0.578	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
Dibenz(a,h)anthracene	ND	F2	1.80	0.692	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
Dibenzofuran	ND		1.80	0.453	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
Di-n-butyl phthalate	ND		1.80	0.529	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
Diethyl phthalate	ND		1.80	0.578	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
Dimethyl phthalate	ND		1.80	0.485	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
Di-n-octyl phthalate	ND		1.80	0.654	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
Fluoranthene	2.58		1.80	0.398	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
Fluorene	ND		1.80	0.491	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
Hexachlorobenzene	ND		1.80	0.545	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
Hexachlorobutadiene	ND		1.80	0.758	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
Hexachlorocyclopentadiene	ND	F1	1.80	0.360	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
Hexachloroethane	ND		1.80	0.829	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
Indeno[1,2,3-cd]pyrene	1.04	J F2 F1	1.80	0.725	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
Isophorone	ND		1.80	0.365	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
Naphthalene	ND		1.80	0.485	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
Nitrobenzene	ND		1.80	0.534	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
N-Nitrosodiphenylamine	ND		1.80	0.458	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
N-Nitrosodi-n-propylamine	ND		1.80	0.572	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
Pentachlorophenol	ND		3.60	0.872	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
Phenanthrene	1.41	J	1.80	0.442	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
Phenol	ND		1.80	0.485	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
Pyrene	2.29	F1	1.80	0.425	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
Butyl benzyl phthalate	ND		1.80	0.872	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
bis (2-chloroisopropyl) ether	ND		1.80	0.687	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
Carbazole	ND		1.80	0.611	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
2,6-Dinitrotoluene	ND		1.80	0.562	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
4-Nitrophenol	ND		1.80	1.64	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5
Atrazine	ND		1.80	0.491	mg/Kg	✱	03/25/25 16:37	04/01/25 14:50	5

Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SED-1
Date Collected: 03/19/25 13:00
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-13
Matrix: Solid
Percent Solids: 89.5

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	ND		1.80	0.731	mg/Kg	☼	03/25/25 16:37	04/01/25 14:50	5
Caprolactam	ND		1.80	0.458	mg/Kg	☼	03/25/25 16:37	04/01/25 14:50	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	149		10 - 150				03/25/25 16:37	04/01/25 14:50	5
2-Fluorobiphenyl (Surr)	76		27 - 127				03/25/25 16:37	04/01/25 14:50	5
2-Fluorophenol (Surr)	61		25 - 128				03/25/25 16:37	04/01/25 14:50	5
Terphenyl-d14 (Surr)	74		24 - 146				03/25/25 16:37	04/01/25 14:50	5
Phenol-d5 (Surr)	67		29 - 130				03/25/25 16:37	04/01/25 14:50	5
Nitrobenzene-d5 (Surr)	53		15 - 136				03/25/25 16:37	04/01/25 14:50	5

Method: SW846 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	1.06	J F1	2.23	0.736	mg/Kg	☼		03/24/25 18:23	1
Sulfate	ND		22.3	8.14	mg/Kg	☼		03/24/25 18:23	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.0326	J	0.185	0.00215	mg/Kg	☼	03/26/25 08:20	03/27/25 18:25	5
Arsenic	2.66		0.445	0.0397	mg/Kg	☼	03/26/25 08:20	03/27/25 18:25	5
Chromium	13.8		0.741	0.153	mg/Kg	☼	03/26/25 08:20	03/27/25 18:25	5
Copper	33.3		0.371	0.0385	mg/Kg	☼	03/26/25 08:20	03/27/25 18:25	5
Cadmium	0.202	J	0.371	0.0121	mg/Kg	☼	03/26/25 08:20	03/27/25 18:25	5
Cobalt	9.93		0.556	0.0210	mg/Kg	☼	03/26/25 08:20	03/27/25 18:25	5
Barium	70.0		1.85	0.0105	mg/Kg	☼	03/26/25 08:20	03/27/25 18:25	5
Beryllium	0.628		0.371	0.0260	mg/Kg	☼	03/26/25 08:20	03/27/25 18:25	5
Manganese	270		0.741	0.0456	mg/Kg	☼	03/26/25 08:20	03/27/25 18:25	5
Nickel	31.7		0.741	0.0194	mg/Kg	☼	03/26/25 08:20	03/27/25 18:25	5
Lead	60.5		0.371	0.0437	mg/Kg	☼	03/26/25 08:20	03/27/25 18:25	5
Antimony	ND		0.741	0.169	mg/Kg	☼	03/26/25 08:20	03/27/25 18:25	5
Selenium	1.11	J	1.85	0.132	mg/Kg	☼	03/26/25 08:20	03/27/25 18:25	5
Thallium	0.0532	J	0.519	0.0312	mg/Kg	☼	03/26/25 08:20	03/27/25 18:25	5
Vanadium	27.8		0.741	0.0930	mg/Kg	☼	03/26/25 08:20	03/27/25 18:25	5
Zinc	66.5		1.85	1.54	mg/Kg	☼	03/26/25 08:20	03/27/25 18:25	5

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0362	J	0.106	0.0154	mg/Kg	☼	03/27/25 14:14	03/28/25 08:52	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	0.670	J F1	1.08	0.346	mg/Kg	☼		03/31/25 16:34	1

Client Sample ID: SED-2
Date Collected: 03/19/25 12:00
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-14
Matrix: Solid
Percent Solids: 74.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0682		0.0328	0.0158	mg/Kg	☼	04/02/25 08:15	04/02/25 10:50	1
Benzene	ND		0.00656	0.000879	mg/Kg	☼	04/02/25 08:15	04/02/25 10:50	1

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Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SED-2

Lab Sample ID: 752-30758-14

Date Collected: 03/19/25 12:00

Matrix: Solid

Date Received: 03/20/25 09:08

Percent Solids: 74.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		0.00656	0.00171	mg/Kg	✳	04/02/25 08:15	04/02/25 10:50	1
Chlorobromomethane	ND		0.00656	0.00106	mg/Kg	✳	04/02/25 08:15	04/02/25 10:50	1
Dichlorobromomethane	ND		0.00656	0.00121	mg/Kg	✳	04/02/25 08:15	04/02/25 10:50	1
Bromoform	ND		0.00656	0.00171	mg/Kg	✳	04/02/25 08:15	04/02/25 10:50	1
Bromomethane	ND		0.00656	0.00328	mg/Kg	✳	04/02/25 08:15	04/02/25 10:50	1
2-Butanone (MEK)	0.00872	J	0.0328	0.00788	mg/Kg	✳	04/02/25 08:15	04/02/25 10:50	1
n-Butylbenzene	ND		0.00656	0.00126	mg/Kg	✳	04/02/25 08:15	04/02/25 10:50	1
sec-Butylbenzene	ND		0.00656	0.00125	mg/Kg	✳	04/02/25 08:15	04/02/25 10:50	1
tert-Butylbenzene	ND		0.00656	0.00144	mg/Kg	✳	04/02/25 08:15	04/02/25 10:50	1
Carbon disulfide	ND		0.00656	0.00332	mg/Kg	✳	04/02/25 08:15	04/02/25 10:50	1
Carbon tetrachloride	ND		0.00656	0.00223	mg/Kg	✳	04/02/25 08:15	04/02/25 10:50	1
Chlorobenzene	ND		0.00656	0.00173	mg/Kg	✳	04/02/25 08:15	04/02/25 10:50	1
Chloroethane	ND		0.00656	0.00433	mg/Kg	✳	04/02/25 08:15	04/02/25 10:50	1
Chloroform	ND		0.00656	0.00179	mg/Kg	✳	04/02/25 08:15	04/02/25 10:50	1
Chloromethane	ND		0.00656	0.00290	mg/Kg	✳	04/02/25 08:15	04/02/25 10:50	1
2-Chlorotoluene	ND		0.00656	0.00218	mg/Kg	✳	04/02/25 08:15	04/02/25 10:50	1
4-Chlorotoluene	ND		0.00656	0.00129	mg/Kg	✳	04/02/25 08:15	04/02/25 10:50	1
Chlorodibromomethane	ND		0.00656	0.00158	mg/Kg	✳	04/02/25 08:15	04/02/25 10:50	1
1,2-Dibromo-3-Chloropropane	ND		0.00656	0.00433	mg/Kg	✳	04/02/25 08:15	04/02/25 10:50	1
Ethylene Dibromide	ND		0.00656	0.00131	mg/Kg	✳	04/02/25 08:15	04/02/25 10:50	1
Dibromomethane	ND		0.00656	0.00109	mg/Kg	✳	04/02/25 08:15	04/02/25 10:50	1
1,2-Dichlorobenzene	ND		0.00656	0.00209	mg/Kg	✳	04/02/25 08:15	04/02/25 10:50	1
1,3-Dichlorobenzene	ND		0.00656	0.00125	mg/Kg	✳	04/02/25 08:15	04/02/25 10:50	1
1,4-Dichlorobenzene	ND		0.00656	0.00113	mg/Kg	✳	04/02/25 08:15	04/02/25 10:50	1
trans-1,4-Dichloro-2-butene	ND		0.00656	0.00328	mg/Kg	✳	04/02/25 08:15	04/02/25 10:50	1
1,1-Dichloroethane	ND		0.00656	0.00109	mg/Kg	✳	04/02/25 08:15	04/02/25 10:50	1
1,2-Dichloroethane	ND		0.00656	0.00242	mg/Kg	✳	04/02/25 08:15	04/02/25 10:50	1
cis-1,2-Dichloroethene	ND		0.00656	0.000998	mg/Kg	✳	04/02/25 08:15	04/02/25 10:50	1
trans-1,2-Dichloroethene	ND		0.00656	0.00126	mg/Kg	✳	04/02/25 08:15	04/02/25 10:50	1
1,1-Dichloroethene	ND		0.00656	0.00276	mg/Kg	✳	04/02/25 08:15	04/02/25 10:50	1
1,2-Dichloropropane	ND		0.00656	0.000998	mg/Kg	✳	04/02/25 08:15	04/02/25 10:50	1
1,3-Dichloropropane	ND		0.00656	0.00131	mg/Kg	✳	04/02/25 08:15	04/02/25 10:50	1
2,2-Dichloropropane	ND		0.00656	0.00144	mg/Kg	✳	04/02/25 08:15	04/02/25 10:50	1
1,1-Dichloropropene	ND		0.00656	0.00109	mg/Kg	✳	04/02/25 08:15	04/02/25 10:50	1
cis-1,3-Dichloropropene	ND		0.00656	0.00158	mg/Kg	✳	04/02/25 08:15	04/02/25 10:50	1
trans-1,3-Dichloropropene	ND		0.00656	0.00144	mg/Kg	✳	04/02/25 08:15	04/02/25 10:50	1
Ethylbenzene	ND		0.00656	0.000801	mg/Kg	✳	04/02/25 08:15	04/02/25 10:50	1
Hexachlorobutadiene	ND		0.00656	0.00328	mg/Kg	✳	04/02/25 08:15	04/02/25 10:50	1
2-Hexanone	ND		0.0328	0.00656	mg/Kg	✳	04/02/25 08:15	04/02/25 10:50	1
Iodomethane	ND		0.00656	0.00446	mg/Kg	✳	04/02/25 08:15	04/02/25 10:50	1
Isopropylbenzene	ND		0.00656	0.000893	mg/Kg	✳	04/02/25 08:15	04/02/25 10:50	1
4-Isopropyltoluene	ND		0.00656	0.00131	mg/Kg	✳	04/02/25 08:15	04/02/25 10:50	1
Methylene Chloride	ND		0.0197	0.0131	mg/Kg	✳	04/02/25 08:15	04/02/25 10:50	1
4-Methyl-2-pentanone (MIBK)	ND		0.0328	0.0176	mg/Kg	✳	04/02/25 08:15	04/02/25 10:50	1
Methyl tert-butyl ether	ND		0.00656	0.00131	mg/Kg	✳	04/02/25 08:15	04/02/25 10:50	1
Naphthalene	ND		0.00656	0.00394	mg/Kg	✳	04/02/25 08:15	04/02/25 10:50	1
N-Propylbenzene	ND		0.00656	0.00118	mg/Kg	✳	04/02/25 08:15	04/02/25 10:50	1
Styrene	ND		0.00656	0.00131	mg/Kg	✳	04/02/25 08:15	04/02/25 10:50	1
1,1,1,2-Tetrachloroethane	ND		0.00656	0.00144	mg/Kg	✳	04/02/25 08:15	04/02/25 10:50	1

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Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SED-2

Lab Sample ID: 752-30758-14

Date Collected: 03/19/25 12:00

Matrix: Solid

Date Received: 03/20/25 09:08

Percent Solids: 74.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.00656	0.00226	mg/Kg	✱	04/02/25 08:15	04/02/25 10:50	1
Tetrachloroethene	ND		0.00656	0.00394	mg/Kg	✱	04/02/25 08:15	04/02/25 10:50	1
Toluene	ND		0.00656	0.00131	mg/Kg	✱	04/02/25 08:15	04/02/25 10:50	1
1,2,3-Trichlorobenzene	ND		0.00656	0.00144	mg/Kg	✱	04/02/25 08:15	04/02/25 10:50	1
1,2,4-Trichlorobenzene	ND		0.00656	0.00264	mg/Kg	✱	04/02/25 08:15	04/02/25 10:50	1
1,1,1-Trichloroethane	ND		0.00656	0.00144	mg/Kg	✱	04/02/25 08:15	04/02/25 10:50	1
1,1,2-Trichloroethane	ND		0.00656	0.00211	mg/Kg	✱	04/02/25 08:15	04/02/25 10:50	1
Trichloroethene	ND		0.00656	0.00131	mg/Kg	✱	04/02/25 08:15	04/02/25 10:50	1
Trichlorofluoromethane	ND		0.00656	0.00318	mg/Kg	✱	04/02/25 08:15	04/02/25 10:50	1
1,2,3-Trichloropropane	ND		0.00656	0.00273	mg/Kg	✱	04/02/25 08:15	04/02/25 10:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00656	0.00247	mg/Kg	✱	04/02/25 08:15	04/02/25 10:50	1
1,2,4-Trimethylbenzene	ND		0.00656	0.00131	mg/Kg	✱	04/02/25 08:15	04/02/25 10:50	1
1,3,5-Trimethylbenzene	ND		0.00656	0.00109	mg/Kg	✱	04/02/25 08:15	04/02/25 10:50	1
Vinyl acetate	ND		0.0328	0.00837	mg/Kg	✱	04/02/25 08:15	04/02/25 10:50	1
Vinyl chloride	ND		0.00656	0.00286	mg/Kg	✱	04/02/25 08:15	04/02/25 10:50	1
o-Xylene	ND		0.00656	0.00394	mg/Kg	✱	04/02/25 08:15	04/02/25 10:50	1
m-Xylene & p-Xylene	ND		0.00656	0.00394	mg/Kg	✱	04/02/25 08:15	04/02/25 10:50	1
Xylenes, Total	ND		0.0131	0.00788	mg/Kg	✱	04/02/25 08:15	04/02/25 10:50	1
Isopropyl ether	ND		0.00656	0.00181	mg/Kg	✱	04/02/25 08:15	04/02/25 10:50	1
Hexane	ND		0.00656	0.00341	mg/Kg	✱	04/02/25 08:15	04/02/25 10:50	1
n-Heptane	ND		0.00656	0.00379	mg/Kg	✱	04/02/25 08:15	04/02/25 10:50	1
Ethyl acetate	ND		0.0263	0.00656	mg/Kg	✱	04/02/25 08:15	04/02/25 10:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		50 - 150	04/02/25 08:15	04/02/25 10:50	1
Dibromofluoromethane	115		50 - 150	04/02/25 08:15	04/02/25 10:50	1
Toluene-d8 (Surr)	100		50 - 150	04/02/25 08:15	04/02/25 10:50	1
1,2-Dichloroethane-d4 (Surr)	122		50 - 150	04/02/25 08:15	04/02/25 10:50	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		0.00750	0.00750	mg/Kg	✱	03/31/25 11:20	04/02/25 15:54	5

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	57		10 - 150	03/31/25 11:20	04/02/25 15:54	5

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.864	0.217	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
2,4,5-Trichlorophenol	ND		0.864	0.264	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
2,4,6-Trichlorophenol	ND		0.864	0.275	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
2,4-Dichlorophenol	ND		0.864	0.183	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
2,4-Dimethylphenol	ND		0.864	0.246	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
2,4-Dinitrophenol	ND		2.59	0.759	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
2,4-Dinitrotoluene	ND		0.864	0.264	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
2-Chlorophenol	ND		0.864	0.317	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
2-Chloronaphthalene	ND		0.864	0.202	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
2-Methylnaphthalene	ND		0.864	0.285	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
2-Methylphenol	ND		0.864	0.209	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
2-Nitroaniline	ND		0.864	0.183	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
2-Nitrophenol	ND		0.864	0.309	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2

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Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SED-2

Lab Sample ID: 752-30758-14

Date Collected: 03/19/25 12:00

Matrix: Solid

Date Received: 03/20/25 09:08

Percent Solids: 74.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3 & 4 Methylphenol	ND		1.73	0.202	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
3,3'-Dichlorobenzidine	ND	*+	0.864	0.288	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
3-Nitroaniline	ND		0.864	0.204	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
4,6-Dinitro-2-methylphenol	ND		0.864	0.628	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
4-Bromophenyl phenyl ether	ND		0.864	0.275	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
4-Chloro-3-methylphenol	ND		0.864	0.212	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
4-Chloroaniline	ND		0.864	0.212	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
4-Chlorophenyl phenyl ether	ND		0.864	0.0864	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
4-Nitroaniline	ND		0.864	0.296	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
Acenaphthene	ND		0.864	0.212	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
Acenaphthylene	ND		0.864	0.230	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
Acetophenone	ND		0.864	0.246	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
Anthracene	ND		0.864	0.204	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
Benzo[a]anthracene	ND		0.864	0.230	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
Benzo[a]pyrene	ND	*3	0.864	0.123	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
Benzo[b]fluoranthene	ND	*3	0.864	0.259	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
Benzo[g,h,i]perylene	ND	*3	0.864	0.288	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
Benzo[k]fluoranthene	ND	*3	0.864	0.204	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
Bis(2-chloroethoxy)methane	ND		0.864	0.191	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
Bis(2-chloroethyl)ether	ND		0.864	0.283	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
Bis(2-ethylhexyl) phthalate	ND		0.864	0.212	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
Chrysene	ND		0.864	0.277	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
Dibenz(a,h)anthracene	ND	*3	0.864	0.332	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
Dibenzofuran	ND		0.864	0.217	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
Di-n-butyl phthalate	ND		0.864	0.254	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
Diethyl phthalate	ND		0.864	0.277	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
Dimethyl phthalate	ND		0.864	0.233	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
Di-n-octyl phthalate	ND		0.864	0.314	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
Fluoranthene	ND		0.864	0.191	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
Fluorene	ND		0.864	0.236	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
Hexachlorobenzene	ND		0.864	0.262	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
Hexachlorobutadiene	ND		0.864	0.364	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
Hexachlorocyclopentadiene	ND		0.864	0.173	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
Hexachloroethane	ND		0.864	0.398	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
Indeno[1,2,3-cd]pyrene	ND	*3	0.864	0.348	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
Isophorone	ND		0.864	0.175	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
Naphthalene	ND		0.864	0.233	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
Nitrobenzene	ND		0.864	0.257	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
N-Nitrosodiphenylamine	ND		0.864	0.220	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
N-Nitrosodi-n-propylamine	ND		0.864	0.275	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
Pentachlorophenol	ND		1.73	0.419	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
Phenanthrene	ND		0.864	0.212	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
Phenol	ND		0.864	0.233	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
Pyrene	ND		0.864	0.204	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
Butyl benzyl phthalate	ND		0.864	0.419	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
bis (2-chloroisopropyl) ether	ND		0.864	0.330	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
Carbazole	ND		0.864	0.293	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
2,6-Dinitrotoluene	ND		0.864	0.270	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2
4-Nitrophenol	ND		0.864	0.785	mg/Kg	✱	03/25/25 16:37	03/28/25 18:53	2

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Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SED-2
Date Collected: 03/19/25 12:00
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-14
Matrix: Solid
Percent Solids: 74.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	ND		0.864	0.236	mg/Kg	✳	03/25/25 16:37	03/28/25 18:53	2
Benzaldehyde	ND		0.864	0.351	mg/Kg	✳	03/25/25 16:37	03/28/25 18:53	2
Caprolactam	ND		0.864	0.220	mg/Kg	✳	03/25/25 16:37	03/28/25 18:53	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	120		10 - 150				03/25/25 16:37	03/28/25 18:53	2
2-Fluorobiphenyl (Surr)	56		27 - 127				03/25/25 16:37	03/28/25 18:53	2
2-Fluorophenol (Surr)	52		25 - 128				03/25/25 16:37	03/28/25 18:53	2
Terphenyl-d14 (Surr)	68		24 - 146				03/25/25 16:37	03/28/25 18:53	2
Phenol-d5 (Surr)	50		29 - 130				03/25/25 16:37	03/28/25 18:53	2
Nitrobenzene-d5 (Surr)	39		15 - 136				03/25/25 16:37	03/28/25 18:53	2

Method: SW846 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		2.66	0.879	mg/Kg	✳		03/24/25 18:48	1
Sulfate	11.8	J	26.6	9.72	mg/Kg	✳		03/24/25 18:48	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.0485	J	0.214	0.00248	mg/Kg	✳	03/26/25 08:20	03/27/25 18:28	5
Arsenic	1.14		0.513	0.0458	mg/Kg	✳	03/26/25 08:20	03/27/25 18:28	5
Chromium	6.52		0.855	0.176	mg/Kg	✳	03/26/25 08:20	03/27/25 18:28	5
Copper	28.8		0.428	0.0445	mg/Kg	✳	03/26/25 08:20	03/27/25 18:28	5
Cadmium	0.187	J	0.428	0.0139	mg/Kg	✳	03/26/25 08:20	03/27/25 18:28	5
Cobalt	3.11		0.641	0.0242	mg/Kg	✳	03/26/25 08:20	03/27/25 18:28	5
Barium	36.2		2.14	0.0121	mg/Kg	✳	03/26/25 08:20	03/27/25 18:28	5
Beryllium	0.200	J	0.428	0.0300	mg/Kg	✳	03/26/25 08:20	03/27/25 18:28	5
Manganese	157		0.855	0.0526	mg/Kg	✳	03/26/25 08:20	03/27/25 18:28	5
Nickel	8.71		0.855	0.0224	mg/Kg	✳	03/26/25 08:20	03/27/25 18:28	5
Lead	41.0		0.428	0.0505	mg/Kg	✳	03/26/25 08:20	03/27/25 18:28	5
Antimony	0.243	J	0.855	0.195	mg/Kg	✳	03/26/25 08:20	03/27/25 18:28	5
Selenium	ND		2.14	0.152	mg/Kg	✳	03/26/25 08:20	03/27/25 18:28	5
Thallium	ND		0.599	0.0360	mg/Kg	✳	03/26/25 08:20	03/27/25 18:28	5
Vanadium	12.5		0.855	0.107	mg/Kg	✳	03/26/25 08:20	03/27/25 18:28	5
Zinc	93.0		2.14	1.77	mg/Kg	✳	03/26/25 08:20	03/27/25 18:28	5

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0263	J	0.130	0.0189	mg/Kg	✳	03/27/25 14:14	03/28/25 09:08	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		1.29	0.412	mg/Kg	✳		03/31/25 16:34	1

Client Sample ID: SED-3
Date Collected: 03/19/25 11:15
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-15
Matrix: Solid
Percent Solids: 76.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0170	J	0.0326	0.0157	mg/Kg	✳	03/30/25 11:06	03/30/25 18:33	1

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Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SED-3

Lab Sample ID: 752-30758-15

Date Collected: 03/19/25 11:15

Matrix: Solid

Date Received: 03/20/25 09:08

Percent Solids: 76.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00652	0.000874	mg/Kg	✳	03/30/25 11:06	03/30/25 18:33	1
Bromobenzene	ND		0.00652	0.00170	mg/Kg	✳	03/30/25 11:06	03/30/25 18:33	1
Chlorobromomethane	ND		0.00652	0.00106	mg/Kg	✳	03/30/25 11:06	03/30/25 18:33	1
Dichlorobromomethane	ND		0.00652	0.00120	mg/Kg	✳	03/30/25 11:06	03/30/25 18:33	1
Bromoform	ND		0.00652	0.00170	mg/Kg	✳	03/30/25 11:06	03/30/25 18:33	1
Bromomethane	ND		0.00652	0.00326	mg/Kg	✳	03/30/25 11:06	03/30/25 18:33	1
2-Butanone (MEK)	ND		0.0326	0.00783	mg/Kg	✳	03/30/25 11:06	03/30/25 18:33	1
n-Butylbenzene	ND		0.00652	0.00125	mg/Kg	✳	03/30/25 11:06	03/30/25 18:33	1
sec-Butylbenzene	ND		0.00652	0.00124	mg/Kg	✳	03/30/25 11:06	03/30/25 18:33	1
tert-Butylbenzene	ND		0.00652	0.00143	mg/Kg	✳	03/30/25 11:06	03/30/25 18:33	1
Carbon disulfide	ND		0.00652	0.00330	mg/Kg	✳	03/30/25 11:06	03/30/25 18:33	1
Carbon tetrachloride	ND	*+	0.00652	0.00222	mg/Kg	✳	03/30/25 11:06	03/30/25 18:33	1
Chlorobenzene	ND		0.00652	0.00172	mg/Kg	✳	03/30/25 11:06	03/30/25 18:33	1
Chloroethane	ND		0.00652	0.00430	mg/Kg	✳	03/30/25 11:06	03/30/25 18:33	1
Chloroform	ND		0.00652	0.00177	mg/Kg	✳	03/30/25 11:06	03/30/25 18:33	1
Chloromethane	ND		0.00652	0.00288	mg/Kg	✳	03/30/25 11:06	03/30/25 18:33	1
2-Chlorotoluene	ND		0.00652	0.00217	mg/Kg	✳	03/30/25 11:06	03/30/25 18:33	1
4-Chlorotoluene	ND		0.00652	0.00128	mg/Kg	✳	03/30/25 11:06	03/30/25 18:33	1
Chlorodibromomethane	ND		0.00652	0.00157	mg/Kg	✳	03/30/25 11:06	03/30/25 18:33	1
1,2-Dibromo-3-Chloropropane	ND		0.00652	0.00430	mg/Kg	✳	03/30/25 11:06	03/30/25 18:33	1
Ethylene Dibromide	ND		0.00652	0.00130	mg/Kg	✳	03/30/25 11:06	03/30/25 18:33	1
Dibromomethane	ND		0.00652	0.00108	mg/Kg	✳	03/30/25 11:06	03/30/25 18:33	1
1,2-Dichlorobenzene	ND		0.00652	0.00207	mg/Kg	✳	03/30/25 11:06	03/30/25 18:33	1
1,3-Dichlorobenzene	ND		0.00652	0.00124	mg/Kg	✳	03/30/25 11:06	03/30/25 18:33	1
1,4-Dichlorobenzene	ND		0.00652	0.00112	mg/Kg	✳	03/30/25 11:06	03/30/25 18:33	1
trans-1,4-Dichloro-2-butene	ND		0.00652	0.00326	mg/Kg	✳	03/30/25 11:06	03/30/25 18:33	1
1,1-Dichloroethane	ND		0.00652	0.00108	mg/Kg	✳	03/30/25 11:06	03/30/25 18:33	1
1,2-Dichloroethane	ND		0.00652	0.00240	mg/Kg	✳	03/30/25 11:06	03/30/25 18:33	1
cis-1,2-Dichloroethene	ND		0.00652	0.000991	mg/Kg	✳	03/30/25 11:06	03/30/25 18:33	1
trans-1,2-Dichloroethene	ND		0.00652	0.00125	mg/Kg	✳	03/30/25 11:06	03/30/25 18:33	1
1,1-Dichloroethene	ND		0.00652	0.00274	mg/Kg	✳	03/30/25 11:06	03/30/25 18:33	1
1,2-Dichloropropane	ND		0.00652	0.000991	mg/Kg	✳	03/30/25 11:06	03/30/25 18:33	1
1,3-Dichloropropane	ND		0.00652	0.00130	mg/Kg	✳	03/30/25 11:06	03/30/25 18:33	1
2,2-Dichloropropane	ND		0.00652	0.00143	mg/Kg	✳	03/30/25 11:06	03/30/25 18:33	1
1,1-Dichloropropene	ND		0.00652	0.00108	mg/Kg	✳	03/30/25 11:06	03/30/25 18:33	1
cis-1,3-Dichloropropene	ND		0.00652	0.00157	mg/Kg	✳	03/30/25 11:06	03/30/25 18:33	1
trans-1,3-Dichloropropene	ND		0.00652	0.00143	mg/Kg	✳	03/30/25 11:06	03/30/25 18:33	1
Ethylbenzene	ND		0.00652	0.000796	mg/Kg	✳	03/30/25 11:06	03/30/25 18:33	1
Hexachlorobutadiene	ND	*+	0.00652	0.00326	mg/Kg	✳	03/30/25 11:06	03/30/25 18:33	1
2-Hexanone	ND		0.0326	0.00652	mg/Kg	✳	03/30/25 11:06	03/30/25 18:33	1
Iodomethane	ND		0.00652	0.00443	mg/Kg	✳	03/30/25 11:06	03/30/25 18:33	1
Isopropylbenzene	ND		0.00652	0.000887	mg/Kg	✳	03/30/25 11:06	03/30/25 18:33	1
4-Isopropyltoluene	ND		0.00652	0.00130	mg/Kg	✳	03/30/25 11:06	03/30/25 18:33	1
Methylene Chloride	ND		0.0196	0.0130	mg/Kg	✳	03/30/25 11:06	03/30/25 18:33	1
4-Methyl-2-pentanone (MIBK)	ND		0.0326	0.0175	mg/Kg	✳	03/30/25 11:06	03/30/25 18:33	1
Methyl tert-butyl ether	ND		0.00652	0.00130	mg/Kg	✳	03/30/25 11:06	03/30/25 18:33	1
Naphthalene	ND		0.00652	0.00391	mg/Kg	✳	03/30/25 11:06	03/30/25 18:33	1
N-Propylbenzene	ND		0.00652	0.00117	mg/Kg	✳	03/30/25 11:06	03/30/25 18:33	1
Styrene	ND		0.00652	0.00130	mg/Kg	✳	03/30/25 11:06	03/30/25 18:33	1

Eurofins Raleigh

Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SED-3
Date Collected: 03/19/25 11:15
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-15
Matrix: Solid
Percent Solids: 76.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.00652	0.00143	mg/Kg	☼	03/30/25 11:06	03/30/25 18:33	1
1,1,1,2,2-Tetrachloroethane	ND		0.00652	0.00224	mg/Kg	☼	03/30/25 11:06	03/30/25 18:33	1
Tetrachloroethene	ND		0.00652	0.00391	mg/Kg	☼	03/30/25 11:06	03/30/25 18:33	1
Toluene	ND		0.00652	0.00130	mg/Kg	☼	03/30/25 11:06	03/30/25 18:33	1
1,2,3-Trichlorobenzene	ND		0.00652	0.00143	mg/Kg	☼	03/30/25 11:06	03/30/25 18:33	1
1,2,4-Trichlorobenzene	ND		0.00652	0.00262	mg/Kg	☼	03/30/25 11:06	03/30/25 18:33	1
1,1,1-Trichloroethane	ND	*+	0.00652	0.00143	mg/Kg	☼	03/30/25 11:06	03/30/25 18:33	1
1,1,2-Trichloroethane	ND		0.00652	0.00210	mg/Kg	☼	03/30/25 11:06	03/30/25 18:33	1
Trichloroethene	ND		0.00652	0.00130	mg/Kg	☼	03/30/25 11:06	03/30/25 18:33	1
Trichlorofluoromethane	ND		0.00652	0.00316	mg/Kg	☼	03/30/25 11:06	03/30/25 18:33	1
1,2,3-Trichloropropane	ND		0.00652	0.00271	mg/Kg	☼	03/30/25 11:06	03/30/25 18:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00652	0.00245	mg/Kg	☼	03/30/25 11:06	03/30/25 18:33	1
1,2,4-Trimethylbenzene	ND		0.00652	0.00130	mg/Kg	☼	03/30/25 11:06	03/30/25 18:33	1
1,3,5-Trimethylbenzene	ND		0.00652	0.00108	mg/Kg	☼	03/30/25 11:06	03/30/25 18:33	1
Vinyl acetate	ND		0.0326	0.00832	mg/Kg	☼	03/30/25 11:06	03/30/25 18:33	1
Vinyl chloride	ND		0.00652	0.00284	mg/Kg	☼	03/30/25 11:06	03/30/25 18:33	1
o-Xylene	ND		0.00652	0.00391	mg/Kg	☼	03/30/25 11:06	03/30/25 18:33	1
m-Xylene & p-Xylene	ND		0.00652	0.00391	mg/Kg	☼	03/30/25 11:06	03/30/25 18:33	1
Xylenes, Total	ND		0.0130	0.00783	mg/Kg	☼	03/30/25 11:06	03/30/25 18:33	1
Isopropyl ether	ND		0.00652	0.00180	mg/Kg	☼	03/30/25 11:06	03/30/25 18:33	1
Hexane	ND		0.00652	0.00339	mg/Kg	☼	03/30/25 11:06	03/30/25 18:33	1
n-Heptane	ND		0.00652	0.00377	mg/Kg	☼	03/30/25 11:06	03/30/25 18:33	1
Ethyl acetate	ND		0.0261	0.00652	mg/Kg	☼	03/30/25 11:06	03/30/25 18:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	74		50 - 150	03/30/25 11:06	03/30/25 18:33	1
Dibromofluoromethane	121		50 - 150	03/30/25 11:06	03/30/25 18:33	1
Toluene-d8 (Surr)	88		50 - 150	03/30/25 11:06	03/30/25 18:33	1
1,2-Dichloroethane-d4 (Surr)	152	S1+	50 - 150	03/30/25 11:06	03/30/25 18:33	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		0.00735	0.00735	mg/Kg	☼	03/31/25 11:20	04/02/25 16:16	5

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	61		10 - 150	03/31/25 11:20	04/02/25 16:16	5

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.814	0.205	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
2,4,5-Trichlorophenol	ND		0.814	0.249	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
2,4,6-Trichlorophenol	ND		0.814	0.259	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
2,4-Dichlorophenol	ND		0.814	0.173	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
2,4-Dimethylphenol	ND		0.814	0.232	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
2,4-Dinitrophenol	ND		2.44	0.716	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
2,4-Dinitrotoluene	ND		0.814	0.249	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
2-Chlorophenol	ND		0.814	0.299	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
2-Chloronaphthalene	ND		0.814	0.190	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
2-Methylnaphthalene	ND		0.814	0.269	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
2-Methylphenol	ND		0.814	0.197	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
2-Nitroaniline	ND		0.814	0.173	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2

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Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SED-3

Lab Sample ID: 752-30758-15

Date Collected: 03/19/25 11:15

Matrix: Solid

Date Received: 03/20/25 09:08

Percent Solids: 76.7

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	ND		0.814	0.291	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
3 & 4 Methylphenol	ND		1.63	0.190	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
3,3'-Dichlorobenzidine	ND	*+	0.814	0.271	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
3-Nitroaniline	ND		0.814	0.192	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
4,6-Dinitro-2-methylphenol	ND		0.814	0.592	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
4-Bromophenyl phenyl ether	ND		0.814	0.259	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
4-Chloro-3-methylphenol	ND		0.814	0.200	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
4-Chloroaniline	ND		0.814	0.200	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
4-Chlorophenyl phenyl ether	ND		0.814	0.0814	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
4-Nitroaniline	ND		0.814	0.279	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
Acenaphthene	ND		0.814	0.200	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
Acenaphthylene	ND		0.814	0.217	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
Acetophenone	ND		0.814	0.232	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
Anthracene	ND		0.814	0.192	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
Benzo[a]anthracene	ND		0.814	0.217	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
Benzo[a]pyrene	ND	*3	0.814	0.116	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
Benzo[b]fluoranthene	ND	*3	0.814	0.244	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
Benzo[g,h,i]perylene	ND	*3	0.814	0.271	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
Benzo[k]fluoranthene	ND	*3	0.814	0.192	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
Bis(2-chloroethoxy)methane	ND		0.814	0.180	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
Bis(2-chloroethyl)ether	ND		0.814	0.267	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
Bis(2-ethylhexyl) phthalate	ND		0.814	0.200	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
Chrysene	ND		0.814	0.262	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
Dibenz(a,h)anthracene	ND	*3	0.814	0.313	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
Dibenzofuran	ND		0.814	0.205	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
Di-n-butyl phthalate	ND		0.814	0.239	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
Diethyl phthalate	ND		0.814	0.262	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
Dimethyl phthalate	ND		0.814	0.220	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
Di-n-octyl phthalate	ND		0.814	0.296	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
Fluoranthene	0.498	J	0.814	0.180	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
Fluorene	ND		0.814	0.222	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
Hexachlorobenzene	ND		0.814	0.247	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
Hexachlorobutadiene	ND		0.814	0.343	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
Hexachlorocyclopentadiene	ND		0.814	0.163	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
Hexachloroethane	ND		0.814	0.375	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
Indeno[1,2,3-cd]pyrene	ND	*3	0.814	0.328	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
Isophorone	ND		0.814	0.165	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
Naphthalene	ND		0.814	0.220	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
Nitrobenzene	ND		0.814	0.242	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
N-Nitrosodiphenylamine	ND		0.814	0.207	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
N-Nitrosodi-n-propylamine	ND		0.814	0.259	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
Pentachlorophenol	ND		1.63	0.395	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
Phenanthrene	ND		0.814	0.200	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
Phenol	ND		0.814	0.220	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
Pyrene	0.411	J	0.814	0.192	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
Butyl benzyl phthalate	ND		0.814	0.395	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
bis (2-chloroisopropyl) ether	ND		0.814	0.311	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
Carbazole	ND		0.814	0.276	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
2,6-Dinitrotoluene	ND		0.814	0.254	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2

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Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SED-3

Lab Sample ID: 752-30758-15

Date Collected: 03/19/25 11:15

Matrix: Solid

Date Received: 03/20/25 09:08

Percent Solids: 76.7

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		0.814	0.740	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
Atrazine	ND		0.814	0.222	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
Benzaldehyde	ND		0.814	0.331	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2
Caprolactam	ND		0.814	0.207	mg/Kg	☼	03/25/25 16:37	03/28/25 19:18	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	121		10 - 150	03/25/25 16:37	03/28/25 19:18	2
2-Fluorobiphenyl (Surr)	63		27 - 127	03/25/25 16:37	03/28/25 19:18	2
2-Fluorophenol (Surr)	58		25 - 128	03/25/25 16:37	03/28/25 19:18	2
Terphenyl-d14 (Surr)	82		24 - 146	03/25/25 16:37	03/28/25 19:18	2
Phenol-d5 (Surr)	56		29 - 130	03/25/25 16:37	03/28/25 19:18	2
Nitrobenzene-d5 (Surr)	43		15 - 136	03/25/25 16:37	03/28/25 19:18	2

Method: SW846 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		2.58	0.853	mg/Kg	☼		03/24/25 18:57	1
Sulfate	ND		25.8	9.43	mg/Kg	☼		03/24/25 18:57	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.0193	J	0.217	0.00251	mg/Kg	☼	03/26/25 08:20	03/27/25 18:30	5
Arsenic	0.453	J	0.520	0.0463	mg/Kg	☼	03/26/25 08:20	03/27/25 18:30	5
Chromium	2.88		0.866	0.178	mg/Kg	☼	03/26/25 08:20	03/27/25 18:30	5
Copper	6.24		0.433	0.0450	mg/Kg	☼	03/26/25 08:20	03/27/25 18:30	5
Cadmium	0.0424	J	0.433	0.0141	mg/Kg	☼	03/26/25 08:20	03/27/25 18:30	5
Cobalt	1.14		0.650	0.0245	mg/Kg	☼	03/26/25 08:20	03/27/25 18:30	5
Barium	14.6		2.17	0.0123	mg/Kg	☼	03/26/25 08:20	03/27/25 18:30	5
Beryllium	0.137	J	0.433	0.0304	mg/Kg	☼	03/26/25 08:20	03/27/25 18:30	5
Manganese	52.8		0.866	0.0533	mg/Kg	☼	03/26/25 08:20	03/27/25 18:30	5
Nickel	3.04		0.866	0.0227	mg/Kg	☼	03/26/25 08:20	03/27/25 18:30	5
Lead	11.1		0.433	0.0511	mg/Kg	☼	03/26/25 08:20	03/27/25 18:30	5
Antimony	ND		0.866	0.198	mg/Kg	☼	03/26/25 08:20	03/27/25 18:30	5
Selenium	ND		2.17	0.154	mg/Kg	☼	03/26/25 08:20	03/27/25 18:30	5
Thallium	ND		0.606	0.0365	mg/Kg	☼	03/26/25 08:20	03/27/25 18:30	5
Vanadium	5.34		0.866	0.109	mg/Kg	☼	03/26/25 08:20	03/27/25 18:30	5
Zinc	28.7		2.17	1.80	mg/Kg	☼	03/26/25 08:20	03/27/25 18:30	5

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.127	0.0185	mg/Kg	☼	03/27/25 14:14	03/28/25 09:12	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		1.31	0.418	mg/Kg	☼		03/31/25 16:34	1

Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SED-4

Lab Sample ID: 752-30758-16

Date Collected: 03/19/25 11:00

Matrix: Solid

Date Received: 03/20/25 09:08

Percent Solids: 75.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.172	0.0824	mg/Kg	✳	04/02/25 08:15	04/02/25 11:12	1
Benzene	ND		0.0343	0.00460	mg/Kg	✳	04/02/25 08:15	04/02/25 11:12	1
Bromobenzene	ND		0.0343	0.00893	mg/Kg	✳	04/02/25 08:15	04/02/25 11:12	1
Chlorobromomethane	ND		0.0343	0.00556	mg/Kg	✳	04/02/25 08:15	04/02/25 11:12	1
Dichlorobromomethane	ND		0.0343	0.00632	mg/Kg	✳	04/02/25 08:15	04/02/25 11:12	1
Bromoform	ND		0.0343	0.00893	mg/Kg	✳	04/02/25 08:15	04/02/25 11:12	1
Bromomethane	ND		0.0343	0.0172	mg/Kg	✳	04/02/25 08:15	04/02/25 11:12	1
2-Butanone (MEK)	ND		0.172	0.0412	mg/Kg	✳	04/02/25 08:15	04/02/25 11:12	1
n-Butylbenzene	ND		0.0343	0.00659	mg/Kg	✳	04/02/25 08:15	04/02/25 11:12	1
sec-Butylbenzene	ND		0.0343	0.00652	mg/Kg	✳	04/02/25 08:15	04/02/25 11:12	1
tert-Butylbenzene	ND		0.0343	0.00755	mg/Kg	✳	04/02/25 08:15	04/02/25 11:12	1
Carbon disulfide	ND		0.0343	0.0174	mg/Kg	✳	04/02/25 08:15	04/02/25 11:12	1
Carbon tetrachloride	ND		0.0343	0.0117	mg/Kg	✳	04/02/25 08:15	04/02/25 11:12	1
Chlorobenzene	ND		0.0343	0.00906	mg/Kg	✳	04/02/25 08:15	04/02/25 11:12	1
Chloroethane	ND		0.0343	0.0227	mg/Kg	✳	04/02/25 08:15	04/02/25 11:12	1
Chloroform	ND		0.0343	0.00934	mg/Kg	✳	04/02/25 08:15	04/02/25 11:12	1
Chloromethane	ND		0.0343	0.0152	mg/Kg	✳	04/02/25 08:15	04/02/25 11:12	1
2-Chlorotoluene	ND		0.0343	0.0114	mg/Kg	✳	04/02/25 08:15	04/02/25 11:12	1
4-Chlorotoluene	ND		0.0343	0.00673	mg/Kg	✳	04/02/25 08:15	04/02/25 11:12	1
Chlorodibromomethane	ND		0.0343	0.00824	mg/Kg	✳	04/02/25 08:15	04/02/25 11:12	1
1,2-Dibromo-3-Chloropropane	ND		0.0343	0.0227	mg/Kg	✳	04/02/25 08:15	04/02/25 11:12	1
Ethylene Dibromide	ND		0.0343	0.00687	mg/Kg	✳	04/02/25 08:15	04/02/25 11:12	1
Dibromomethane	ND		0.0343	0.00570	mg/Kg	✳	04/02/25 08:15	04/02/25 11:12	1
1,2-Dichlorobenzene	ND		0.0343	0.0109	mg/Kg	✳	04/02/25 08:15	04/02/25 11:12	1
1,3-Dichlorobenzene	ND		0.0343	0.00652	mg/Kg	✳	04/02/25 08:15	04/02/25 11:12	1
1,4-Dichlorobenzene	ND		0.0343	0.00590	mg/Kg	✳	04/02/25 08:15	04/02/25 11:12	1
trans-1,4-Dichloro-2-butene	ND		0.0343	0.0172	mg/Kg	✳	04/02/25 08:15	04/02/25 11:12	1
1,1-Dichloroethane	ND		0.0343	0.00570	mg/Kg	✳	04/02/25 08:15	04/02/25 11:12	1
1,2-Dichloroethane	ND		0.0343	0.0126	mg/Kg	✳	04/02/25 08:15	04/02/25 11:12	1
cis-1,2-Dichloroethene	ND		0.0343	0.00522	mg/Kg	✳	04/02/25 08:15	04/02/25 11:12	1
trans-1,2-Dichloroethene	ND		0.0343	0.00659	mg/Kg	✳	04/02/25 08:15	04/02/25 11:12	1
1,1-Dichloroethene	ND		0.0343	0.0144	mg/Kg	✳	04/02/25 08:15	04/02/25 11:12	1
1,2-Dichloropropane	ND		0.0343	0.00522	mg/Kg	✳	04/02/25 08:15	04/02/25 11:12	1
1,3-Dichloropropane	ND		0.0343	0.00687	mg/Kg	✳	04/02/25 08:15	04/02/25 11:12	1
2,2-Dichloropropane	ND		0.0343	0.00755	mg/Kg	✳	04/02/25 08:15	04/02/25 11:12	1
1,1-Dichloropropene	ND		0.0343	0.00570	mg/Kg	✳	04/02/25 08:15	04/02/25 11:12	1
cis-1,3-Dichloropropene	ND		0.0343	0.00824	mg/Kg	✳	04/02/25 08:15	04/02/25 11:12	1
trans-1,3-Dichloropropene	ND		0.0343	0.00755	mg/Kg	✳	04/02/25 08:15	04/02/25 11:12	1
Ethylbenzene	ND		0.0343	0.00419	mg/Kg	✳	04/02/25 08:15	04/02/25 11:12	1
Hexachlorobutadiene	ND		0.0343	0.0172	mg/Kg	✳	04/02/25 08:15	04/02/25 11:12	1
2-Hexanone	ND		0.172	0.0343	mg/Kg	✳	04/02/25 08:15	04/02/25 11:12	1
Iodomethane	ND		0.0343	0.0233	mg/Kg	✳	04/02/25 08:15	04/02/25 11:12	1
Isopropylbenzene	ND		0.0343	0.00467	mg/Kg	✳	04/02/25 08:15	04/02/25 11:12	1
4-Isopropyltoluene	ND		0.0343	0.00687	mg/Kg	✳	04/02/25 08:15	04/02/25 11:12	1
Methylene Chloride	ND		0.103	0.0687	mg/Kg	✳	04/02/25 08:15	04/02/25 11:12	1
4-Methyl-2-pentanone (MIBK)	ND		0.172	0.0922	mg/Kg	✳	04/02/25 08:15	04/02/25 11:12	1
Methyl tert-butyl ether	ND		0.0343	0.00687	mg/Kg	✳	04/02/25 08:15	04/02/25 11:12	1
Naphthalene	ND		0.0343	0.0206	mg/Kg	✳	04/02/25 08:15	04/02/25 11:12	1
N-Propylbenzene	ND		0.0343	0.00618	mg/Kg	✳	04/02/25 08:15	04/02/25 11:12	1

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Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SED-4
Date Collected: 03/19/25 11:00
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-16
Matrix: Solid
Percent Solids: 75.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.0343	0.00687	mg/Kg	☼	04/02/25 08:15	04/02/25 11:12	1
1,1,1,2-Tetrachloroethane	ND		0.0343	0.00755	mg/Kg	☼	04/02/25 08:15	04/02/25 11:12	1
1,1,1,2,2-Tetrachloroethane	ND		0.0343	0.0118	mg/Kg	☼	04/02/25 08:15	04/02/25 11:12	1
Tetrachloroethene	ND		0.0343	0.0206	mg/Kg	☼	04/02/25 08:15	04/02/25 11:12	1
Toluene	ND		0.0343	0.00687	mg/Kg	☼	04/02/25 08:15	04/02/25 11:12	1
1,2,3-Trichlorobenzene	ND		0.0343	0.00755	mg/Kg	☼	04/02/25 08:15	04/02/25 11:12	1
1,2,4-Trichlorobenzene	ND		0.0343	0.0138	mg/Kg	☼	04/02/25 08:15	04/02/25 11:12	1
1,1,1-Trichloroethane	ND		0.0343	0.00755	mg/Kg	☼	04/02/25 08:15	04/02/25 11:12	1
1,1,2-Trichloroethane	ND		0.0343	0.0111	mg/Kg	☼	04/02/25 08:15	04/02/25 11:12	1
Trichloroethene	ND		0.0343	0.00687	mg/Kg	☼	04/02/25 08:15	04/02/25 11:12	1
Trichlorofluoromethane	ND		0.0343	0.0166	mg/Kg	☼	04/02/25 08:15	04/02/25 11:12	1
1,2,3-Trichloropropane	ND		0.0343	0.0143	mg/Kg	☼	04/02/25 08:15	04/02/25 11:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.0343	0.0129	mg/Kg	☼	04/02/25 08:15	04/02/25 11:12	1
1,2,4-Trimethylbenzene	ND		0.0343	0.00687	mg/Kg	☼	04/02/25 08:15	04/02/25 11:12	1
1,3,5-Trimethylbenzene	ND		0.0343	0.00570	mg/Kg	☼	04/02/25 08:15	04/02/25 11:12	1
Vinyl acetate	ND		0.172	0.0438	mg/Kg	☼	04/02/25 08:15	04/02/25 11:12	1
Vinyl chloride	ND		0.0343	0.0150	mg/Kg	☼	04/02/25 08:15	04/02/25 11:12	1
o-Xylene	ND		0.0343	0.0206	mg/Kg	☼	04/02/25 08:15	04/02/25 11:12	1
m-Xylene & p-Xylene	ND		0.0343	0.0206	mg/Kg	☼	04/02/25 08:15	04/02/25 11:12	1
Xylenes, Total	ND		0.0687	0.0412	mg/Kg	☼	04/02/25 08:15	04/02/25 11:12	1
Isopropyl ether	ND		0.0343	0.00947	mg/Kg	☼	04/02/25 08:15	04/02/25 11:12	1
Hexane	ND		0.0343	0.0179	mg/Kg	☼	04/02/25 08:15	04/02/25 11:12	1
n-Heptane	ND		0.0343	0.0198	mg/Kg	☼	04/02/25 08:15	04/02/25 11:12	1
Ethyl acetate	ND		0.137	0.0343	mg/Kg	☼	04/02/25 08:15	04/02/25 11:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	94		50 - 150	04/02/25 08:15	04/02/25 11:12	1
Dibromofluoromethane	109		50 - 150	04/02/25 08:15	04/02/25 11:12	1
Toluene-d8 (Surr)	100		50 - 150	04/02/25 08:15	04/02/25 11:12	1
1,2-Dichloroethane-d4 (Surr)	123		50 - 150	04/02/25 08:15	04/02/25 11:12	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		0.00777	0.00777	mg/Kg	☼	03/31/25 11:20	04/02/25 16:38	5

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	51		10 - 150	03/31/25 11:20	04/02/25 16:38	5

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.858	0.216	mg/Kg	☼	03/25/25 16:37	03/28/25 19:42	2
2,4,5-Trichlorophenol	ND		0.858	0.263	mg/Kg	☼	03/25/25 16:37	03/28/25 19:42	2
2,4,6-Trichlorophenol	ND		0.858	0.273	mg/Kg	☼	03/25/25 16:37	03/28/25 19:42	2
2,4-Dichlorophenol	ND		0.858	0.182	mg/Kg	☼	03/25/25 16:37	03/28/25 19:42	2
2,4-Dimethylphenol	ND		0.858	0.244	mg/Kg	☼	03/25/25 16:37	03/28/25 19:42	2
2,4-Dinitrophenol	ND		2.57	0.754	mg/Kg	☼	03/25/25 16:37	03/28/25 19:42	2
2,4-Dinitrotoluene	ND		0.858	0.263	mg/Kg	☼	03/25/25 16:37	03/28/25 19:42	2
2-Chlorophenol	ND		0.858	0.315	mg/Kg	☼	03/25/25 16:37	03/28/25 19:42	2
2-Chloronaphthalene	ND		0.858	0.200	mg/Kg	☼	03/25/25 16:37	03/28/25 19:42	2
2-Methylnaphthalene	ND		0.858	0.283	mg/Kg	☼	03/25/25 16:37	03/28/25 19:42	2
2-Methylphenol	ND		0.858	0.208	mg/Kg	☼	03/25/25 16:37	03/28/25 19:42	2

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Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SED-4

Lab Sample ID: 752-30758-16

Date Collected: 03/19/25 11:00

Matrix: Solid

Date Received: 03/20/25 09:08

Percent Solids: 75.7

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		0.858	0.182	mg/Kg	✳	03/25/25 16:37	03/28/25 19:42	2
2-Nitrophenol	ND		0.858	0.307	mg/Kg	✳	03/25/25 16:37	03/28/25 19:42	2
3 & 4 Methylphenol	ND		1.72	0.200	mg/Kg	✳	03/25/25 16:37	03/28/25 19:42	2
3,3'-Dichlorobenzidine	ND	+	0.858	0.286	mg/Kg	✳	03/25/25 16:37	03/28/25 19:42	2
3-Nitroaniline	ND		0.858	0.203	mg/Kg	✳	03/25/25 16:37	03/28/25 19:42	2
4,6-Dinitro-2-methylphenol	ND		0.858	0.624	mg/Kg	✳	03/25/25 16:37	03/28/25 19:42	2
4-Bromophenyl phenyl ether	ND		0.858	0.273	mg/Kg	✳	03/25/25 16:37	03/28/25 19:42	2
4-Chloro-3-methylphenol	ND		0.858	0.211	mg/Kg	✳	03/25/25 16:37	03/28/25 19:42	2
4-Chloroaniline	ND		0.858	0.211	mg/Kg	✳	03/25/25 16:37	03/28/25 19:42	2
4-Chlorophenyl phenyl ether	ND		0.858	0.0858	mg/Kg	✳	03/25/25 16:37	03/28/25 19:42	2
4-Nitroaniline	ND		0.858	0.294	mg/Kg	✳	03/25/25 16:37	03/28/25 19:42	2
Acenaphthene	ND		0.858	0.211	mg/Kg	✳	03/25/25 16:37	03/28/25 19:42	2
Acenaphthylene	ND		0.858	0.229	mg/Kg	✳	03/25/25 16:37	03/28/25 19:42	2
Acetophenone	ND		0.858	0.244	mg/Kg	✳	03/25/25 16:37	03/28/25 19:42	2
Anthracene	ND		0.858	0.203	mg/Kg	✳	03/25/25 16:37	03/28/25 19:42	2
Benzo[a]anthracene	ND		0.858	0.229	mg/Kg	✳	03/25/25 16:37	03/28/25 19:42	2
Benzo[a]pyrene	ND	*3	0.858	0.122	mg/Kg	✳	03/25/25 16:37	03/28/25 19:42	2
Benzo[b]fluoranthene	ND	*3	0.858	0.257	mg/Kg	✳	03/25/25 16:37	03/28/25 19:42	2
Benzo[g,h,i]perylene	ND	*3	0.858	0.286	mg/Kg	✳	03/25/25 16:37	03/28/25 19:42	2
Benzo[k]fluoranthene	ND	*3	0.858	0.203	mg/Kg	✳	03/25/25 16:37	03/28/25 19:42	2
Bis(2-chloroethoxy)methane	ND		0.858	0.190	mg/Kg	✳	03/25/25 16:37	03/28/25 19:42	2
Bis(2-chloroethyl)ether	ND		0.858	0.281	mg/Kg	✳	03/25/25 16:37	03/28/25 19:42	2
Bis(2-ethylhexyl) phthalate	ND		0.858	0.211	mg/Kg	✳	03/25/25 16:37	03/28/25 19:42	2
Chrysene	ND		0.858	0.276	mg/Kg	✳	03/25/25 16:37	03/28/25 19:42	2
Dibenz(a,h)anthracene	ND	*3	0.858	0.330	mg/Kg	✳	03/25/25 16:37	03/28/25 19:42	2
Dibenzofuran	ND		0.858	0.216	mg/Kg	✳	03/25/25 16:37	03/28/25 19:42	2
Di-n-butyl phthalate	ND		0.858	0.252	mg/Kg	✳	03/25/25 16:37	03/28/25 19:42	2
Diethyl phthalate	ND		0.858	0.276	mg/Kg	✳	03/25/25 16:37	03/28/25 19:42	2
Dimethyl phthalate	ND		0.858	0.231	mg/Kg	✳	03/25/25 16:37	03/28/25 19:42	2
Di-n-octyl phthalate	ND		0.858	0.312	mg/Kg	✳	03/25/25 16:37	03/28/25 19:42	2
Fluoranthene	ND		0.858	0.190	mg/Kg	✳	03/25/25 16:37	03/28/25 19:42	2
Fluorene	ND		0.858	0.234	mg/Kg	✳	03/25/25 16:37	03/28/25 19:42	2
Hexachlorobenzene	ND		0.858	0.260	mg/Kg	✳	03/25/25 16:37	03/28/25 19:42	2
Hexachlorobutadiene	ND		0.858	0.361	mg/Kg	✳	03/25/25 16:37	03/28/25 19:42	2
Hexachlorocyclopentadiene	ND		0.858	0.172	mg/Kg	✳	03/25/25 16:37	03/28/25 19:42	2
Hexachloroethane	ND		0.858	0.395	mg/Kg	✳	03/25/25 16:37	03/28/25 19:42	2
Indeno[1,2,3-cd]pyrene	ND	*3	0.858	0.346	mg/Kg	✳	03/25/25 16:37	03/28/25 19:42	2
Isophorone	ND		0.858	0.174	mg/Kg	✳	03/25/25 16:37	03/28/25 19:42	2
Naphthalene	ND		0.858	0.231	mg/Kg	✳	03/25/25 16:37	03/28/25 19:42	2
Nitrobenzene	ND		0.858	0.255	mg/Kg	✳	03/25/25 16:37	03/28/25 19:42	2
N-Nitrosodiphenylamine	ND		0.858	0.218	mg/Kg	✳	03/25/25 16:37	03/28/25 19:42	2
N-Nitrosodi-n-propylamine	ND		0.858	0.273	mg/Kg	✳	03/25/25 16:37	03/28/25 19:42	2
Pentachlorophenol	ND		1.72	0.416	mg/Kg	✳	03/25/25 16:37	03/28/25 19:42	2
Phenanthrene	ND		0.858	0.211	mg/Kg	✳	03/25/25 16:37	03/28/25 19:42	2
Phenol	ND		0.858	0.231	mg/Kg	✳	03/25/25 16:37	03/28/25 19:42	2
Pyrene	ND		0.858	0.203	mg/Kg	✳	03/25/25 16:37	03/28/25 19:42	2
Butyl benzyl phthalate	ND		0.858	0.416	mg/Kg	✳	03/25/25 16:37	03/28/25 19:42	2
bis (2-chloroisopropyl) ether	ND		0.858	0.328	mg/Kg	✳	03/25/25 16:37	03/28/25 19:42	2
Carbazole	ND		0.858	0.291	mg/Kg	✳	03/25/25 16:37	03/28/25 19:42	2

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Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SED-4
Date Collected: 03/19/25 11:00
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-16
Matrix: Solid
Percent Solids: 75.7

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		0.858	0.268	mg/Kg	☼	03/25/25 16:37	03/28/25 19:42	2
4-Nitrophenol	ND		0.858	0.780	mg/Kg	☼	03/25/25 16:37	03/28/25 19:42	2
Atrazine	ND		0.858	0.234	mg/Kg	☼	03/25/25 16:37	03/28/25 19:42	2
Benzaldehyde	ND		0.858	0.348	mg/Kg	☼	03/25/25 16:37	03/28/25 19:42	2
Caprolactam	ND		0.858	0.218	mg/Kg	☼	03/25/25 16:37	03/28/25 19:42	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	122		10 - 150	03/25/25 16:37	03/28/25 19:42	2
2-Fluorobiphenyl (Surr)	59		27 - 127	03/25/25 16:37	03/28/25 19:42	2
2-Fluorophenol (Surr)	53		25 - 128	03/25/25 16:37	03/28/25 19:42	2
Terphenyl-d14 (Surr)	77		24 - 146	03/25/25 16:37	03/28/25 19:42	2
Phenol-d5 (Surr)	52		29 - 130	03/25/25 16:37	03/28/25 19:42	2
Nitrobenzene-d5 (Surr)	42		15 - 136	03/25/25 16:37	03/28/25 19:42	2

Method: SW846 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		2.63	0.868	mg/Kg	☼		03/24/25 19:05	1
Sulfate	ND		26.3	9.60	mg/Kg	☼		03/24/25 19:05	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.0217	J	0.190	0.00221	mg/Kg	☼	03/26/25 08:20	03/27/25 18:32	5
Arsenic	0.401	J	0.456	0.0407	mg/Kg	☼	03/26/25 08:20	03/27/25 18:32	5
Chromium	3.18		0.761	0.157	mg/Kg	☼	03/26/25 08:20	03/27/25 18:32	5
Copper	11.0		0.380	0.0396	mg/Kg	☼	03/26/25 08:20	03/27/25 18:32	5
Cadmium	0.0517	J	0.380	0.0124	mg/Kg	☼	03/26/25 08:20	03/27/25 18:32	5
Cobalt	1.22		0.571	0.0215	mg/Kg	☼	03/26/25 08:20	03/27/25 18:32	5
Barium	11.0		1.90	0.0108	mg/Kg	☼	03/26/25 08:20	03/27/25 18:32	5
Beryllium	0.128	J	0.380	0.0267	mg/Kg	☼	03/26/25 08:20	03/27/25 18:32	5
Manganese	84.2		0.761	0.0468	mg/Kg	☼	03/26/25 08:20	03/27/25 18:32	5
Nickel	3.20		0.761	0.0199	mg/Kg	☼	03/26/25 08:20	03/27/25 18:32	5
Lead	14.7		0.380	0.0449	mg/Kg	☼	03/26/25 08:20	03/27/25 18:32	5
Antimony	ND		0.761	0.174	mg/Kg	☼	03/26/25 08:20	03/27/25 18:32	5
Selenium	ND		1.90	0.135	mg/Kg	☼	03/26/25 08:20	03/27/25 18:32	5
Thallium	ND		0.532	0.0321	mg/Kg	☼	03/26/25 08:20	03/27/25 18:32	5
Vanadium	4.98		0.761	0.0955	mg/Kg	☼	03/26/25 08:20	03/27/25 18:32	5
Zinc	31.7		1.90	1.58	mg/Kg	☼	03/26/25 08:20	03/27/25 18:32	5

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0198	J	0.121	0.0177	mg/Kg	☼	03/27/25 14:14	03/28/25 09:15	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		1.31	0.420	mg/Kg	☼		03/31/25 16:34	1

Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SED-5

Lab Sample ID: 752-30758-17

Date Collected: 03/19/25 10:00

Matrix: Solid

Date Received: 03/20/25 09:08

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	ND		0.0761	0.0365	mg/Kg	✳	04/02/25 08:15	04/02/25 11:34	1
Benzene	ND		0.0152	0.00204	mg/Kg	✳	04/02/25 08:15	04/02/25 11:34	1
Bromobenzene	ND		0.0152	0.00396	mg/Kg	✳	04/02/25 08:15	04/02/25 11:34	1
Chlorobromomethane	ND		0.0152	0.00247	mg/Kg	✳	04/02/25 08:15	04/02/25 11:34	1
Dichlorobromomethane	ND		0.0152	0.00280	mg/Kg	✳	04/02/25 08:15	04/02/25 11:34	1
Bromoform	ND		0.0152	0.00396	mg/Kg	✳	04/02/25 08:15	04/02/25 11:34	1
Bromomethane	ND		0.0152	0.00761	mg/Kg	✳	04/02/25 08:15	04/02/25 11:34	1
2-Butanone (MEK)	ND		0.0761	0.0183	mg/Kg	✳	04/02/25 08:15	04/02/25 11:34	1
n-Butylbenzene	ND		0.0152	0.00292	mg/Kg	✳	04/02/25 08:15	04/02/25 11:34	1
sec-Butylbenzene	ND		0.0152	0.00289	mg/Kg	✳	04/02/25 08:15	04/02/25 11:34	1
tert-Butylbenzene	ND		0.0152	0.00335	mg/Kg	✳	04/02/25 08:15	04/02/25 11:34	1
Carbon disulfide	ND		0.0152	0.00770	mg/Kg	✳	04/02/25 08:15	04/02/25 11:34	1
Carbon tetrachloride	ND		0.0152	0.00518	mg/Kg	✳	04/02/25 08:15	04/02/25 11:34	1
Chlorobenzene	ND		0.0152	0.00402	mg/Kg	✳	04/02/25 08:15	04/02/25 11:34	1
Chloroethane	ND		0.0152	0.0100	mg/Kg	✳	04/02/25 08:15	04/02/25 11:34	1
Chloroform	ND		0.0152	0.00414	mg/Kg	✳	04/02/25 08:15	04/02/25 11:34	1
Chloromethane	ND		0.0152	0.00673	mg/Kg	✳	04/02/25 08:15	04/02/25 11:34	1
2-Chlorotoluene	ND		0.0152	0.00505	mg/Kg	✳	04/02/25 08:15	04/02/25 11:34	1
4-Chlorotoluene	ND		0.0152	0.00298	mg/Kg	✳	04/02/25 08:15	04/02/25 11:34	1
Chlorodibromomethane	ND		0.0152	0.00365	mg/Kg	✳	04/02/25 08:15	04/02/25 11:34	1
1,2-Dibromo-3-Chloropropane	ND		0.0152	0.0100	mg/Kg	✳	04/02/25 08:15	04/02/25 11:34	1
Ethylene Dibromide	ND		0.0152	0.00304	mg/Kg	✳	04/02/25 08:15	04/02/25 11:34	1
Dibromomethane	ND		0.0152	0.00253	mg/Kg	✳	04/02/25 08:15	04/02/25 11:34	1
1,2-Dichlorobenzene	ND		0.0152	0.00484	mg/Kg	✳	04/02/25 08:15	04/02/25 11:34	1
1,3-Dichlorobenzene	ND		0.0152	0.00289	mg/Kg	✳	04/02/25 08:15	04/02/25 11:34	1
1,4-Dichlorobenzene	ND		0.0152	0.00262	mg/Kg	✳	04/02/25 08:15	04/02/25 11:34	1
trans-1,4-Dichloro-2-butene	ND		0.0152	0.00761	mg/Kg	✳	04/02/25 08:15	04/02/25 11:34	1
1,1-Dichloroethane	ND		0.0152	0.00253	mg/Kg	✳	04/02/25 08:15	04/02/25 11:34	1
1,2-Dichloroethane	ND		0.0152	0.00560	mg/Kg	✳	04/02/25 08:15	04/02/25 11:34	1
cis-1,2-Dichloroethene	ND		0.0152	0.00231	mg/Kg	✳	04/02/25 08:15	04/02/25 11:34	1
trans-1,2-Dichloroethene	ND		0.0152	0.00292	mg/Kg	✳	04/02/25 08:15	04/02/25 11:34	1
1,1-Dichloroethene	ND		0.0152	0.00639	mg/Kg	✳	04/02/25 08:15	04/02/25 11:34	1
1,2-Dichloropropane	ND		0.0152	0.00231	mg/Kg	✳	04/02/25 08:15	04/02/25 11:34	1
1,3-Dichloropropane	ND		0.0152	0.00304	mg/Kg	✳	04/02/25 08:15	04/02/25 11:34	1
2,2-Dichloropropane	ND		0.0152	0.00335	mg/Kg	✳	04/02/25 08:15	04/02/25 11:34	1
1,1-Dichloropropene	ND		0.0152	0.00253	mg/Kg	✳	04/02/25 08:15	04/02/25 11:34	1
cis-1,3-Dichloropropene	ND		0.0152	0.00365	mg/Kg	✳	04/02/25 08:15	04/02/25 11:34	1
trans-1,3-Dichloropropene	ND		0.0152	0.00335	mg/Kg	✳	04/02/25 08:15	04/02/25 11:34	1
Ethylbenzene	ND		0.0152	0.00186	mg/Kg	✳	04/02/25 08:15	04/02/25 11:34	1
Hexachlorobutadiene	ND		0.0152	0.00761	mg/Kg	✳	04/02/25 08:15	04/02/25 11:34	1
2-Hexanone	ND		0.0761	0.0152	mg/Kg	✳	04/02/25 08:15	04/02/25 11:34	1
Iodomethane	ND		0.0152	0.0104	mg/Kg	✳	04/02/25 08:15	04/02/25 11:34	1
Isopropylbenzene	ND		0.0152	0.00207	mg/Kg	✳	04/02/25 08:15	04/02/25 11:34	1
4-Isopropyltoluene	ND		0.0152	0.00304	mg/Kg	✳	04/02/25 08:15	04/02/25 11:34	1
Methylene Chloride	ND		0.0457	0.0304	mg/Kg	✳	04/02/25 08:15	04/02/25 11:34	1
4-Methyl-2-pentanone (MIBK)	ND		0.0761	0.0409	mg/Kg	✳	04/02/25 08:15	04/02/25 11:34	1
Methyl tert-butyl ether	ND		0.0152	0.00304	mg/Kg	✳	04/02/25 08:15	04/02/25 11:34	1
Naphthalene	ND		0.0152	0.00913	mg/Kg	✳	04/02/25 08:15	04/02/25 11:34	1
N-Propylbenzene	ND		0.0152	0.00274	mg/Kg	✳	04/02/25 08:15	04/02/25 11:34	1

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Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SED-5

Date Collected: 03/19/25 10:00

Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-17

Matrix: Solid

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		0.0152	0.00304	mg/Kg	☼	04/02/25 08:15	04/02/25 11:34	1
1,1,1,2-Tetrachloroethane	ND		0.0152	0.00335	mg/Kg	☼	04/02/25 08:15	04/02/25 11:34	1
1,1,1,2,2-Tetrachloroethane	ND		0.0152	0.00524	mg/Kg	☼	04/02/25 08:15	04/02/25 11:34	1
Tetrachloroethene	ND		0.0152	0.00913	mg/Kg	☼	04/02/25 08:15	04/02/25 11:34	1
Toluene	ND		0.0152	0.00304	mg/Kg	☼	04/02/25 08:15	04/02/25 11:34	1
1,2,3-Trichlorobenzene	ND		0.0152	0.00335	mg/Kg	☼	04/02/25 08:15	04/02/25 11:34	1
1,2,4-Trichlorobenzene	ND		0.0152	0.00612	mg/Kg	☼	04/02/25 08:15	04/02/25 11:34	1
1,1,1-Trichloroethane	ND		0.0152	0.00335	mg/Kg	☼	04/02/25 08:15	04/02/25 11:34	1
1,1,2-Trichloroethane	ND		0.0152	0.00490	mg/Kg	☼	04/02/25 08:15	04/02/25 11:34	1
Trichloroethene	ND		0.0152	0.00304	mg/Kg	☼	04/02/25 08:15	04/02/25 11:34	1
Trichlorofluoromethane	ND		0.0152	0.00737	mg/Kg	☼	04/02/25 08:15	04/02/25 11:34	1
1,2,3-Trichloropropane	ND		0.0152	0.00633	mg/Kg	☼	04/02/25 08:15	04/02/25 11:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.0152	0.00572	mg/Kg	☼	04/02/25 08:15	04/02/25 11:34	1
1,2,4-Trimethylbenzene	ND		0.0152	0.00304	mg/Kg	☼	04/02/25 08:15	04/02/25 11:34	1
1,3,5-Trimethylbenzene	ND		0.0152	0.00253	mg/Kg	☼	04/02/25 08:15	04/02/25 11:34	1
Vinyl acetate	ND		0.0761	0.0194	mg/Kg	☼	04/02/25 08:15	04/02/25 11:34	1
Vinyl chloride	ND		0.0152	0.00664	mg/Kg	☼	04/02/25 08:15	04/02/25 11:34	1
o-Xylene	ND		0.0152	0.00913	mg/Kg	☼	04/02/25 08:15	04/02/25 11:34	1
m-Xylene & p-Xylene	ND		0.0152	0.00913	mg/Kg	☼	04/02/25 08:15	04/02/25 11:34	1
Xylenes, Total	ND		0.0304	0.0183	mg/Kg	☼	04/02/25 08:15	04/02/25 11:34	1
Isopropyl ether	ND		0.0152	0.00420	mg/Kg	☼	04/02/25 08:15	04/02/25 11:34	1
Hexane	ND		0.0152	0.00792	mg/Kg	☼	04/02/25 08:15	04/02/25 11:34	1
n-Heptane	ND		0.0152	0.00880	mg/Kg	☼	04/02/25 08:15	04/02/25 11:34	1
Ethyl acetate	ND		0.0609	0.0152	mg/Kg	☼	04/02/25 08:15	04/02/25 11:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	92		50 - 150	04/02/25 08:15	04/02/25 11:34	1
Dibromofluoromethane	103		50 - 150	04/02/25 08:15	04/02/25 11:34	1
Toluene-d8 (Surr)	100		50 - 150	04/02/25 08:15	04/02/25 11:34	1
1,2-Dichloroethane-d4 (Surr)	122		50 - 150	04/02/25 08:15	04/02/25 11:34	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		0.00797	0.00797	mg/Kg	☼	03/31/25 11:20	04/02/25 16:59	5

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	51		10 - 150	03/31/25 11:20	04/02/25 16:59	5

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.834	0.210	mg/Kg	☼	03/25/25 16:37	03/28/25 20:07	2
2,4,5-Trichlorophenol	ND		0.834	0.255	mg/Kg	☼	03/25/25 16:37	03/28/25 20:07	2
2,4,6-Trichlorophenol	ND		0.834	0.265	mg/Kg	☼	03/25/25 16:37	03/28/25 20:07	2
2,4-Dichlorophenol	ND		0.834	0.177	mg/Kg	☼	03/25/25 16:37	03/28/25 20:07	2
2,4-Dimethylphenol	ND		0.834	0.237	mg/Kg	☼	03/25/25 16:37	03/28/25 20:07	2
2,4-Dinitrophenol	ND		2.50	0.733	mg/Kg	☼	03/25/25 16:37	03/28/25 20:07	2
2,4-Dinitrotoluene	ND		0.834	0.255	mg/Kg	☼	03/25/25 16:37	03/28/25 20:07	2
2-Chlorophenol	ND		0.834	0.306	mg/Kg	☼	03/25/25 16:37	03/28/25 20:07	2
2-Chloronaphthalene	ND		0.834	0.195	mg/Kg	☼	03/25/25 16:37	03/28/25 20:07	2
2-Methylnaphthalene	ND		0.834	0.275	mg/Kg	☼	03/25/25 16:37	03/28/25 20:07	2
2-Methylphenol	ND		0.834	0.202	mg/Kg	☼	03/25/25 16:37	03/28/25 20:07	2

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Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SED-5

Lab Sample ID: 752-30758-17

Date Collected: 03/19/25 10:00

Matrix: Solid

Date Received: 03/20/25 09:08

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		0.834	0.177	mg/Kg	✳	03/25/25 16:37	03/28/25 20:07	2
2-Nitrophenol	ND		0.834	0.298	mg/Kg	✳	03/25/25 16:37	03/28/25 20:07	2
3 & 4 Methylphenol	ND		1.67	0.195	mg/Kg	✳	03/25/25 16:37	03/28/25 20:07	2
3,3'-Dichlorobenzidine	ND	*+	0.834	0.278	mg/Kg	✳	03/25/25 16:37	03/28/25 20:07	2
3-Nitroaniline	ND		0.834	0.197	mg/Kg	✳	03/25/25 16:37	03/28/25 20:07	2
4,6-Dinitro-2-methylphenol	ND		0.834	0.606	mg/Kg	✳	03/25/25 16:37	03/28/25 20:07	2
4-Bromophenyl phenyl ether	ND		0.834	0.265	mg/Kg	✳	03/25/25 16:37	03/28/25 20:07	2
4-Chloro-3-methylphenol	ND		0.834	0.205	mg/Kg	✳	03/25/25 16:37	03/28/25 20:07	2
4-Chloroaniline	ND		0.834	0.205	mg/Kg	✳	03/25/25 16:37	03/28/25 20:07	2
4-Chlorophenyl phenyl ether	ND		0.834	0.0834	mg/Kg	✳	03/25/25 16:37	03/28/25 20:07	2
4-Nitroaniline	ND		0.834	0.285	mg/Kg	✳	03/25/25 16:37	03/28/25 20:07	2
Acenaphthene	ND		0.834	0.205	mg/Kg	✳	03/25/25 16:37	03/28/25 20:07	2
Acenaphthylene	ND		0.834	0.222	mg/Kg	✳	03/25/25 16:37	03/28/25 20:07	2
Acetophenone	ND		0.834	0.237	mg/Kg	✳	03/25/25 16:37	03/28/25 20:07	2
Anthracene	ND		0.834	0.197	mg/Kg	✳	03/25/25 16:37	03/28/25 20:07	2
Benzo[a]anthracene	ND		0.834	0.222	mg/Kg	✳	03/25/25 16:37	03/28/25 20:07	2
Benzo[a]pyrene	ND	*3	0.834	0.119	mg/Kg	✳	03/25/25 16:37	03/28/25 20:07	2
Benzo[b]fluoranthene	ND	*3	0.834	0.250	mg/Kg	✳	03/25/25 16:37	03/28/25 20:07	2
Benzo[g,h,i]perylene	ND	*3	0.834	0.278	mg/Kg	✳	03/25/25 16:37	03/28/25 20:07	2
Benzo[k]fluoranthene	ND	*3	0.834	0.197	mg/Kg	✳	03/25/25 16:37	03/28/25 20:07	2
Bis(2-chloroethoxy)methane	ND		0.834	0.184	mg/Kg	✳	03/25/25 16:37	03/28/25 20:07	2
Bis(2-chloroethyl)ether	ND		0.834	0.273	mg/Kg	✳	03/25/25 16:37	03/28/25 20:07	2
Bis(2-ethylhexyl) phthalate	ND		0.834	0.205	mg/Kg	✳	03/25/25 16:37	03/28/25 20:07	2
Chrysene	ND		0.834	0.268	mg/Kg	✳	03/25/25 16:37	03/28/25 20:07	2
Dibenz(a,h)anthracene	ND	*3	0.834	0.321	mg/Kg	✳	03/25/25 16:37	03/28/25 20:07	2
Dibenzofuran	ND		0.834	0.210	mg/Kg	✳	03/25/25 16:37	03/28/25 20:07	2
Di-n-butyl phthalate	ND		0.834	0.245	mg/Kg	✳	03/25/25 16:37	03/28/25 20:07	2
Diethyl phthalate	ND		0.834	0.268	mg/Kg	✳	03/25/25 16:37	03/28/25 20:07	2
Dimethyl phthalate	ND		0.834	0.225	mg/Kg	✳	03/25/25 16:37	03/28/25 20:07	2
Di-n-octyl phthalate	ND		0.834	0.303	mg/Kg	✳	03/25/25 16:37	03/28/25 20:07	2
Fluoranthene	ND		0.834	0.184	mg/Kg	✳	03/25/25 16:37	03/28/25 20:07	2
Fluorene	ND		0.834	0.227	mg/Kg	✳	03/25/25 16:37	03/28/25 20:07	2
Hexachlorobenzene	ND		0.834	0.253	mg/Kg	✳	03/25/25 16:37	03/28/25 20:07	2
Hexachlorobutadiene	ND		0.834	0.351	mg/Kg	✳	03/25/25 16:37	03/28/25 20:07	2
Hexachlorocyclopentadiene	ND		0.834	0.167	mg/Kg	✳	03/25/25 16:37	03/28/25 20:07	2
Hexachloroethane	ND		0.834	0.384	mg/Kg	✳	03/25/25 16:37	03/28/25 20:07	2
Indeno[1,2,3-cd]pyrene	ND	*3	0.834	0.336	mg/Kg	✳	03/25/25 16:37	03/28/25 20:07	2
Isophorone	ND		0.834	0.169	mg/Kg	✳	03/25/25 16:37	03/28/25 20:07	2
Naphthalene	ND		0.834	0.225	mg/Kg	✳	03/25/25 16:37	03/28/25 20:07	2
Nitrobenzene	ND		0.834	0.248	mg/Kg	✳	03/25/25 16:37	03/28/25 20:07	2
N-Nitrosodiphenylamine	ND		0.834	0.212	mg/Kg	✳	03/25/25 16:37	03/28/25 20:07	2
N-Nitrosodi-n-propylamine	ND		0.834	0.265	mg/Kg	✳	03/25/25 16:37	03/28/25 20:07	2
Pentachlorophenol	ND		1.67	0.404	mg/Kg	✳	03/25/25 16:37	03/28/25 20:07	2
Phenanthrene	ND		0.834	0.205	mg/Kg	✳	03/25/25 16:37	03/28/25 20:07	2
Phenol	ND		0.834	0.225	mg/Kg	✳	03/25/25 16:37	03/28/25 20:07	2
Pyrene	ND		0.834	0.197	mg/Kg	✳	03/25/25 16:37	03/28/25 20:07	2
Butyl benzyl phthalate	ND		0.834	0.404	mg/Kg	✳	03/25/25 16:37	03/28/25 20:07	2
bis (2-chloroisopropyl) ether	ND		0.834	0.318	mg/Kg	✳	03/25/25 16:37	03/28/25 20:07	2
Carbazole	ND		0.834	0.283	mg/Kg	✳	03/25/25 16:37	03/28/25 20:07	2

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Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SED-5

Lab Sample ID: 752-30758-17

Date Collected: 03/19/25 10:00

Matrix: Solid

Date Received: 03/20/25 09:08

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		0.834	0.260	mg/Kg	☼	03/25/25 16:37	03/28/25 20:07	2
4-Nitrophenol	ND		0.834	0.758	mg/Kg	☼	03/25/25 16:37	03/28/25 20:07	2
Atrazine	ND		0.834	0.227	mg/Kg	☼	03/25/25 16:37	03/28/25 20:07	2
Benzaldehyde	ND		0.834	0.339	mg/Kg	☼	03/25/25 16:37	03/28/25 20:07	2
Caprolactam	ND		0.834	0.212	mg/Kg	☼	03/25/25 16:37	03/28/25 20:07	2

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	119		10 - 150				03/25/25 16:37	03/28/25 20:07	2
2-Fluorobiphenyl (Surr)	58		27 - 127				03/25/25 16:37	03/28/25 20:07	2
2-Fluorophenol (Surr)	55		25 - 128				03/25/25 16:37	03/28/25 20:07	2
Terphenyl-d14 (Surr)	85		24 - 146				03/25/25 16:37	03/28/25 20:07	2
Phenol-d5 (Surr)	55		29 - 130				03/25/25 16:37	03/28/25 20:07	2
Nitrobenzene-d5 (Surr)	40		15 - 136				03/25/25 16:37	03/28/25 20:07	2

Method: SW846 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		2.69	0.889	mg/Kg	☼		03/24/25 19:14	1
Sulfate	10.1	J	26.9	9.83	mg/Kg	☼		03/24/25 19:14	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.0773	J	0.193	0.00224	mg/Kg	☼	03/26/25 08:20	03/27/25 18:35	5
Arsenic	0.895		0.464	0.0413	mg/Kg	☼	03/26/25 08:20	03/27/25 18:35	5
Chromium	5.95		0.773	0.159	mg/Kg	☼	03/26/25 08:20	03/27/25 18:35	5
Copper	36.6		0.386	0.0402	mg/Kg	☼	03/26/25 08:20	03/27/25 18:35	5
Cadmium	0.100	J	0.386	0.0126	mg/Kg	☼	03/26/25 08:20	03/27/25 18:35	5
Cobalt	2.03		0.580	0.0219	mg/Kg	☼	03/26/25 08:20	03/27/25 18:35	5
Barium	23.3		1.93	0.0109	mg/Kg	☼	03/26/25 08:20	03/27/25 18:35	5
Beryllium	0.134	J	0.386	0.0271	mg/Kg	☼	03/26/25 08:20	03/27/25 18:35	5
Manganese	97.1		0.773	0.0475	mg/Kg	☼	03/26/25 08:20	03/27/25 18:35	5
Nickel	10.1		0.773	0.0202	mg/Kg	☼	03/26/25 08:20	03/27/25 18:35	5
Lead	45.9		0.386	0.0456	mg/Kg	☼	03/26/25 08:20	03/27/25 18:35	5
Antimony	0.230	J	0.773	0.177	mg/Kg	☼	03/26/25 08:20	03/27/25 18:35	5
Selenium	ND		1.93	0.137	mg/Kg	☼	03/26/25 08:20	03/27/25 18:35	5
Thallium	ND		0.541	0.0326	mg/Kg	☼	03/26/25 08:20	03/27/25 18:35	5
Vanadium	7.88		0.773	0.0970	mg/Kg	☼	03/26/25 08:20	03/27/25 18:35	5
Zinc	76.9		1.93	1.60	mg/Kg	☼	03/26/25 08:20	03/27/25 18:35	5

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.130	0.0190	mg/Kg	☼	03/27/25 14:14	03/28/25 09:18	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		1.32	0.424	mg/Kg	☼		03/31/25 16:34	1

Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SED-6

Lab Sample ID: 752-30758-18

Date Collected: 03/19/25 09:15

Matrix: Solid

Date Received: 03/20/25 09:08

Percent Solids: 74.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0371		0.0335	0.0161	mg/Kg	✳	04/02/25 08:15	04/02/25 11:55	1
Benzene	ND		0.00670	0.000898	mg/Kg	✳	04/02/25 08:15	04/02/25 11:55	1
Bromobenzene	ND		0.00670	0.00174	mg/Kg	✳	04/02/25 08:15	04/02/25 11:55	1
Chlorobromomethane	ND		0.00670	0.00109	mg/Kg	✳	04/02/25 08:15	04/02/25 11:55	1
Dichlorobromomethane	ND		0.00670	0.00123	mg/Kg	✳	04/02/25 08:15	04/02/25 11:55	1
Bromoform	ND		0.00670	0.00174	mg/Kg	✳	04/02/25 08:15	04/02/25 11:55	1
Bromomethane	ND		0.00670	0.00335	mg/Kg	✳	04/02/25 08:15	04/02/25 11:55	1
2-Butanone (MEK)	ND		0.0335	0.00804	mg/Kg	✳	04/02/25 08:15	04/02/25 11:55	1
n-Butylbenzene	ND		0.00670	0.00129	mg/Kg	✳	04/02/25 08:15	04/02/25 11:55	1
sec-Butylbenzene	ND		0.00670	0.00127	mg/Kg	✳	04/02/25 08:15	04/02/25 11:55	1
tert-Butylbenzene	ND		0.00670	0.00147	mg/Kg	✳	04/02/25 08:15	04/02/25 11:55	1
Carbon disulfide	ND		0.00670	0.00339	mg/Kg	✳	04/02/25 08:15	04/02/25 11:55	1
Carbon tetrachloride	ND		0.00670	0.00228	mg/Kg	✳	04/02/25 08:15	04/02/25 11:55	1
Chlorobenzene	ND		0.00670	0.00177	mg/Kg	✳	04/02/25 08:15	04/02/25 11:55	1
Chloroethane	ND		0.00670	0.00442	mg/Kg	✳	04/02/25 08:15	04/02/25 11:55	1
Chloroform	ND		0.00670	0.00182	mg/Kg	✳	04/02/25 08:15	04/02/25 11:55	1
Chloromethane	ND		0.00670	0.00296	mg/Kg	✳	04/02/25 08:15	04/02/25 11:55	1
2-Chlorotoluene	ND		0.00670	0.00222	mg/Kg	✳	04/02/25 08:15	04/02/25 11:55	1
4-Chlorotoluene	ND		0.00670	0.00131	mg/Kg	✳	04/02/25 08:15	04/02/25 11:55	1
Chlorodibromomethane	ND		0.00670	0.00161	mg/Kg	✳	04/02/25 08:15	04/02/25 11:55	1
1,2-Dibromo-3-Chloropropane	ND		0.00670	0.00442	mg/Kg	✳	04/02/25 08:15	04/02/25 11:55	1
Ethylene Dibromide	ND		0.00670	0.00134	mg/Kg	✳	04/02/25 08:15	04/02/25 11:55	1
Dibromomethane	ND		0.00670	0.00111	mg/Kg	✳	04/02/25 08:15	04/02/25 11:55	1
1,2-Dichlorobenzene	ND		0.00670	0.00213	mg/Kg	✳	04/02/25 08:15	04/02/25 11:55	1
1,3-Dichlorobenzene	ND		0.00670	0.00127	mg/Kg	✳	04/02/25 08:15	04/02/25 11:55	1
1,4-Dichlorobenzene	ND		0.00670	0.00115	mg/Kg	✳	04/02/25 08:15	04/02/25 11:55	1
trans-1,4-Dichloro-2-butene	ND		0.00670	0.00335	mg/Kg	✳	04/02/25 08:15	04/02/25 11:55	1
1,1-Dichloroethane	ND		0.00670	0.00111	mg/Kg	✳	04/02/25 08:15	04/02/25 11:55	1
1,2-Dichloroethane	ND		0.00670	0.00246	mg/Kg	✳	04/02/25 08:15	04/02/25 11:55	1
cis-1,2-Dichloroethene	ND		0.00670	0.00102	mg/Kg	✳	04/02/25 08:15	04/02/25 11:55	1
trans-1,2-Dichloroethene	ND		0.00670	0.00129	mg/Kg	✳	04/02/25 08:15	04/02/25 11:55	1
1,1-Dichloroethene	ND		0.00670	0.00281	mg/Kg	✳	04/02/25 08:15	04/02/25 11:55	1
1,2-Dichloropropane	ND		0.00670	0.00102	mg/Kg	✳	04/02/25 08:15	04/02/25 11:55	1
1,3-Dichloropropane	ND		0.00670	0.00134	mg/Kg	✳	04/02/25 08:15	04/02/25 11:55	1
2,2-Dichloropropane	ND		0.00670	0.00147	mg/Kg	✳	04/02/25 08:15	04/02/25 11:55	1
1,1-Dichloropropene	ND		0.00670	0.00111	mg/Kg	✳	04/02/25 08:15	04/02/25 11:55	1
cis-1,3-Dichloropropene	ND		0.00670	0.00161	mg/Kg	✳	04/02/25 08:15	04/02/25 11:55	1
trans-1,3-Dichloropropene	ND		0.00670	0.00147	mg/Kg	✳	04/02/25 08:15	04/02/25 11:55	1
Ethylbenzene	ND		0.00670	0.000817	mg/Kg	✳	04/02/25 08:15	04/02/25 11:55	1
Hexachlorobutadiene	ND		0.00670	0.00335	mg/Kg	✳	04/02/25 08:15	04/02/25 11:55	1
2-Hexanone	ND		0.0335	0.00670	mg/Kg	✳	04/02/25 08:15	04/02/25 11:55	1
Iodomethane	ND		0.00670	0.00455	mg/Kg	✳	04/02/25 08:15	04/02/25 11:55	1
Isopropylbenzene	ND		0.00670	0.000911	mg/Kg	✳	04/02/25 08:15	04/02/25 11:55	1
4-Isopropyltoluene	ND		0.00670	0.00134	mg/Kg	✳	04/02/25 08:15	04/02/25 11:55	1
Methylene Chloride	ND		0.0201	0.0134	mg/Kg	✳	04/02/25 08:15	04/02/25 11:55	1
4-Methyl-2-pentanone (MIBK)	ND		0.0335	0.0180	mg/Kg	✳	04/02/25 08:15	04/02/25 11:55	1
Methyl tert-butyl ether	ND		0.00670	0.00134	mg/Kg	✳	04/02/25 08:15	04/02/25 11:55	1
Naphthalene	ND		0.00670	0.00402	mg/Kg	✳	04/02/25 08:15	04/02/25 11:55	1
N-Propylbenzene	ND		0.00670	0.00121	mg/Kg	✳	04/02/25 08:15	04/02/25 11:55	1

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Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SED-6

Lab Sample ID: 752-30758-18

Date Collected: 03/19/25 09:15

Matrix: Solid

Date Received: 03/20/25 09:08

Percent Solids: 74.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.00670	0.00134	mg/Kg	✱	04/02/25 08:15	04/02/25 11:55	1
1,1,1,2-Tetrachloroethane	ND		0.00670	0.00147	mg/Kg	✱	04/02/25 08:15	04/02/25 11:55	1
1,1,1,2,2-Tetrachloroethane	ND		0.00670	0.00230	mg/Kg	✱	04/02/25 08:15	04/02/25 11:55	1
Tetrachloroethene	ND		0.00670	0.00402	mg/Kg	✱	04/02/25 08:15	04/02/25 11:55	1
Toluene	ND		0.00670	0.00134	mg/Kg	✱	04/02/25 08:15	04/02/25 11:55	1
1,2,3-Trichlorobenzene	ND		0.00670	0.00147	mg/Kg	✱	04/02/25 08:15	04/02/25 11:55	1
1,2,4-Trichlorobenzene	ND		0.00670	0.00269	mg/Kg	✱	04/02/25 08:15	04/02/25 11:55	1
1,1,1-Trichloroethane	ND		0.00670	0.00147	mg/Kg	✱	04/02/25 08:15	04/02/25 11:55	1
1,1,2-Trichloroethane	ND		0.00670	0.00216	mg/Kg	✱	04/02/25 08:15	04/02/25 11:55	1
Trichloroethene	ND		0.00670	0.00134	mg/Kg	✱	04/02/25 08:15	04/02/25 11:55	1
Trichlorofluoromethane	ND		0.00670	0.00324	mg/Kg	✱	04/02/25 08:15	04/02/25 11:55	1
1,2,3-Trichloropropane	ND		0.00670	0.00279	mg/Kg	✱	04/02/25 08:15	04/02/25 11:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00670	0.00252	mg/Kg	✱	04/02/25 08:15	04/02/25 11:55	1
1,2,4-Trimethylbenzene	ND		0.00670	0.00134	mg/Kg	✱	04/02/25 08:15	04/02/25 11:55	1
1,3,5-Trimethylbenzene	ND		0.00670	0.00111	mg/Kg	✱	04/02/25 08:15	04/02/25 11:55	1
Vinyl acetate	ND		0.0335	0.00855	mg/Kg	✱	04/02/25 08:15	04/02/25 11:55	1
Vinyl chloride	ND		0.00670	0.00292	mg/Kg	✱	04/02/25 08:15	04/02/25 11:55	1
o-Xylene	ND		0.00670	0.00402	mg/Kg	✱	04/02/25 08:15	04/02/25 11:55	1
m-Xylene & p-Xylene	ND		0.00670	0.00402	mg/Kg	✱	04/02/25 08:15	04/02/25 11:55	1
Xylenes, Total	ND		0.0134	0.00804	mg/Kg	✱	04/02/25 08:15	04/02/25 11:55	1
Isopropyl ether	ND		0.00670	0.00185	mg/Kg	✱	04/02/25 08:15	04/02/25 11:55	1
Hexane	ND		0.00670	0.00348	mg/Kg	✱	04/02/25 08:15	04/02/25 11:55	1
n-Heptane	ND		0.00670	0.00387	mg/Kg	✱	04/02/25 08:15	04/02/25 11:55	1
Ethyl acetate	ND		0.0268	0.00670	mg/Kg	✱	04/02/25 08:15	04/02/25 11:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		50 - 150	04/02/25 08:15	04/02/25 11:55	1
Dibromofluoromethane	108		50 - 150	04/02/25 08:15	04/02/25 11:55	1
Toluene-d8 (Surr)	99		50 - 150	04/02/25 08:15	04/02/25 11:55	1
1,2-Dichloroethane-d4 (Surr)	118		50 - 150	04/02/25 08:15	04/02/25 11:55	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		0.00763	0.00763	mg/Kg	✱	03/31/25 11:20	04/02/25 17:21	5

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	55		10 - 150	03/31/25 11:20	04/02/25 17:21	5

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.820	0.206	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
2,4,5-Trichlorophenol	ND		0.820	0.251	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
2,4,6-Trichlorophenol	ND		0.820	0.261	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
2,4-Dichlorophenol	ND		0.820	0.174	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
2,4-Dimethylphenol	ND		0.820	0.234	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
2,4-Dinitrophenol	ND		2.46	0.721	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
2,4-Dinitrotoluene	ND		0.820	0.251	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
2-Chlorophenol	ND		0.820	0.301	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
2-Chloronaphthalene	ND		0.820	0.191	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
2-Methylnaphthalene	ND		0.820	0.271	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
2-Methylphenol	ND		0.820	0.199	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2

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Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SED-6

Lab Sample ID: 752-30758-18

Date Collected: 03/19/25 09:15

Matrix: Solid

Date Received: 03/20/25 09:08

Percent Solids: 74.0

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		0.820	0.174	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
2-Nitrophenol	ND		0.820	0.293	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
3 & 4 Methylphenol	ND		1.64	0.191	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
3,3'-Dichlorobenzidine	ND	*+	0.820	0.273	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
3-Nitroaniline	ND		0.820	0.194	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
4,6-Dinitro-2-methylphenol	ND		0.820	0.597	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
4-Bromophenyl phenyl ether	ND		0.820	0.261	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
4-Chloro-3-methylphenol	ND		0.820	0.201	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
4-Chloroaniline	ND		0.820	0.201	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
4-Chlorophenyl phenyl ether	ND		0.820	0.0820	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
4-Nitroaniline	ND		0.820	0.281	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
Acenaphthene	ND		0.820	0.201	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
Acenaphthylene	ND		0.820	0.219	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
Acetophenone	ND		0.820	0.234	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
Anthracene	ND		0.820	0.194	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
Benzo[a]anthracene	ND		0.820	0.219	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
Benzo[a]pyrene	ND	*3	0.820	0.117	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
Benzo[b]fluoranthene	ND	*3	0.820	0.246	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
Benzo[g,h,i]perylene	ND	*3	0.820	0.273	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
Benzo[k]fluoranthene	ND	*3	0.820	0.194	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
Bis(2-chloroethoxy)methane	ND		0.820	0.181	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
Bis(2-chloroethyl)ether	ND		0.820	0.268	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
Bis(2-ethylhexyl) phthalate	ND		0.820	0.201	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
Chrysene	ND		0.820	0.263	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
Dibenz(a,h)anthracene	ND	*3	0.820	0.316	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
Dibenzofuran	ND		0.820	0.206	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
Di-n-butyl phthalate	ND		0.820	0.241	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
Diethyl phthalate	ND		0.820	0.263	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
Dimethyl phthalate	ND		0.820	0.221	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
Di-n-octyl phthalate	ND		0.820	0.298	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
Fluoranthene	ND		0.820	0.181	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
Fluorene	ND		0.820	0.224	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
Hexachlorobenzene	ND		0.820	0.249	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
Hexachlorobutadiene	ND		0.820	0.346	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
Hexachlorocyclopentadiene	ND		0.820	0.164	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
Hexachloroethane	ND		0.820	0.378	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
Indeno[1,2,3-cd]pyrene	ND	*3	0.820	0.331	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
Isophorone	ND		0.820	0.167	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
Naphthalene	ND		0.820	0.221	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
Nitrobenzene	ND		0.820	0.244	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
N-Nitrosodiphenylamine	ND		0.820	0.209	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
N-Nitrosodi-n-propylamine	ND		0.820	0.261	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
Pentachlorophenol	ND		1.64	0.398	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
Phenanthrene	ND		0.820	0.201	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
Phenol	ND		0.820	0.221	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
Pyrene	ND		0.820	0.194	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
Butyl benzyl phthalate	ND		0.820	0.398	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
bis (2-chloroisopropyl) ether	ND		0.820	0.313	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2
Carbazole	ND		0.820	0.278	mg/Kg	✱	03/25/25 16:37	03/28/25 20:31	2

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Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SED-6

Lab Sample ID: 752-30758-18

Date Collected: 03/19/25 09:15

Matrix: Solid

Date Received: 03/20/25 09:08

Percent Solids: 74.0

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		0.820	0.256	mg/Kg	☼	03/25/25 16:37	03/28/25 20:31	2
4-Nitrophenol	ND		0.820	0.746	mg/Kg	☼	03/25/25 16:37	03/28/25 20:31	2
Atrazine	ND		0.820	0.224	mg/Kg	☼	03/25/25 16:37	03/28/25 20:31	2
Benzaldehyde	ND		0.820	0.333	mg/Kg	☼	03/25/25 16:37	03/28/25 20:31	2
Caprolactam	ND		0.820	0.209	mg/Kg	☼	03/25/25 16:37	03/28/25 20:31	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	129		10 - 150	03/25/25 16:37	03/28/25 20:31	2
2-Fluorobiphenyl (Surr)	63		27 - 127	03/25/25 16:37	03/28/25 20:31	2
2-Fluorophenol (Surr)	58		25 - 128	03/25/25 16:37	03/28/25 20:31	2
Terphenyl-d14 (Surr)	87		24 - 146	03/25/25 16:37	03/28/25 20:31	2
Phenol-d5 (Surr)	54		29 - 130	03/25/25 16:37	03/28/25 20:31	2
Nitrobenzene-d5 (Surr)	43		15 - 136	03/25/25 16:37	03/28/25 20:31	2

Method: SW846 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		2.69	0.889	mg/Kg	☼		03/24/25 19:39	1
Sulfate	ND		26.9	9.83	mg/Kg	☼		03/24/25 19:39	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.0948	J	0.220	0.00255	mg/Kg	☼	03/26/25 08:20	03/27/25 18:37	5
Arsenic	0.779		0.528	0.0470	mg/Kg	☼	03/26/25 08:20	03/27/25 18:37	5
Chromium	7.22		0.879	0.181	mg/Kg	☼	03/26/25 08:20	03/27/25 18:37	5
Copper	113		0.440	0.0457	mg/Kg	☼	03/26/25 08:20	03/27/25 18:37	5
Cadmium	0.159	J	0.440	0.0143	mg/Kg	☼	03/26/25 08:20	03/27/25 18:37	5
Cobalt	1.81		0.660	0.0249	mg/Kg	☼	03/26/25 08:20	03/27/25 18:37	5
Barium	20.7		2.20	0.0124	mg/Kg	☼	03/26/25 08:20	03/27/25 18:37	5
Beryllium	0.176	J	0.440	0.0308	mg/Kg	☼	03/26/25 08:20	03/27/25 18:37	5
Manganese	149		0.879	0.0541	mg/Kg	☼	03/26/25 08:20	03/27/25 18:37	5
Nickel	13.6		0.879	0.0230	mg/Kg	☼	03/26/25 08:20	03/27/25 18:37	5
Lead	38.0		0.440	0.0519	mg/Kg	☼	03/26/25 08:20	03/27/25 18:37	5
Antimony	ND		0.879	0.201	mg/Kg	☼	03/26/25 08:20	03/27/25 18:37	5
Selenium	ND		2.20	0.156	mg/Kg	☼	03/26/25 08:20	03/27/25 18:37	5
Thallium	ND		0.616	0.0371	mg/Kg	☼	03/26/25 08:20	03/27/25 18:37	5
Vanadium	7.79		0.879	0.110	mg/Kg	☼	03/26/25 08:20	03/27/25 18:37	5
Zinc	56.4		2.20	1.82	mg/Kg	☼	03/26/25 08:20	03/27/25 18:37	5

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.127	0.0186	mg/Kg	☼	03/27/25 14:14	03/28/25 09:22	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	☼		03/31/25 16:34	1

Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SED-7

Lab Sample ID: 752-30758-19

Date Collected: 03/19/25 09:00

Matrix: Solid

Date Received: 03/20/25 09:08

Percent Solids: 77.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0798		0.0755	0.0363	mg/Kg	✳	04/02/25 08:15	04/02/25 12:17	1
Benzene	ND		0.0151	0.00202	mg/Kg	✳	04/02/25 08:15	04/02/25 12:17	1
Bromobenzene	ND		0.0151	0.00393	mg/Kg	✳	04/02/25 08:15	04/02/25 12:17	1
Chlorobromomethane	ND		0.0151	0.00245	mg/Kg	✳	04/02/25 08:15	04/02/25 12:17	1
Dichlorobromomethane	ND		0.0151	0.00278	mg/Kg	✳	04/02/25 08:15	04/02/25 12:17	1
Bromoform	ND		0.0151	0.00393	mg/Kg	✳	04/02/25 08:15	04/02/25 12:17	1
Bromomethane	ND		0.0151	0.00755	mg/Kg	✳	04/02/25 08:15	04/02/25 12:17	1
2-Butanone (MEK)	ND		0.0755	0.0181	mg/Kg	✳	04/02/25 08:15	04/02/25 12:17	1
n-Butylbenzene	ND		0.0151	0.00290	mg/Kg	✳	04/02/25 08:15	04/02/25 12:17	1
sec-Butylbenzene	ND		0.0151	0.00287	mg/Kg	✳	04/02/25 08:15	04/02/25 12:17	1
tert-Butylbenzene	ND		0.0151	0.00332	mg/Kg	✳	04/02/25 08:15	04/02/25 12:17	1
Carbon disulfide	ND		0.0151	0.00764	mg/Kg	✳	04/02/25 08:15	04/02/25 12:17	1
Carbon tetrachloride	ND		0.0151	0.00514	mg/Kg	✳	04/02/25 08:15	04/02/25 12:17	1
Chlorobenzene	ND		0.0151	0.00399	mg/Kg	✳	04/02/25 08:15	04/02/25 12:17	1
Chloroethane	ND		0.0151	0.00997	mg/Kg	✳	04/02/25 08:15	04/02/25 12:17	1
Chloroform	ND		0.0151	0.00411	mg/Kg	✳	04/02/25 08:15	04/02/25 12:17	1
Chloromethane	ND		0.0151	0.00668	mg/Kg	✳	04/02/25 08:15	04/02/25 12:17	1
2-Chlorotoluene	ND		0.0151	0.00502	mg/Kg	✳	04/02/25 08:15	04/02/25 12:17	1
4-Chlorotoluene	ND		0.0151	0.00296	mg/Kg	✳	04/02/25 08:15	04/02/25 12:17	1
Chlorodibromomethane	ND		0.0151	0.00363	mg/Kg	✳	04/02/25 08:15	04/02/25 12:17	1
1,2-Dibromo-3-Chloropropane	ND		0.0151	0.00997	mg/Kg	✳	04/02/25 08:15	04/02/25 12:17	1
Ethylene Dibromide	ND		0.0151	0.00302	mg/Kg	✳	04/02/25 08:15	04/02/25 12:17	1
Dibromomethane	ND		0.0151	0.00251	mg/Kg	✳	04/02/25 08:15	04/02/25 12:17	1
1,2-Dichlorobenzene	ND		0.0151	0.00480	mg/Kg	✳	04/02/25 08:15	04/02/25 12:17	1
1,3-Dichlorobenzene	ND		0.0151	0.00287	mg/Kg	✳	04/02/25 08:15	04/02/25 12:17	1
1,4-Dichlorobenzene	ND		0.0151	0.00260	mg/Kg	✳	04/02/25 08:15	04/02/25 12:17	1
trans-1,4-Dichloro-2-butene	ND		0.0151	0.00755	mg/Kg	✳	04/02/25 08:15	04/02/25 12:17	1
1,1-Dichloroethane	ND		0.0151	0.00251	mg/Kg	✳	04/02/25 08:15	04/02/25 12:17	1
1,2-Dichloroethane	ND		0.0151	0.00556	mg/Kg	✳	04/02/25 08:15	04/02/25 12:17	1
cis-1,2-Dichloroethene	ND		0.0151	0.00230	mg/Kg	✳	04/02/25 08:15	04/02/25 12:17	1
trans-1,2-Dichloroethene	ND		0.0151	0.00290	mg/Kg	✳	04/02/25 08:15	04/02/25 12:17	1
1,1-Dichloroethene	ND		0.0151	0.00634	mg/Kg	✳	04/02/25 08:15	04/02/25 12:17	1
1,2-Dichloropropane	ND		0.0151	0.00230	mg/Kg	✳	04/02/25 08:15	04/02/25 12:17	1
1,3-Dichloropropane	ND		0.0151	0.00302	mg/Kg	✳	04/02/25 08:15	04/02/25 12:17	1
2,2-Dichloropropane	ND		0.0151	0.00332	mg/Kg	✳	04/02/25 08:15	04/02/25 12:17	1
1,1-Dichloropropene	ND		0.0151	0.00251	mg/Kg	✳	04/02/25 08:15	04/02/25 12:17	1
cis-1,3-Dichloropropene	ND		0.0151	0.00363	mg/Kg	✳	04/02/25 08:15	04/02/25 12:17	1
trans-1,3-Dichloropropene	ND		0.0151	0.00332	mg/Kg	✳	04/02/25 08:15	04/02/25 12:17	1
Ethylbenzene	ND		0.0151	0.00184	mg/Kg	✳	04/02/25 08:15	04/02/25 12:17	1
Hexachlorobutadiene	ND		0.0151	0.00755	mg/Kg	✳	04/02/25 08:15	04/02/25 12:17	1
2-Hexanone	ND		0.0755	0.0151	mg/Kg	✳	04/02/25 08:15	04/02/25 12:17	1
Iodomethane	ND		0.0151	0.0103	mg/Kg	✳	04/02/25 08:15	04/02/25 12:17	1
Isopropylbenzene	ND		0.0151	0.00205	mg/Kg	✳	04/02/25 08:15	04/02/25 12:17	1
4-Isopropyltoluene	ND		0.0151	0.00302	mg/Kg	✳	04/02/25 08:15	04/02/25 12:17	1
Methylene Chloride	ND		0.0453	0.0302	mg/Kg	✳	04/02/25 08:15	04/02/25 12:17	1
4-Methyl-2-pentanone (MIBK)	ND		0.0755	0.0406	mg/Kg	✳	04/02/25 08:15	04/02/25 12:17	1
Methyl tert-butyl ether	ND		0.0151	0.00302	mg/Kg	✳	04/02/25 08:15	04/02/25 12:17	1
Naphthalene	ND		0.0151	0.00906	mg/Kg	✳	04/02/25 08:15	04/02/25 12:17	1
N-Propylbenzene	ND		0.0151	0.00272	mg/Kg	✳	04/02/25 08:15	04/02/25 12:17	1

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Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SED-7

Lab Sample ID: 752-30758-19

Date Collected: 03/19/25 09:00

Matrix: Solid

Date Received: 03/20/25 09:08

Percent Solids: 77.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.0151	0.00302	mg/Kg	☼	04/02/25 08:15	04/02/25 12:17	1
1,1,1,2-Tetrachloroethane	ND		0.0151	0.00332	mg/Kg	☼	04/02/25 08:15	04/02/25 12:17	1
1,1,1,2,2-Tetrachloroethane	ND		0.0151	0.00520	mg/Kg	☼	04/02/25 08:15	04/02/25 12:17	1
Tetrachloroethene	ND		0.0151	0.00906	mg/Kg	☼	04/02/25 08:15	04/02/25 12:17	1
Toluene	ND		0.0151	0.00302	mg/Kg	☼	04/02/25 08:15	04/02/25 12:17	1
1,2,3-Trichlorobenzene	ND		0.0151	0.00332	mg/Kg	☼	04/02/25 08:15	04/02/25 12:17	1
1,2,4-Trichlorobenzene	ND		0.0151	0.00607	mg/Kg	☼	04/02/25 08:15	04/02/25 12:17	1
1,1,1-Trichloroethane	ND		0.0151	0.00332	mg/Kg	☼	04/02/25 08:15	04/02/25 12:17	1
1,1,2-Trichloroethane	ND		0.0151	0.00486	mg/Kg	☼	04/02/25 08:15	04/02/25 12:17	1
Trichloroethene	ND		0.0151	0.00302	mg/Kg	☼	04/02/25 08:15	04/02/25 12:17	1
Trichlorofluoromethane	ND		0.0151	0.00731	mg/Kg	☼	04/02/25 08:15	04/02/25 12:17	1
1,2,3-Trichloropropane	ND		0.0151	0.00628	mg/Kg	☼	04/02/25 08:15	04/02/25 12:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.0151	0.00568	mg/Kg	☼	04/02/25 08:15	04/02/25 12:17	1
1,2,4-Trimethylbenzene	ND		0.0151	0.00302	mg/Kg	☼	04/02/25 08:15	04/02/25 12:17	1
1,3,5-Trimethylbenzene	ND		0.0151	0.00251	mg/Kg	☼	04/02/25 08:15	04/02/25 12:17	1
Vinyl acetate	ND		0.0755	0.0193	mg/Kg	☼	04/02/25 08:15	04/02/25 12:17	1
Vinyl chloride	ND		0.0151	0.00659	mg/Kg	☼	04/02/25 08:15	04/02/25 12:17	1
o-Xylene	ND		0.0151	0.00906	mg/Kg	☼	04/02/25 08:15	04/02/25 12:17	1
m-Xylene & p-Xylene	ND		0.0151	0.00906	mg/Kg	☼	04/02/25 08:15	04/02/25 12:17	1
Xylenes, Total	ND		0.0302	0.0181	mg/Kg	☼	04/02/25 08:15	04/02/25 12:17	1
Isopropyl ether	ND		0.0151	0.00417	mg/Kg	☼	04/02/25 08:15	04/02/25 12:17	1
Hexane	ND		0.0151	0.00786	mg/Kg	☼	04/02/25 08:15	04/02/25 12:17	1
n-Heptane	ND		0.0151	0.00873	mg/Kg	☼	04/02/25 08:15	04/02/25 12:17	1
Ethyl acetate	ND		0.0604	0.0151	mg/Kg	☼	04/02/25 08:15	04/02/25 12:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	94		50 - 150	04/02/25 08:15	04/02/25 12:17	1
Dibromofluoromethane	107		50 - 150	04/02/25 08:15	04/02/25 12:17	1
Toluene-d8 (Surr)	97		50 - 150	04/02/25 08:15	04/02/25 12:17	1
1,2-Dichloroethane-d4 (Surr)	121		50 - 150	04/02/25 08:15	04/02/25 12:17	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		0.00773	0.00773	mg/Kg	☼	03/31/25 11:20	04/02/25 17:43	5

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	60		10 - 150	03/31/25 11:20	04/02/25 17:43	5

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.832	0.209	mg/Kg	☼	03/25/25 16:37	03/28/25 20:56	2
2,4,5-Trichlorophenol	ND		0.832	0.255	mg/Kg	☼	03/25/25 16:37	03/28/25 20:56	2
2,4,6-Trichlorophenol	ND		0.832	0.265	mg/Kg	☼	03/25/25 16:37	03/28/25 20:56	2
2,4-Dichlorophenol	ND		0.832	0.176	mg/Kg	☼	03/25/25 16:37	03/28/25 20:56	2
2,4-Dimethylphenol	ND		0.832	0.237	mg/Kg	☼	03/25/25 16:37	03/28/25 20:56	2
2,4-Dinitrophenol	ND		2.49	0.731	mg/Kg	☼	03/25/25 16:37	03/28/25 20:56	2
2,4-Dinitrotoluene	ND		0.832	0.255	mg/Kg	☼	03/25/25 16:37	03/28/25 20:56	2
2-Chlorophenol	ND		0.832	0.305	mg/Kg	☼	03/25/25 16:37	03/28/25 20:56	2
2-Chloronaphthalene	ND		0.832	0.194	mg/Kg	☼	03/25/25 16:37	03/28/25 20:56	2
2-Methylnaphthalene	ND		0.832	0.275	mg/Kg	☼	03/25/25 16:37	03/28/25 20:56	2
2-Methylphenol	ND		0.832	0.202	mg/Kg	☼	03/25/25 16:37	03/28/25 20:56	2

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Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SED-7

Lab Sample ID: 752-30758-19

Date Collected: 03/19/25 09:00

Matrix: Solid

Date Received: 03/20/25 09:08

Percent Solids: 77.3

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		0.832	0.176	mg/Kg	✱	03/25/25 16:37	03/28/25 20:56	2
2-Nitrophenol	ND		0.832	0.297	mg/Kg	✱	03/25/25 16:37	03/28/25 20:56	2
3 & 4 Methylphenol	ND		1.66	0.194	mg/Kg	✱	03/25/25 16:37	03/28/25 20:56	2
3,3'-Dichlorobenzidine	ND	*+	0.832	0.277	mg/Kg	✱	03/25/25 16:37	03/28/25 20:56	2
3-Nitroaniline	ND		0.832	0.197	mg/Kg	✱	03/25/25 16:37	03/28/25 20:56	2
4,6-Dinitro-2-methylphenol	ND		0.832	0.605	mg/Kg	✱	03/25/25 16:37	03/28/25 20:56	2
4-Bromophenyl phenyl ether	ND		0.832	0.265	mg/Kg	✱	03/25/25 16:37	03/28/25 20:56	2
4-Chloro-3-methylphenol	ND		0.832	0.204	mg/Kg	✱	03/25/25 16:37	03/28/25 20:56	2
4-Chloroaniline	ND		0.832	0.204	mg/Kg	✱	03/25/25 16:37	03/28/25 20:56	2
4-Chlorophenyl phenyl ether	ND		0.832	0.0832	mg/Kg	✱	03/25/25 16:37	03/28/25 20:56	2
4-Nitroaniline	ND		0.832	0.285	mg/Kg	✱	03/25/25 16:37	03/28/25 20:56	2
Acenaphthene	ND		0.832	0.204	mg/Kg	✱	03/25/25 16:37	03/28/25 20:56	2
Acenaphthylene	ND		0.832	0.222	mg/Kg	✱	03/25/25 16:37	03/28/25 20:56	2
Acetophenone	ND		0.832	0.237	mg/Kg	✱	03/25/25 16:37	03/28/25 20:56	2
Anthracene	ND		0.832	0.197	mg/Kg	✱	03/25/25 16:37	03/28/25 20:56	2
Benzo[a]anthracene	ND		0.832	0.222	mg/Kg	✱	03/25/25 16:37	03/28/25 20:56	2
Benzo[a]pyrene	ND	*3	0.832	0.118	mg/Kg	✱	03/25/25 16:37	03/28/25 20:56	2
Benzo[b]fluoranthene	ND	*3	0.832	0.249	mg/Kg	✱	03/25/25 16:37	03/28/25 20:56	2
Benzo[g,h,i]perylene	ND	*3	0.832	0.277	mg/Kg	✱	03/25/25 16:37	03/28/25 20:56	2
Benzo[k]fluoranthene	ND	*3	0.832	0.197	mg/Kg	✱	03/25/25 16:37	03/28/25 20:56	2
Bis(2-chloroethoxy)methane	ND		0.832	0.184	mg/Kg	✱	03/25/25 16:37	03/28/25 20:56	2
Bis(2-chloroethyl)ether	ND		0.832	0.272	mg/Kg	✱	03/25/25 16:37	03/28/25 20:56	2
Bis(2-ethylhexyl) phthalate	ND		0.832	0.204	mg/Kg	✱	03/25/25 16:37	03/28/25 20:56	2
Chrysene	ND		0.832	0.267	mg/Kg	✱	03/25/25 16:37	03/28/25 20:56	2
Dibenz(a,h)anthracene	ND	*3	0.832	0.320	mg/Kg	✱	03/25/25 16:37	03/28/25 20:56	2
Dibenzofuran	ND		0.832	0.209	mg/Kg	✱	03/25/25 16:37	03/28/25 20:56	2
Di-n-butyl phthalate	ND		0.832	0.244	mg/Kg	✱	03/25/25 16:37	03/28/25 20:56	2
Diethyl phthalate	ND		0.832	0.267	mg/Kg	✱	03/25/25 16:37	03/28/25 20:56	2
Dimethyl phthalate	ND		0.832	0.224	mg/Kg	✱	03/25/25 16:37	03/28/25 20:56	2
Di-n-octyl phthalate	ND		0.832	0.302	mg/Kg	✱	03/25/25 16:37	03/28/25 20:56	2
Fluoranthene	ND		0.832	0.184	mg/Kg	✱	03/25/25 16:37	03/28/25 20:56	2
Fluorene	ND		0.832	0.227	mg/Kg	✱	03/25/25 16:37	03/28/25 20:56	2
Hexachlorobenzene	ND		0.832	0.252	mg/Kg	✱	03/25/25 16:37	03/28/25 20:56	2
Hexachlorobutadiene	ND		0.832	0.350	mg/Kg	✱	03/25/25 16:37	03/28/25 20:56	2
Hexachlorocyclopentadiene	ND		0.832	0.166	mg/Kg	✱	03/25/25 16:37	03/28/25 20:56	2
Hexachloroethane	ND		0.832	0.383	mg/Kg	✱	03/25/25 16:37	03/28/25 20:56	2
Indeno[1,2,3-cd]pyrene	ND	*3	0.832	0.335	mg/Kg	✱	03/25/25 16:37	03/28/25 20:56	2
Isophorone	ND		0.832	0.169	mg/Kg	✱	03/25/25 16:37	03/28/25 20:56	2
Naphthalene	ND		0.832	0.224	mg/Kg	✱	03/25/25 16:37	03/28/25 20:56	2
Nitrobenzene	ND		0.832	0.247	mg/Kg	✱	03/25/25 16:37	03/28/25 20:56	2
N-Nitrosodiphenylamine	ND		0.832	0.212	mg/Kg	✱	03/25/25 16:37	03/28/25 20:56	2
N-Nitrosodi-n-propylamine	ND		0.832	0.265	mg/Kg	✱	03/25/25 16:37	03/28/25 20:56	2
Pentachlorophenol	ND		1.66	0.403	mg/Kg	✱	03/25/25 16:37	03/28/25 20:56	2
Phenanthrene	ND		0.832	0.204	mg/Kg	✱	03/25/25 16:37	03/28/25 20:56	2
Phenol	ND		0.832	0.224	mg/Kg	✱	03/25/25 16:37	03/28/25 20:56	2
Pyrene	ND		0.832	0.197	mg/Kg	✱	03/25/25 16:37	03/28/25 20:56	2
Butyl benzyl phthalate	ND		0.832	0.403	mg/Kg	✱	03/25/25 16:37	03/28/25 20:56	2
bis (2-chloroisopropyl) ether	ND		0.832	0.318	mg/Kg	✱	03/25/25 16:37	03/28/25 20:56	2
Carbazole	ND		0.832	0.282	mg/Kg	✱	03/25/25 16:37	03/28/25 20:56	2

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Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SED-7

Lab Sample ID: 752-30758-19

Date Collected: 03/19/25 09:00

Matrix: Solid

Date Received: 03/20/25 09:08

Percent Solids: 77.3

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		0.832	0.260	mg/Kg	☼	03/25/25 16:37	03/28/25 20:56	2
4-Nitrophenol	ND		0.832	0.756	mg/Kg	☼	03/25/25 16:37	03/28/25 20:56	2
Atrazine	ND		0.832	0.227	mg/Kg	☼	03/25/25 16:37	03/28/25 20:56	2
Benzaldehyde	ND		0.832	0.338	mg/Kg	☼	03/25/25 16:37	03/28/25 20:56	2
Caprolactam	ND		0.832	0.212	mg/Kg	☼	03/25/25 16:37	03/28/25 20:56	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	122		10 - 150	03/25/25 16:37	03/28/25 20:56	2
2-Fluorobiphenyl (Surr)	60		27 - 127	03/25/25 16:37	03/28/25 20:56	2
2-Fluorophenol (Surr)	51		25 - 128	03/25/25 16:37	03/28/25 20:56	2
Terphenyl-d14 (Surr)	91		24 - 146	03/25/25 16:37	03/28/25 20:56	2
Phenol-d5 (Surr)	52		29 - 130	03/25/25 16:37	03/28/25 20:56	2
Nitrobenzene-d5 (Surr)	41		15 - 136	03/25/25 16:37	03/28/25 20:56	2

Method: SW846 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		2.57	0.849	mg/Kg	☼		03/24/25 19:48	1
Sulfate	ND		25.7	9.39	mg/Kg	☼		03/24/25 19:48	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.0285	J	0.197	0.00228	mg/Kg	☼	03/26/25 08:20	03/27/25 18:40	5
Arsenic	0.474		0.472	0.0421	mg/Kg	☼	03/26/25 08:20	03/27/25 18:40	5
Chromium	3.95		0.787	0.162	mg/Kg	☼	03/26/25 08:20	03/27/25 18:40	5
Copper	7.91		0.393	0.0409	mg/Kg	☼	03/26/25 08:20	03/27/25 18:40	5
Cadmium	0.0736	J	0.393	0.0128	mg/Kg	☼	03/26/25 08:20	03/27/25 18:40	5
Cobalt	1.51		0.590	0.0223	mg/Kg	☼	03/26/25 08:20	03/27/25 18:40	5
Barium	12.7		1.97	0.0111	mg/Kg	☼	03/26/25 08:20	03/27/25 18:40	5
Beryllium	0.113	J	0.393	0.0276	mg/Kg	☼	03/26/25 08:20	03/27/25 18:40	5
Manganese	39.7		0.787	0.0484	mg/Kg	☼	03/26/25 08:20	03/27/25 18:40	5
Nickel	4.97		0.787	0.0206	mg/Kg	☼	03/26/25 08:20	03/27/25 18:40	5
Lead	19.1		0.393	0.0464	mg/Kg	☼	03/26/25 08:20	03/27/25 18:40	5
Antimony	ND		0.787	0.180	mg/Kg	☼	03/26/25 08:20	03/27/25 18:40	5
Selenium	ND		1.97	0.140	mg/Kg	☼	03/26/25 08:20	03/27/25 18:40	5
Thallium	ND		0.551	0.0332	mg/Kg	☼	03/26/25 08:20	03/27/25 18:40	5
Vanadium	5.68		0.787	0.0988	mg/Kg	☼	03/26/25 08:20	03/27/25 18:40	5
Zinc	34.5		1.97	1.63	mg/Kg	☼	03/26/25 08:20	03/27/25 18:40	5

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.124	0.0182	mg/Kg	☼	03/27/25 14:14	03/28/25 09:25	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		1.26	0.404	mg/Kg	☼		03/31/25 16:34	1

Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SED-Dup

Lab Sample ID: 752-30758-20

Date Collected: 03/19/25 00:00

Matrix: Solid

Date Received: 03/20/25 09:08

Percent Solids: 78.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0750		0.0310	0.0149	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
Benzene	ND		0.00620	0.000831	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
Bromobenzene	ND		0.00620	0.00161	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
Chlorobromomethane	ND		0.00620	0.00100	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
Dichlorobromomethane	ND		0.00620	0.00114	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
Bromoform	ND		0.00620	0.00161	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
Bromomethane	ND		0.00620	0.00310	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
2-Butanone (MEK)	ND		0.0310	0.00744	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
n-Butylbenzene	ND		0.00620	0.00119	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
sec-Butylbenzene	ND		0.00620	0.00118	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
tert-Butylbenzene	ND		0.00620	0.00136	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
Carbon disulfide	ND		0.00620	0.00314	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
Carbon tetrachloride	ND	*+	0.00620	0.00211	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
Chlorobenzene	ND		0.00620	0.00164	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
Chloroethane	ND		0.00620	0.00409	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
Chloroform	ND		0.00620	0.00169	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
Chloromethane	ND		0.00620	0.00274	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
2-Chlorotoluene	ND		0.00620	0.00206	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
4-Chlorotoluene	ND		0.00620	0.00122	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
Chlorodibromomethane	ND		0.00620	0.00149	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
1,2-Dibromo-3-Chloropropane	ND		0.00620	0.00409	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
Ethylene Dibromide	ND		0.00620	0.00124	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
Dibromomethane	ND		0.00620	0.00103	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
1,2-Dichlorobenzene	ND		0.00620	0.00197	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
1,3-Dichlorobenzene	ND		0.00620	0.00118	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
1,4-Dichlorobenzene	ND		0.00620	0.00107	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
trans-1,4-Dichloro-2-butene	ND		0.00620	0.00310	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
1,1-Dichloroethane	ND		0.00620	0.00103	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
1,2-Dichloroethane	ND		0.00620	0.00228	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
cis-1,2-Dichloroethene	ND		0.00620	0.000943	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
trans-1,2-Dichloroethene	ND		0.00620	0.00119	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
1,1-Dichloroethene	ND		0.00620	0.00260	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
1,2-Dichloropropane	ND		0.00620	0.000943	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
1,3-Dichloropropane	ND		0.00620	0.00124	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
2,2-Dichloropropane	ND		0.00620	0.00136	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
1,1-Dichloropropene	ND		0.00620	0.00103	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
cis-1,3-Dichloropropene	ND		0.00620	0.00149	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
trans-1,3-Dichloropropene	ND		0.00620	0.00136	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
Ethylbenzene	ND		0.00620	0.000756	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
Hexachlorobutadiene	ND	*+	0.00620	0.00310	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
2-Hexanone	ND		0.0310	0.00620	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
Iodomethane	ND		0.00620	0.00422	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
Isopropylbenzene	ND		0.00620	0.000843	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
4-Isopropyltoluene	ND		0.00620	0.00124	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
Methylene Chloride	ND		0.0186	0.0124	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
4-Methyl-2-pentanone (MIBK)	ND		0.0310	0.0167	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
Methyl tert-butyl ether	ND		0.00620	0.00124	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
Naphthalene	ND		0.00620	0.00372	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
N-Propylbenzene	ND		0.00620	0.00112	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1

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Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SED-Dup

Lab Sample ID: 752-30758-20

Date Collected: 03/19/25 00:00

Matrix: Solid

Date Received: 03/20/25 09:08

Percent Solids: 78.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.00620	0.00124	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
1,1,1,2-Tetrachloroethane	ND		0.00620	0.00136	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
1,1,1,2,2-Tetrachloroethane	ND		0.00620	0.00213	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
Tetrachloroethene	ND		0.00620	0.00372	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
Toluene	ND		0.00620	0.00124	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
1,2,3-Trichlorobenzene	ND		0.00620	0.00136	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
1,2,4-Trichlorobenzene	ND		0.00620	0.00249	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
1,1,1-Trichloroethane	ND	*+	0.00620	0.00136	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
1,1,2-Trichloroethane	ND		0.00620	0.00200	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
Trichloroethene	ND		0.00620	0.00124	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
Trichlorofluoromethane	ND		0.00620	0.00300	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
1,2,3-Trichloropropane	ND		0.00620	0.00258	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00620	0.00233	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
1,2,4-Trimethylbenzene	ND		0.00620	0.00124	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
1,3,5-Trimethylbenzene	ND		0.00620	0.00103	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
Vinyl acetate	ND		0.0310	0.00791	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
Vinyl chloride	ND		0.00620	0.00270	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
o-Xylene	ND		0.00620	0.00372	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
m-Xylene & p-Xylene	ND		0.00620	0.00372	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
Xylenes, Total	ND		0.0124	0.00744	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
Isopropyl ether	ND		0.00620	0.00171	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
Hexane	ND		0.00620	0.00322	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
n-Heptane	ND		0.00620	0.00358	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1
Ethyl acetate	ND		0.0248	0.00620	mg/Kg	☼	03/30/25 11:06	03/30/25 20:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	74		50 - 150	03/30/25 11:06	03/30/25 20:16	1
Dibromofluoromethane	117		50 - 150	03/30/25 11:06	03/30/25 20:16	1
Toluene-d8 (Surr)	96		50 - 150	03/30/25 11:06	03/30/25 20:16	1
1,2-Dichloroethane-d4 (Surr)	149		50 - 150	03/30/25 11:06	03/30/25 20:16	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		0.00745	0.00745	mg/Kg	☼	03/31/25 11:20	04/02/25 18:05	5

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	52		10 - 150	03/31/25 11:20	04/02/25 18:05	5

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.811	0.204	mg/Kg	☼	03/25/25 16:37	03/28/25 21:20	2
2,4,5-Trichlorophenol	ND		0.811	0.248	mg/Kg	☼	03/25/25 16:37	03/28/25 21:20	2
2,4,6-Trichlorophenol	ND		0.811	0.258	mg/Kg	☼	03/25/25 16:37	03/28/25 21:20	2
2,4-Dichlorophenol	ND		0.811	0.172	mg/Kg	☼	03/25/25 16:37	03/28/25 21:20	2
2,4-Dimethylphenol	ND		0.811	0.231	mg/Kg	☼	03/25/25 16:37	03/28/25 21:20	2
2,4-Dinitrophenol	ND		2.43	0.712	mg/Kg	☼	03/25/25 16:37	03/28/25 21:20	2
2,4-Dinitrotoluene	ND		0.811	0.248	mg/Kg	☼	03/25/25 16:37	03/28/25 21:20	2
2-Chlorophenol	ND		0.811	0.297	mg/Kg	☼	03/25/25 16:37	03/28/25 21:20	2
2-Chloronaphthalene	ND		0.811	0.189	mg/Kg	☼	03/25/25 16:37	03/28/25 21:20	2
2-Methylnaphthalene	ND		0.811	0.268	mg/Kg	☼	03/25/25 16:37	03/28/25 21:20	2
2-Methylphenol	ND		0.811	0.196	mg/Kg	☼	03/25/25 16:37	03/28/25 21:20	2

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Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SED-Dup

Lab Sample ID: 752-30758-20

Date Collected: 03/19/25 00:00

Matrix: Solid

Date Received: 03/20/25 09:08

Percent Solids: 78.7

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		0.811	0.172	mg/Kg	✱	03/25/25 16:37	03/28/25 21:20	2
2-Nitrophenol	ND		0.811	0.290	mg/Kg	✱	03/25/25 16:37	03/28/25 21:20	2
3 & 4 Methylphenol	ND		1.62	0.189	mg/Kg	✱	03/25/25 16:37	03/28/25 21:20	2
3,3'-Dichlorobenzidine	ND	*+	0.811	0.270	mg/Kg	✱	03/25/25 16:37	03/28/25 21:20	2
3-Nitroaniline	ND		0.811	0.192	mg/Kg	✱	03/25/25 16:37	03/28/25 21:20	2
4,6-Dinitro-2-methylphenol	ND		0.811	0.589	mg/Kg	✱	03/25/25 16:37	03/28/25 21:20	2
4-Bromophenyl phenyl ether	ND		0.811	0.258	mg/Kg	✱	03/25/25 16:37	03/28/25 21:20	2
4-Chloro-3-methylphenol	ND		0.811	0.199	mg/Kg	✱	03/25/25 16:37	03/28/25 21:20	2
4-Chloroaniline	ND		0.811	0.199	mg/Kg	✱	03/25/25 16:37	03/28/25 21:20	2
4-Chlorophenyl phenyl ether	ND		0.811	0.0811	mg/Kg	✱	03/25/25 16:37	03/28/25 21:20	2
4-Nitroaniline	ND		0.811	0.278	mg/Kg	✱	03/25/25 16:37	03/28/25 21:20	2
Acenaphthene	ND		0.811	0.199	mg/Kg	✱	03/25/25 16:37	03/28/25 21:20	2
Acenaphthylene	ND		0.811	0.216	mg/Kg	✱	03/25/25 16:37	03/28/25 21:20	2
Acetophenone	ND		0.811	0.231	mg/Kg	✱	03/25/25 16:37	03/28/25 21:20	2
Anthracene	ND		0.811	0.192	mg/Kg	✱	03/25/25 16:37	03/28/25 21:20	2
Benzo[a]anthracene	ND		0.811	0.216	mg/Kg	✱	03/25/25 16:37	03/28/25 21:20	2
Benzo[a]pyrene	ND	*3	0.811	0.115	mg/Kg	✱	03/25/25 16:37	03/28/25 21:20	2
Benzo[b]fluoranthene	ND	*3	0.811	0.243	mg/Kg	✱	03/25/25 16:37	03/28/25 21:20	2
Benzo[g,h,i]perylene	ND	*3	0.811	0.270	mg/Kg	✱	03/25/25 16:37	03/28/25 21:20	2
Benzo[k]fluoranthene	ND	*3	0.811	0.192	mg/Kg	✱	03/25/25 16:37	03/28/25 21:20	2
Bis(2-chloroethoxy)methane	ND		0.811	0.179	mg/Kg	✱	03/25/25 16:37	03/28/25 21:20	2
Bis(2-chloroethyl)ether	ND		0.811	0.265	mg/Kg	✱	03/25/25 16:37	03/28/25 21:20	2
Bis(2-ethylhexyl) phthalate	ND		0.811	0.199	mg/Kg	✱	03/25/25 16:37	03/28/25 21:20	2
Chrysene	ND		0.811	0.260	mg/Kg	✱	03/25/25 16:37	03/28/25 21:20	2
Dibenz(a,h)anthracene	ND	*3	0.811	0.312	mg/Kg	✱	03/25/25 16:37	03/28/25 21:20	2
Dibenzofuran	ND		0.811	0.204	mg/Kg	✱	03/25/25 16:37	03/28/25 21:20	2
Di-n-butyl phthalate	ND		0.811	0.238	mg/Kg	✱	03/25/25 16:37	03/28/25 21:20	2
Diethyl phthalate	ND		0.811	0.260	mg/Kg	✱	03/25/25 16:37	03/28/25 21:20	2
Dimethyl phthalate	ND		0.811	0.219	mg/Kg	✱	03/25/25 16:37	03/28/25 21:20	2
Di-n-octyl phthalate	ND		0.811	0.295	mg/Kg	✱	03/25/25 16:37	03/28/25 21:20	2
Fluoranthene	ND		0.811	0.179	mg/Kg	✱	03/25/25 16:37	03/28/25 21:20	2
Fluorene	ND		0.811	0.221	mg/Kg	✱	03/25/25 16:37	03/28/25 21:20	2
Hexachlorobenzene	ND		0.811	0.246	mg/Kg	✱	03/25/25 16:37	03/28/25 21:20	2
Hexachlorobutadiene	ND		0.811	0.341	mg/Kg	✱	03/25/25 16:37	03/28/25 21:20	2
Hexachlorocyclopentadiene	ND		0.811	0.162	mg/Kg	✱	03/25/25 16:37	03/28/25 21:20	2
Hexachloroethane	ND		0.811	0.373	mg/Kg	✱	03/25/25 16:37	03/28/25 21:20	2
Indeno[1,2,3-cd]pyrene	ND	*3	0.811	0.327	mg/Kg	✱	03/25/25 16:37	03/28/25 21:20	2
Isophorone	ND		0.811	0.165	mg/Kg	✱	03/25/25 16:37	03/28/25 21:20	2
Naphthalene	ND		0.811	0.219	mg/Kg	✱	03/25/25 16:37	03/28/25 21:20	2
Nitrobenzene	ND		0.811	0.241	mg/Kg	✱	03/25/25 16:37	03/28/25 21:20	2
N-Nitrosodiphenylamine	ND		0.811	0.206	mg/Kg	✱	03/25/25 16:37	03/28/25 21:20	2
N-Nitrosodi-n-propylamine	ND		0.811	0.258	mg/Kg	✱	03/25/25 16:37	03/28/25 21:20	2
Pentachlorophenol	ND		1.62	0.393	mg/Kg	✱	03/25/25 16:37	03/28/25 21:20	2
Phenanthrene	ND		0.811	0.199	mg/Kg	✱	03/25/25 16:37	03/28/25 21:20	2
Phenol	ND		0.811	0.219	mg/Kg	✱	03/25/25 16:37	03/28/25 21:20	2
Pyrene	ND		0.811	0.192	mg/Kg	✱	03/25/25 16:37	03/28/25 21:20	2
Butyl benzyl phthalate	ND		0.811	0.393	mg/Kg	✱	03/25/25 16:37	03/28/25 21:20	2
bis (2-chloroisopropyl) ether	ND		0.811	0.309	mg/Kg	✱	03/25/25 16:37	03/28/25 21:20	2
Carbazole	ND		0.811	0.275	mg/Kg	✱	03/25/25 16:37	03/28/25 21:20	2

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Client Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SED-Dup

Lab Sample ID: 752-30758-20

Date Collected: 03/19/25 00:00

Matrix: Solid

Date Received: 03/20/25 09:08

Percent Solids: 78.7

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		0.811	0.253	mg/Kg	✳	03/25/25 16:37	03/28/25 21:20	2
4-Nitrophenol	ND		0.811	0.737	mg/Kg	✳	03/25/25 16:37	03/28/25 21:20	2
Atrazine	ND		0.811	0.221	mg/Kg	✳	03/25/25 16:37	03/28/25 21:20	2
Benzaldehyde	ND		0.811	0.329	mg/Kg	✳	03/25/25 16:37	03/28/25 21:20	2
Caprolactam	ND		0.811	0.206	mg/Kg	✳	03/25/25 16:37	03/28/25 21:20	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	117		10 - 150	03/25/25 16:37	03/28/25 21:20	2
2-Fluorobiphenyl (Surr)	53		27 - 127	03/25/25 16:37	03/28/25 21:20	2
2-Fluorophenol (Surr)	47		25 - 128	03/25/25 16:37	03/28/25 21:20	2
Terphenyl-d14 (Surr)	84		24 - 146	03/25/25 16:37	03/28/25 21:20	2
Phenol-d5 (Surr)	47		29 - 130	03/25/25 16:37	03/28/25 21:20	2
Nitrobenzene-d5 (Surr)	37		15 - 136	03/25/25 16:37	03/28/25 21:20	2

Method: SW846 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		2.53	0.835	mg/Kg	✳		03/24/25 19:56	1
Sulfate	13.5	J	25.3	9.24	mg/Kg	✳		03/24/25 19:56	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.0329	J	0.227	0.00263	mg/Kg	✳	03/26/25 08:20	03/27/25 18:42	5
Arsenic	1.14		0.545	0.0486	mg/Kg	✳	03/26/25 08:20	03/27/25 18:42	5
Chromium	7.00		0.909	0.187	mg/Kg	✳	03/26/25 08:20	03/27/25 18:42	5
Copper	18.9		0.454	0.0472	mg/Kg	✳	03/26/25 08:20	03/27/25 18:42	5
Cadmium	0.136	J	0.454	0.0148	mg/Kg	✳	03/26/25 08:20	03/27/25 18:42	5
Cobalt	2.77		0.681	0.0257	mg/Kg	✳	03/26/25 08:20	03/27/25 18:42	5
Barium	34.6		2.27	0.0129	mg/Kg	✳	03/26/25 08:20	03/27/25 18:42	5
Beryllium	0.171	J	0.454	0.0318	mg/Kg	✳	03/26/25 08:20	03/27/25 18:42	5
Manganese	113		0.909	0.0559	mg/Kg	✳	03/26/25 08:20	03/27/25 18:42	5
Nickel	10.6		0.909	0.0238	mg/Kg	✳	03/26/25 08:20	03/27/25 18:42	5
Lead	44.0		0.454	0.0536	mg/Kg	✳	03/26/25 08:20	03/27/25 18:42	5
Antimony	0.217	J	0.909	0.208	mg/Kg	✳	03/26/25 08:20	03/27/25 18:42	5
Selenium	ND		2.27	0.161	mg/Kg	✳	03/26/25 08:20	03/27/25 18:42	5
Thallium	ND		0.636	0.0383	mg/Kg	✳	03/26/25 08:20	03/27/25 18:42	5
Vanadium	11.6		0.909	0.114	mg/Kg	✳	03/26/25 08:20	03/27/25 18:42	5
Zinc	69.7		2.27	1.89	mg/Kg	✳	03/26/25 08:20	03/27/25 18:42	5

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0255	J	0.117	0.0171	mg/Kg	✳	03/27/25 14:14	03/28/25 09:28	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		1.19	0.381	mg/Kg	✳		03/31/25 16:34	1

Surrogate Summary

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB	DBFM	TOL	DCA
		(50-150)	(50-150)	(50-150)	(50-150)
752-30758-13	SED-1	93	112	99	121
752-30758-14	SED-2	93	115	100	122
752-30758-15	SED-3	74	121	88	152 S1+
752-30758-16	SED-4	94	109	100	123
752-30758-17	SED-5	92	103	100	122
752-30758-18	SED-6	93	108	99	118
752-30758-19	SED-7	94	107	97	121
752-30758-20	SED-Dup	74	117	96	149
LCS 400-703984/1-A	Lab Control Sample	83	106	96	126
LCS 400-704294/11-A	Lab Control Sample	89	109	100	106
MB 400-703984/2-A	Method Blank	78	118	95	134
MB 400-704294/12-A	Method Blank	92	106	101	106

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)

Lab Sample ID	Client Sample ID	BFB	DBFM	DCA	TOL
		(56-136)	(79-130)	(59-146)	(64-132)
752-30758-1	SW-1	105	94	92	101
752-30758-2	SW-2	106	93	93	100
752-30758-3	SW-3	106	92	90	102
752-30758-4	SW-4	107	93	93	102
752-30758-5	SW-5	106	95	91	97
752-30758-5 MS	SW-5	104	97	95	102
752-30758-5 MSD	SW-5	104	96	97	100
752-30758-6	SW-6	103	96	93	100
752-30758-7	SW-7	105	94	95	101
752-30758-8	SW-Dup	104	95	94	101
752-30758-9	Trip Blank 1	115	93	93	102
752-30758-10	Trip Blank 2	106	93	93	101
752-30758-11	Trip Blank 3	106	94	94	101
752-30758-12	Trip Blank 4	106	94	92	99
LCS 400-704134/1002	Lab Control Sample	105	91	93	101
LCS 400-704296/1002	Lab Control Sample	103	94	96	98
MB 400-704134/4	Method Blank	106	92	92	100
MB 400-704296/4	Method Blank	111	95	94	98

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Surrogate Summary

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (10-150)	FBP (27-127)	2FP (25-128)	TPHL (24-146)	PHL (29-130)	NBZ (15-136)
752-30758-13	SED-1	149	76	61	74	67	53
752-30758-13 MS	SED-1	161 S1+	84	64	95	65	71
752-30758-13 MSD	SED-1	155 S1+	79	65	85	64	67
752-30758-14	SED-2	120	56	52	68	50	39
752-30758-15	SED-3	121	63	58	82	56	43
752-30758-16	SED-4	122	59	53	77	52	42
752-30758-17	SED-5	119	58	55	85	55	40
752-30758-18	SED-6	129	63	58	87	54	43
752-30758-19	SED-7	122	60	51	91	52	41
752-30758-20	SED-Dup	117	53	47	84	47	37
LCSD 400-703462/20-A	Lab Control Sample Dup	90	83	71	84	70	76

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)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (10-150)	FBP (21-114)	2FP (10-105)	TPHL (13-150)	PHL (10-129)	NBZ (16-127)
752-30758-1	SW-1	76	70	35	84	25	56
752-30758-2	SW-2	81	71	34	85	24	58
752-30758-3	SW-3	77	68	30	84	21	56
752-30758-4	SW-4	78	71	38	87	28	59
752-30758-5	SW-5	76	74	38	84	28	59
752-30758-6	SW-6	80	72	39	86	28	61
752-30758-7	SW-7	79	67	38	87	26	58
752-30758-8	SW-Dup	72	64	33	82	22	53
LCS 400-703408/2-A	Lab Control Sample	91	74	44	90	35	71
LCSD 400-703408/3-A	Lab Control Sample Dup	91	74	42	90	33	71
MB 400-703408/1-A	Method Blank	81	68	35	96	23	63

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)

Isotope Dilution Summary

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Matrix: Solid

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DXE (10-150)
752-30758-13	SED-1	68
752-30758-13 MS	SED-1	52
752-30758-13 MSD	SED-1	53
752-30758-14	SED-2	57
752-30758-15	SED-3	61
752-30758-16	SED-4	51
752-30758-17	SED-5	51
752-30758-18	SED-6	55
752-30758-19	SED-7	60
752-30758-20	SED-Dup	52
LCS 400-704042/2-A	Lab Control Sample	59
MB 400-704042/1-A	Method Blank	59

Surrogate Legend

DXE = 1,4-Dioxane-d8

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Matrix: Water

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DXE (10-140)
752-30758-1	SW-1	29
752-30758-2	SW-2	30
752-30758-3	SW-3	31
752-30758-4	SW-4	23
752-30758-5	SW-5	26
752-30758-6	SW-6	29
752-30758-7	SW-7	27
752-30758-8	SW-Dup	30
LCS 400-703615/2-A	Lab Control Sample	30
LCSD 400-703615/3-A	Lab Control Sample Dup	28
MB 400-703615/1-A	Method Blank	32

Surrogate Legend

DXE = 1,4-Dioxane-d8

QC Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-703984/2-A
Matrix: Solid
Analysis Batch: 703977

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 703984

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetone	ND		0.0250	0.0120	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
Benzene	ND		0.00500	0.000670	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
Bromobenzene	ND		0.00500	0.00130	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
Bromoform	ND		0.00500	0.00130	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
Bromomethane	ND		0.00500	0.00250	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
2-Butanone (MEK)	ND		0.0250	0.00600	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
Chlorobromomethane	ND		0.00500	0.000810	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
Carbon disulfide	ND		0.00500	0.00253	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
Carbon tetrachloride	ND		0.00500	0.00170	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
Chlorobenzene	ND		0.00500	0.00132	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
Chloroethane	ND		0.00500	0.00330	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
Chloroform	ND		0.00500	0.00136	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
Chloromethane	ND		0.00500	0.00221	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
2-Chlorotoluene	ND		0.00500	0.00166	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
4-Chlorotoluene	ND		0.00500	0.000980	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
Chlorodibromomethane	ND		0.00500	0.00120	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
1,2-Dibromo-3-Chloropropane	ND		0.00500	0.00330	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
Dibromomethane	ND		0.00500	0.000830	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
1,2-Dichlorobenzene	ND		0.00500	0.00159	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
1,3-Dichlorobenzene	ND		0.00500	0.000950	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
Dichlorobromomethane	ND		0.00500	0.000920	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
1,4-Dichlorobenzene	ND		0.00500	0.000860	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
1,1-Dichloroethane	ND		0.00500	0.000830	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
1,2-Dichloroethane	ND		0.00500	0.00184	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
cis-1,2-Dichloroethene	ND		0.00500	0.000760	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
1,1-Dichloroethene	ND		0.00500	0.00210	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
1,2-Dichloropropane	ND		0.00500	0.000760	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
1,3-Dichloropropane	ND		0.00500	0.00100	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
2,2-Dichloropropane	ND		0.00500	0.00110	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
1,1-Dichloropropene	ND		0.00500	0.000830	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
Ethylene Dibromide	ND		0.00500	0.00100	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
cis-1,3-Dichloropropene	ND		0.00500	0.00120	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
Ethylbenzene	ND		0.00500	0.000610	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
Hexachlorobutadiene	ND		0.00500	0.00250	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
2-Hexanone	ND		0.0250	0.00500	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
Iodomethane	ND		0.00500	0.00340	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
Isopropylbenzene	ND		0.00500	0.000680	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
4-Isopropyltoluene	ND		0.00500	0.00100	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
Methylene Chloride	ND		0.0150	0.0100	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
4-Methyl-2-pentanone (MIBK)	ND		0.0250	0.0134	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
Methyl tert-butyl ether	ND		0.00500	0.00100	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
Naphthalene	ND		0.00500	0.00300	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
n-Butylbenzene	ND		0.00500	0.000960	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
N-Propylbenzene	ND		0.00500	0.000900	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
sec-Butylbenzene	ND		0.00500	0.000950	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
Styrene	ND		0.00500	0.00100	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
tert-Butylbenzene	ND		0.00500	0.00110	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
1,1,1,2-Tetrachloroethane	ND		0.00500	0.00110	mg/Kg		03/30/25 11:06	03/30/25 12:43	1

QC Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-703984/2-A
Matrix: Solid
Analysis Batch: 703977

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 703984

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.00500	0.00172	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
Tetrachloroethene	ND		0.00500	0.00300	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
Toluene	ND		0.00500	0.00100	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
trans-1,4-Dichloro-2-butene	ND		0.00500	0.00250	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
trans-1,2-Dichloroethene	ND		0.00500	0.000960	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
trans-1,3-Dichloropropene	ND		0.00500	0.00110	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
1,2,3-Trichlorobenzene	ND		0.00500	0.00110	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
1,2,4-Trichlorobenzene	ND		0.00500	0.00201	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
1,1,1-Trichloroethane	ND		0.00500	0.00110	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
1,1,2-Trichloroethane	ND		0.00500	0.00161	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
o-Xylene	ND		0.00500	0.00300	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
Trichloroethene	ND		0.00500	0.00100	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
m-Xylene & p-Xylene	ND		0.00500	0.00300	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
Trichlorofluoromethane	ND		0.00500	0.00242	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
1,2,3-Trichloropropane	ND		0.00500	0.00208	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00500	0.00188	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
1,2,4-Trimethylbenzene	ND		0.00500	0.00100	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
1,3,5-Trimethylbenzene	ND		0.00500	0.000830	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
Isopropyl ether	ND		0.00500	0.00138	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
Hexane	ND		0.00500	0.00260	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
Vinyl acetate	ND		0.0250	0.00638	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
n-Heptane	ND		0.00500	0.00289	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
Vinyl chloride	ND		0.00500	0.00218	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
Ethyl acetate	ND		0.0200	0.00500	mg/Kg		03/30/25 11:06	03/30/25 12:43	1
Xylenes, Total	ND		0.0100	0.00600	mg/Kg		03/30/25 11:06	03/30/25 12:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	78		50 - 150	03/30/25 11:06	03/30/25 12:43	1
Dibromofluoromethane	118		50 - 150	03/30/25 11:06	03/30/25 12:43	1
Toluene-d8 (Surr)	95		50 - 150	03/30/25 11:06	03/30/25 12:43	1
1,2-Dichloroethane-d4 (Surr)	134		50 - 150	03/30/25 11:06	03/30/25 12:43	1

Lab Sample ID: LCS 400-703984/1-A
Matrix: Solid
Analysis Batch: 703977

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 703984

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Acetone	0.200	0.1944		mg/Kg		97	48 - 150
Benzene	0.0500	0.04592		mg/Kg		92	65 - 130
Bromobenzene	0.0500	0.05193		mg/Kg		104	65 - 130
Bromoform	0.0500	0.05392		mg/Kg		108	52 - 136
Bromomethane	0.0500	0.06703		mg/Kg		134	12 - 150
2-Butanone (MEK)	0.200	0.1768		mg/Kg		88	55 - 130
Chlorobromomethane	0.0500	0.05483		mg/Kg		110	65 - 130
Carbon disulfide	0.0500	0.04186		mg/Kg		84	46 - 141
Carbon tetrachloride	0.0500	0.07659	*+	mg/Kg		153	60 - 130
Chlorobenzene	0.0500	0.05088		mg/Kg		102	70 - 130
Chloroethane	0.0500	0.05137		mg/Kg		103	55 - 134

QC Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-703984/1-A
Matrix: Solid
Analysis Batch: 703977

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 703984

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroform	0.0500	0.05524		mg/Kg		110	62 - 130
Chloromethane	0.0500	0.03137		mg/Kg		63	49 - 136
2-Chlorotoluene	0.0500	0.04265		mg/Kg		85	67 - 130
4-Chlorotoluene	0.0500	0.04408		mg/Kg		88	66 - 130
Chlorodibromomethane	0.0500	0.05820		mg/Kg		116	58 - 132
1,2-Dibromo-3-Chloropropane	0.0500	0.04121		mg/Kg		82	49 - 130
Dibromomethane	0.0500	0.05258		mg/Kg		105	65 - 130
1,2-Dichlorobenzene	0.0500	0.04940		mg/Kg		99	64 - 130
1,3-Dichlorobenzene	0.0500	0.05118		mg/Kg		102	66 - 130
Dichlorobromomethane	0.0500	0.05516		mg/Kg		110	61 - 130
1,4-Dichlorobenzene	0.0500	0.04824		mg/Kg		96	65 - 130
1,1-Dichloroethane	0.0500	0.04506		mg/Kg		90	59 - 130
1,2-Dichloroethane	0.0500	0.06353		mg/Kg		127	62 - 130
cis-1,2-Dichloroethene	0.0500	0.04771		mg/Kg		95	53 - 135
1,1-Dichloroethene	0.0500	0.05639		mg/Kg		113	55 - 137
1,2-Dichloropropane	0.0500	0.04272		mg/Kg		85	64 - 130
1,3-Dichloropropane	0.0500	0.04360		mg/Kg		87	67 - 130
2,2-Dichloropropane	0.0500	0.05683		mg/Kg		114	51 - 132
1,1-Dichloropropene	0.0500	0.05266		mg/Kg		105	65 - 130
Ethylene Dibromide	0.0500	0.04852		mg/Kg		97	67 - 130
cis-1,3-Dichloropropene	0.0500	0.04933		mg/Kg		99	61 - 130
Ethylbenzene	0.0500	0.04839		mg/Kg		97	70 - 130
Hexachlorobutadiene	0.0500	0.07114	*+	mg/Kg		142	62 - 133
2-Hexanone	0.200	0.1771		mg/Kg		89	57 - 131
Iodomethane	0.0500	0.06465		mg/Kg		129	12 - 150
Isopropylbenzene	0.0500	0.05210		mg/Kg		104	70 - 130
4-Isopropyltoluene	0.0500	0.05013		mg/Kg		100	68 - 130
Methylene Chloride	0.0500	0.04752		mg/Kg		95	57 - 132
4-Methyl-2-pentanone (MIBK)	0.200	0.1753		mg/Kg		88	58 - 130
Methyl tert-butyl ether	0.0500	0.05396		mg/Kg		108	63 - 130
Naphthalene	0.0500	0.04402		mg/Kg		88	45 - 144
n-Butylbenzene	0.0500	0.04624		mg/Kg		92	66 - 130
N-Propylbenzene	0.0500	0.04615		mg/Kg		92	67 - 130
sec-Butylbenzene	0.0500	0.04584		mg/Kg		92	67 - 130
Styrene	0.0500	0.04824		mg/Kg		96	68 - 130
tert-Butylbenzene	0.0500	0.05071		mg/Kg		101	67 - 130
1,1,1,2-Tetrachloroethane	0.0500	0.06048		mg/Kg		121	65 - 130
1,1,2,2-Tetrachloroethane	0.0500	0.03684		mg/Kg		74	60 - 131
Tetrachloroethene	0.0500	0.06313		mg/Kg		126	67 - 130
Toluene	0.0500	0.04678		mg/Kg		94	70 - 130
trans-1,4-Dichloro-2-butene	0.0500	0.04624		mg/Kg		92	45 - 137
trans-1,2-Dichloroethene	0.0500	0.05030		mg/Kg		101	58 - 134
trans-1,3-Dichloropropene	0.0500	0.05077		mg/Kg		102	60 - 130
1,2,3-Trichlorobenzene	0.0500	0.05071		mg/Kg		101	58 - 135
1,2,4-Trichlorobenzene	0.0500	0.04712		mg/Kg		94	56 - 138
1,1,1-Trichloroethane	0.0500	0.06754	*+	mg/Kg		135	63 - 130
1,1,2-Trichloroethane	0.0500	0.04151		mg/Kg		83	65 - 130
o-Xylene	0.0500	0.04919		mg/Kg		98	70 - 130
Trichloroethene	0.0500	0.06135		mg/Kg		123	65 - 130

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QC Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-703984/1-A
Matrix: Solid
Analysis Batch: 703977

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 703984

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
m-Xylene & p-Xylene	0.0500	0.04915		mg/Kg		98	70 - 130
Trichlorofluoromethane	0.0500	0.06604		mg/Kg		132	61 - 136
1,2,3-Trichloropropane	0.0500	0.04892		mg/Kg		98	60 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0500	0.06535		mg/Kg		131	47 - 143
1,2,4-Trimethylbenzene	0.0500	0.04530		mg/Kg		91	66 - 130
1,3,5-Trimethylbenzene	0.0500	0.04639		mg/Kg		93	67 - 130
Isopropyl ether	0.0500	0.03525		mg/Kg		70	62 - 130
Hexane	0.0500	0.03990		mg/Kg		80	57 - 132
Vinyl acetate	0.100	0.07872		mg/Kg		79	24 - 150
n-Heptane	0.0500	0.04097		mg/Kg		82	61 - 130
Vinyl chloride	0.0500	0.03433		mg/Kg		69	52 - 132
Ethyl acetate	0.100	0.07603		mg/Kg		76	21 - 150
Xylenes, Total	0.100	0.09834		mg/Kg		98	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	83		50 - 150
Dibromofluoromethane	106		50 - 150
Toluene-d8 (Surr)	96		50 - 150
1,2-Dichloroethane-d4 (Surr)	126		50 - 150

Lab Sample ID: MB 400-704134/4
Matrix: Water
Analysis Batch: 704134

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			04/01/25 08:03	1
Benzene	ND		1.00	0.500	ug/L			04/01/25 08:03	1
Bromobenzene	ND		1.00	0.540	ug/L			04/01/25 08:03	1
Bromoform	ND		5.00	0.250	ug/L			04/01/25 08:03	1
Bromomethane	ND		1.00	0.980	ug/L			04/01/25 08:03	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			04/01/25 08:03	1
Chlorobromomethane	ND		1.00	0.520	ug/L			04/01/25 08:03	1
Carbon disulfide	ND		1.00	0.500	ug/L			04/01/25 08:03	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			04/01/25 08:03	1
Chlorobenzene	ND		1.00	0.420	ug/L			04/01/25 08:03	1
Chloroethane	ND		1.00	0.760	ug/L			04/01/25 08:03	1
Chloroform	ND		1.00	0.900	ug/L			04/01/25 08:03	1
Chloromethane	ND		1.00	0.400	ug/L			04/01/25 08:03	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			04/01/25 08:03	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			04/01/25 08:03	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			04/01/25 08:03	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			04/01/25 08:03	1
Dibromomethane	ND		5.00	0.220	ug/L			04/01/25 08:03	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			04/01/25 08:03	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			04/01/25 08:03	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			04/01/25 08:03	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			04/01/25 08:03	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			04/01/25 08:03	1

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QC Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-704134/4
Matrix: Water
Analysis Batch: 704134

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		1.00	0.550	ug/L			04/01/25 08:03	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			04/01/25 08:03	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			04/01/25 08:03	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			04/01/25 08:03	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			04/01/25 08:03	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			04/01/25 08:03	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			04/01/25 08:03	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			04/01/25 08:03	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			04/01/25 08:03	1
Ethylbenzene	ND		1.00	0.500	ug/L			04/01/25 08:03	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			04/01/25 08:03	1
2-Hexanone	ND		25.0	4.26	ug/L			04/01/25 08:03	1
Iodomethane	ND		1.00	0.900	ug/L			04/01/25 08:03	1
Isopropylbenzene	ND		1.00	0.530	ug/L			04/01/25 08:03	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			04/01/25 08:03	1
Methylene Chloride	ND		5.00	3.00	ug/L			04/01/25 08:03	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			04/01/25 08:03	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			04/01/25 08:03	1
Naphthalene	ND		5.00	3.00	ug/L			04/01/25 08:03	1
n-Butylbenzene	ND		1.00	0.760	ug/L			04/01/25 08:03	1
N-Propylbenzene	ND		1.00	0.690	ug/L			04/01/25 08:03	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			04/01/25 08:03	1
Styrene	ND		1.00	1.00	ug/L			04/01/25 08:03	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			04/01/25 08:03	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			04/01/25 08:03	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			04/01/25 08:03	1
Tetrachloroethene	ND		1.00	0.330	ug/L			04/01/25 08:03	1
Toluene	ND		1.00	0.900	ug/L			04/01/25 08:03	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			04/01/25 08:03	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			04/01/25 08:03	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			04/01/25 08:03	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			04/01/25 08:03	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			04/01/25 08:03	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			04/01/25 08:03	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			04/01/25 08:03	1
o-Xylene	ND		5.00	3.00	ug/L			04/01/25 08:03	1
Trichloroethene	ND		1.00	0.150	ug/L			04/01/25 08:03	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			04/01/25 08:03	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			04/01/25 08:03	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			04/01/25 08:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			04/01/25 08:03	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			04/01/25 08:03	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			04/01/25 08:03	1
Isopropyl ether	ND		1.00	0.740	ug/L			04/01/25 08:03	1
Hexane	ND		1.00	0.960	ug/L			04/01/25 08:03	1
Vinyl acetate	ND		25.0	0.930	ug/L			04/01/25 08:03	1
n-Heptane	ND		1.00	0.210	ug/L			04/01/25 08:03	1
Vinyl chloride	ND		1.00	0.500	ug/L			04/01/25 08:03	1
Ethyl acetate	ND		10.0	6.14	ug/L			04/01/25 08:03	1

Eurofins Raleigh

QC Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-704134/4
Matrix: Water
Analysis Batch: 704134

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		10.0	6.00	ug/L			04/01/25 08:03	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	106		56 - 136					04/01/25 08:03	1
Dibromofluoromethane	92		79 - 130					04/01/25 08:03	1
Toluene-d8 (Surr)	100		64 - 132					04/01/25 08:03	1
1,2-Dichloroethane-d4 (Surr)	92		59 - 146					04/01/25 08:03	1

Lab Sample ID: LCS 400-704134/1002
Matrix: Water
Analysis Batch: 704134

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	254.5		ug/L		127	43 - 150
Benzene	50.0	48.18		ug/L		96	70 - 130
Bromobenzene	50.0	48.45		ug/L		97	70 - 132
Bromoform	50.0	43.16		ug/L		86	57 - 140
Bromomethane	50.0	43.60		ug/L		87	10 - 150
2-Butanone (MEK)	200	187.3		ug/L		94	61 - 145
Chlorobromomethane	50.0	46.04		ug/L		92	70 - 130
Carbon disulfide	50.0	42.21		ug/L		84	61 - 137
Carbon tetrachloride	50.0	42.16		ug/L		84	61 - 137
Chlorobenzene	50.0	49.84		ug/L		100	70 - 130
Chloroethane	50.0	52.20		ug/L		104	55 - 141
Chloroform	50.0	47.13		ug/L		94	69 - 130
Chloromethane	50.0	57.53		ug/L		115	58 - 137
2-Chlorotoluene	50.0	55.81		ug/L		112	70 - 130
4-Chlorotoluene	50.0	56.04		ug/L		112	70 - 130
Chlorodibromomethane	50.0	45.89		ug/L		92	67 - 135
1,2-Dibromo-3-Chloropropane	50.0	45.10		ug/L		90	54 - 135
Dibromomethane	50.0	45.92		ug/L		92	70 - 130
1,2-Dichlorobenzene	50.0	52.80		ug/L		106	67 - 130
1,3-Dichlorobenzene	50.0	53.45		ug/L		107	70 - 130
Dichlorobromomethane	50.0	44.79		ug/L		90	67 - 133
1,4-Dichlorobenzene	50.0	52.20		ug/L		104	70 - 130
1,1-Dichloroethane	50.0	48.80		ug/L		98	70 - 130
1,2-Dichloroethane	50.0	42.80		ug/L		86	69 - 130
cis-1,2-Dichloroethene	50.0	45.86		ug/L		92	68 - 130
1,1-Dichloroethene	50.0	51.58		ug/L		103	63 - 134
1,2-Dichloropropane	50.0	49.62		ug/L		99	70 - 130
1,3-Dichloropropane	50.0	50.00		ug/L		100	70 - 130
2,2-Dichloropropane	50.0	42.88		ug/L		86	52 - 135
1,1-Dichloropropene	50.0	45.60		ug/L		91	70 - 130
Ethylene Dibromide	50.0	48.54		ug/L		97	70 - 130
cis-1,3-Dichloropropene	50.0	49.13		ug/L		98	69 - 132
Ethylbenzene	50.0	51.58		ug/L		103	70 - 130
Hexachlorobutadiene	50.0	52.07		ug/L		104	53 - 140
2-Hexanone	200	238.4		ug/L		119	65 - 137

Eurofins Raleigh

QC Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-704134/1002
Matrix: Water
Analysis Batch: 704134

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iodomethane	50.0	43.92		ug/L		88	27 - 150
Isopropylbenzene	50.0	51.60		ug/L		103	70 - 130
4-Isopropyltoluene	50.0	56.42		ug/L		113	65 - 130
Methylene Chloride	50.0	52.06		ug/L		104	66 - 135
4-Methyl-2-pentanone (MIBK)	200	218.0		ug/L		109	69 - 138
Methyl tert-butyl ether	50.0	49.19		ug/L		98	66 - 130
Naphthalene	50.0	49.80		ug/L		100	47 - 149
n-Butylbenzene	50.0	62.55		ug/L		125	67 - 130
N-Propylbenzene	50.0	55.84		ug/L		112	70 - 130
sec-Butylbenzene	50.0	58.47		ug/L		117	66 - 130
Styrene	50.0	49.80		ug/L		100	70 - 130
tert-Butylbenzene	50.0	55.18		ug/L		110	64 - 139
1,1,1,2-Tetrachloroethane	50.0	47.40		ug/L		95	67 - 131
1,1,2,2-Tetrachloroethane	50.0	53.94		ug/L		108	70 - 131
Tetrachloroethene	50.0	44.73		ug/L		89	65 - 130
Toluene	50.0	48.85		ug/L		98	70 - 130
trans-1,4-Dichloro-2-butene	50.0	53.11		ug/L		106	57 - 140
trans-1,2-Dichloroethene	50.0	43.69		ug/L		87	70 - 130
trans-1,3-Dichloropropene	50.0	48.37		ug/L		97	63 - 130
1,2,3-Trichlorobenzene	50.0	50.48		ug/L		101	60 - 138
1,2,4-Trichlorobenzene	50.0	51.35		ug/L		103	60 - 140
1,1,1-Trichloroethane	50.0	43.52		ug/L		87	68 - 130
1,1,2-Trichloroethane	50.0	51.80		ug/L		104	70 - 130
o-Xylene	50.0	51.23		ug/L		102	70 - 130
Trichloroethene	50.0	46.09		ug/L		92	70 - 130
m-Xylene & p-Xylene	50.0	49.83		ug/L		100	70 - 130
Trichlorofluoromethane	50.0	45.38		ug/L		91	65 - 138
1,2,3-Trichloropropane	50.0	51.27		ug/L		103	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	44.57		ug/L		89	60 - 139
1,2,4-Trimethylbenzene	50.0	56.39		ug/L		113	70 - 130
1,3,5-Trimethylbenzene	50.0	56.13		ug/L		112	69 - 130
Isopropyl ether	50.0	57.19		ug/L		114	64 - 132
Hexane	50.0	43.43		ug/L		87	69 - 130
Vinyl acetate	100	109.7		ug/L		110	26 - 150
n-Heptane	50.0	49.44		ug/L		99	70 - 130
Vinyl chloride	50.0	49.97		ug/L		100	59 - 136
Ethyl acetate	100	92.17		ug/L		92	34 - 150
Xylenes, Total	100	101.1		ug/L		101	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	105		56 - 136
Dibromofluoromethane	91		79 - 130
Toluene-d8 (Surr)	101		64 - 132
1,2-Dichloroethane-d4 (Surr)	93		59 - 146

QC Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-704294/12-A
Matrix: Solid
Analysis Batch: 704276

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 704294

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetone	ND		0.0250	0.0120	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
Benzene	ND		0.00500	0.000670	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
Bromobenzene	ND		0.00500	0.00130	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
Bromoform	ND		0.00500	0.00130	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
Bromomethane	ND		0.00500	0.00250	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
2-Butanone (MEK)	ND		0.0250	0.00600	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
Chlorobromomethane	ND		0.00500	0.000810	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
Carbon disulfide	ND		0.00500	0.00253	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
Carbon tetrachloride	ND		0.00500	0.00170	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
Chlorobenzene	ND		0.00500	0.00132	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
Chloroethane	ND		0.00500	0.00330	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
Chloroform	ND		0.00500	0.00136	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
Chloromethane	ND		0.00500	0.00221	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
2-Chlorotoluene	ND		0.00500	0.00166	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
4-Chlorotoluene	ND		0.00500	0.000980	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
Chlorodibromomethane	ND		0.00500	0.00120	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
1,2-Dibromo-3-Chloropropane	ND		0.00500	0.00330	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
Dibromomethane	ND		0.00500	0.000830	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
1,2-Dichlorobenzene	ND		0.00500	0.00159	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
1,3-Dichlorobenzene	ND		0.00500	0.000950	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
Dichlorobromomethane	ND		0.00500	0.000920	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
1,4-Dichlorobenzene	ND		0.00500	0.000860	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
1,1-Dichloroethane	ND		0.00500	0.000830	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
1,2-Dichloroethane	ND		0.00500	0.00184	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
cis-1,2-Dichloroethene	ND		0.00500	0.000760	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
1,1-Dichloroethene	ND		0.00500	0.00210	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
1,2-Dichloropropane	ND		0.00500	0.000760	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
1,3-Dichloropropane	ND		0.00500	0.00100	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
2,2-Dichloropropane	ND		0.00500	0.00110	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
1,1-Dichloropropene	ND		0.00500	0.000830	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
Ethylene Dibromide	ND		0.00500	0.00100	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
cis-1,3-Dichloropropene	ND		0.00500	0.00120	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
Ethylbenzene	ND		0.00500	0.000610	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
Hexachlorobutadiene	ND		0.00500	0.00250	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
2-Hexanone	ND		0.0250	0.00500	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
Iodomethane	ND		0.00500	0.00340	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
Isopropylbenzene	ND		0.00500	0.000680	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
4-Isopropyltoluene	ND		0.00500	0.00100	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
Methylene Chloride	ND		0.0150	0.0100	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
4-Methyl-2-pentanone (MIBK)	ND		0.0250	0.0134	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
Methyl tert-butyl ether	ND		0.00500	0.00100	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
Naphthalene	ND		0.00500	0.00300	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
n-Butylbenzene	ND		0.00500	0.000960	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
N-Propylbenzene	ND		0.00500	0.000900	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
sec-Butylbenzene	ND		0.00500	0.000950	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
Styrene	ND		0.00500	0.00100	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
tert-Butylbenzene	ND		0.00500	0.00110	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
1,1,1,2-Tetrachloroethane	ND		0.00500	0.00110	mg/Kg		04/02/25 08:15	04/02/25 09:23	1

QC Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-704294/12-A
Matrix: Solid
Analysis Batch: 704276

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 704294

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.00500	0.00172	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
Tetrachloroethene	ND		0.00500	0.00300	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
Toluene	ND		0.00500	0.00100	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
trans-1,4-Dichloro-2-butene	ND		0.00500	0.00250	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
trans-1,2-Dichloroethene	ND		0.00500	0.000960	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
trans-1,3-Dichloropropene	ND		0.00500	0.00110	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
1,2,3-Trichlorobenzene	ND		0.00500	0.00110	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
1,2,4-Trichlorobenzene	ND		0.00500	0.00201	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
1,1,1-Trichloroethane	ND		0.00500	0.00110	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
1,1,2-Trichloroethane	ND		0.00500	0.00161	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
o-Xylene	ND		0.00500	0.00300	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
Trichloroethene	ND		0.00500	0.00100	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
m-Xylene & p-Xylene	ND		0.00500	0.00300	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
Trichlorofluoromethane	ND		0.00500	0.00242	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
1,2,3-Trichloropropane	ND		0.00500	0.00208	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00500	0.00188	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
1,2,4-Trimethylbenzene	ND		0.00500	0.00100	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
1,3,5-Trimethylbenzene	ND		0.00500	0.000830	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
Isopropyl ether	ND		0.00500	0.00138	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
Hexane	ND		0.00500	0.00260	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
Vinyl acetate	ND		0.0250	0.00638	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
n-Heptane	ND		0.00500	0.00289	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
Vinyl chloride	ND		0.00500	0.00218	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
Ethyl acetate	ND		0.0200	0.00500	mg/Kg		04/02/25 08:15	04/02/25 09:23	1
Xylenes, Total	ND		0.0100	0.00600	mg/Kg		04/02/25 08:15	04/02/25 09:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	92		50 - 150	04/02/25 08:15	04/02/25 09:23	1
Dibromofluoromethane	106		50 - 150	04/02/25 08:15	04/02/25 09:23	1
Toluene-d8 (Surr)	101		50 - 150	04/02/25 08:15	04/02/25 09:23	1
1,2-Dichloroethane-d4 (Surr)	106		50 - 150	04/02/25 08:15	04/02/25 09:23	1

Lab Sample ID: LCS 400-704294/11-A
Matrix: Solid
Analysis Batch: 704276

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 704294

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Acetone	0.200	0.1719		mg/Kg		86	48 - 150
Benzene	0.0500	0.04557		mg/Kg		91	65 - 130
Bromobenzene	0.0500	0.04712		mg/Kg		94	65 - 130
Bromoform	0.0500	0.04739		mg/Kg		95	52 - 136
Bromomethane	0.0500	0.05469		mg/Kg		109	12 - 150
2-Butanone (MEK)	0.200	0.1688		mg/Kg		84	55 - 130
Chlorobromomethane	0.0500	0.05591		mg/Kg		112	65 - 130
Carbon disulfide	0.0500	0.03914		mg/Kg		78	46 - 141
Carbon tetrachloride	0.0500	0.04851		mg/Kg		97	60 - 130
Chlorobenzene	0.0500	0.04681		mg/Kg		94	70 - 130
Chloroethane	0.0500	0.03661		mg/Kg		73	55 - 134

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QC Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-704294/11-A
Matrix: Solid
Analysis Batch: 704276

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 704294

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroform	0.0500	0.04989		mg/Kg		100	62 - 130
Chloromethane	0.0500	0.03146		mg/Kg		63	49 - 136
2-Chlorotoluene	0.0500	0.04310		mg/Kg		86	67 - 130
4-Chlorotoluene	0.0500	0.05112		mg/Kg		102	66 - 130
Chlorodibromomethane	0.0500	0.05022		mg/Kg		100	58 - 132
1,2-Dibromo-3-Chloropropane	0.0500	0.04115		mg/Kg		82	49 - 130
Dibromomethane	0.0500	0.04626		mg/Kg		93	65 - 130
1,2-Dichlorobenzene	0.0500	0.04905		mg/Kg		98	64 - 130
1,3-Dichlorobenzene	0.0500	0.04859		mg/Kg		97	66 - 130
Dichlorobromomethane	0.0500	0.04666		mg/Kg		93	61 - 130
1,4-Dichlorobenzene	0.0500	0.04667		mg/Kg		93	65 - 130
1,1-Dichloroethane	0.0500	0.04495		mg/Kg		90	59 - 130
1,2-Dichloroethane	0.0500	0.05070		mg/Kg		101	62 - 130
cis-1,2-Dichloroethene	0.0500	0.04625		mg/Kg		93	53 - 135
1,1-Dichloroethene	0.0500	0.04905		mg/Kg		98	55 - 137
1,2-Dichloropropane	0.0500	0.03877		mg/Kg		78	64 - 130
1,3-Dichloropropane	0.0500	0.04475		mg/Kg		90	67 - 130
2,2-Dichloropropane	0.0500	0.04769		mg/Kg		95	51 - 132
1,1-Dichloropropene	0.0500	0.04903		mg/Kg		98	65 - 130
Ethylene Dibromide	0.0500	0.04984		mg/Kg		100	67 - 130
cis-1,3-Dichloropropene	0.0500	0.04490		mg/Kg		90	61 - 130
Ethylbenzene	0.0500	0.04962		mg/Kg		99	70 - 130
Hexachlorobutadiene	0.0500	0.04366		mg/Kg		87	62 - 133
2-Hexanone	0.200	0.1592		mg/Kg		80	57 - 131
Iodomethane	0.0500	0.06512		mg/Kg		130	12 - 150
Isopropylbenzene	0.0500	0.04979		mg/Kg		100	70 - 130
4-Isopropyltoluene	0.0500	0.05543		mg/Kg		111	68 - 130
Methylene Chloride	0.0500	0.04476		mg/Kg		90	57 - 132
4-Methyl-2-pentanone (MIBK)	0.200	0.1541		mg/Kg		77	58 - 130
Methyl tert-butyl ether	0.0500	0.04558		mg/Kg		91	63 - 130
Naphthalene	0.0500	0.05514		mg/Kg		110	45 - 144
n-Butylbenzene	0.0500	0.05762		mg/Kg		115	66 - 130
N-Propylbenzene	0.0500	0.04931		mg/Kg		99	67 - 130
sec-Butylbenzene	0.0500	0.05206		mg/Kg		104	67 - 130
Styrene	0.0500	0.04848		mg/Kg		97	68 - 130
tert-Butylbenzene	0.0500	0.05345		mg/Kg		107	67 - 130
1,1,1,2-Tetrachloroethane	0.0500	0.05113		mg/Kg		102	65 - 130
1,1,2,2-Tetrachloroethane	0.0500	0.04629		mg/Kg		93	60 - 131
Tetrachloroethene	0.0500	0.04021		mg/Kg		80	67 - 130
Toluene	0.0500	0.05708		mg/Kg		114	70 - 130
trans-1,4-Dichloro-2-butene	0.0500	0.05116		mg/Kg		102	45 - 137
trans-1,2-Dichloroethene	0.0500	0.04872		mg/Kg		97	58 - 134
trans-1,3-Dichloropropene	0.0500	0.04363		mg/Kg		87	60 - 130
1,2,3-Trichlorobenzene	0.0500	0.05409		mg/Kg		108	58 - 135
1,2,4-Trichlorobenzene	0.0500	0.05686		mg/Kg		114	56 - 138
1,1,1-Trichloroethane	0.0500	0.04968		mg/Kg		99	63 - 130
1,1,2-Trichloroethane	0.0500	0.04507		mg/Kg		90	65 - 130
o-Xylene	0.0500	0.04987		mg/Kg		100	70 - 130
Trichloroethene	0.0500	0.04591		mg/Kg		92	65 - 130

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QC Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-704294/11-A
Matrix: Solid
Analysis Batch: 704276

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 704294

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
m-Xylene & p-Xylene	0.0500	0.05056		mg/Kg		101	70 - 130
Trichlorofluoromethane	0.0500	0.04078		mg/Kg		82	61 - 136
1,2,3-Trichloropropane	0.0500	0.04662		mg/Kg		93	60 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0500	0.04869		mg/Kg		97	47 - 143
1,2,4-Trimethylbenzene	0.0500	0.05625		mg/Kg		113	66 - 130
1,3,5-Trimethylbenzene	0.0500	0.05218		mg/Kg		104	67 - 130
Isopropyl ether	0.0500	0.03334		mg/Kg		67	62 - 130
Hexane	0.0500	0.03926		mg/Kg		79	57 - 132
Vinyl acetate	0.100	0.07844		mg/Kg		78	24 - 150
n-Heptane	0.0500	0.04139		mg/Kg		83	61 - 130
Vinyl chloride	0.0500	0.03096		mg/Kg		62	52 - 132
Ethyl acetate	0.100	0.09116		mg/Kg		91	21 - 150
Xylenes, Total	0.100	0.1004		mg/Kg		100	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	89		50 - 150
Dibromofluoromethane	109		50 - 150
Toluene-d8 (Surr)	100		50 - 150
1,2-Dichloroethane-d4 (Surr)	106		50 - 150

Lab Sample ID: MB 400-704296/4
Matrix: Water
Analysis Batch: 704296

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			04/02/25 10:35	1
Benzene	ND		1.00	0.500	ug/L			04/02/25 10:35	1
Bromobenzene	ND		1.00	0.540	ug/L			04/02/25 10:35	1
Bromoform	ND		5.00	0.250	ug/L			04/02/25 10:35	1
Bromomethane	ND		1.00	0.980	ug/L			04/02/25 10:35	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			04/02/25 10:35	1
Chlorobromomethane	ND		1.00	0.520	ug/L			04/02/25 10:35	1
Carbon disulfide	ND		1.00	0.500	ug/L			04/02/25 10:35	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			04/02/25 10:35	1
Chlorobenzene	ND		1.00	0.420	ug/L			04/02/25 10:35	1
Chloroethane	ND		1.00	0.760	ug/L			04/02/25 10:35	1
Chloroform	ND		1.00	0.900	ug/L			04/02/25 10:35	1
Chloromethane	ND		1.00	0.400	ug/L			04/02/25 10:35	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			04/02/25 10:35	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			04/02/25 10:35	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			04/02/25 10:35	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			04/02/25 10:35	1
Dibromomethane	ND		5.00	0.220	ug/L			04/02/25 10:35	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			04/02/25 10:35	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			04/02/25 10:35	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			04/02/25 10:35	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			04/02/25 10:35	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			04/02/25 10:35	1

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QC Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-704296/4
Matrix: Water
Analysis Batch: 704296

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		1.00	0.550	ug/L			04/02/25 10:35	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			04/02/25 10:35	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			04/02/25 10:35	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			04/02/25 10:35	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			04/02/25 10:35	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			04/02/25 10:35	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			04/02/25 10:35	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			04/02/25 10:35	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			04/02/25 10:35	1
Ethylbenzene	ND		1.00	0.500	ug/L			04/02/25 10:35	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			04/02/25 10:35	1
2-Hexanone	ND		25.0	4.26	ug/L			04/02/25 10:35	1
Iodomethane	ND		1.00	0.900	ug/L			04/02/25 10:35	1
Isopropylbenzene	ND		1.00	0.530	ug/L			04/02/25 10:35	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			04/02/25 10:35	1
Methylene Chloride	ND		5.00	3.00	ug/L			04/02/25 10:35	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			04/02/25 10:35	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			04/02/25 10:35	1
Naphthalene	ND		5.00	3.00	ug/L			04/02/25 10:35	1
n-Butylbenzene	ND		1.00	0.760	ug/L			04/02/25 10:35	1
N-Propylbenzene	ND		1.00	0.690	ug/L			04/02/25 10:35	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			04/02/25 10:35	1
Styrene	ND		1.00	1.00	ug/L			04/02/25 10:35	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			04/02/25 10:35	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			04/02/25 10:35	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			04/02/25 10:35	1
Tetrachloroethene	ND		1.00	0.330	ug/L			04/02/25 10:35	1
Toluene	ND		1.00	0.900	ug/L			04/02/25 10:35	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			04/02/25 10:35	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			04/02/25 10:35	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			04/02/25 10:35	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			04/02/25 10:35	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			04/02/25 10:35	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			04/02/25 10:35	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			04/02/25 10:35	1
o-Xylene	ND		5.00	3.00	ug/L			04/02/25 10:35	1
Trichloroethene	ND		1.00	0.150	ug/L			04/02/25 10:35	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			04/02/25 10:35	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			04/02/25 10:35	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			04/02/25 10:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			04/02/25 10:35	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			04/02/25 10:35	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			04/02/25 10:35	1
Isopropyl ether	ND		1.00	0.740	ug/L			04/02/25 10:35	1
Hexane	ND		1.00	0.960	ug/L			04/02/25 10:35	1
Vinyl acetate	ND		25.0	0.930	ug/L			04/02/25 10:35	1
n-Heptane	ND		1.00	0.210	ug/L			04/02/25 10:35	1
Vinyl chloride	ND		1.00	0.500	ug/L			04/02/25 10:35	1
Ethyl acetate	ND		10.0	6.14	ug/L			04/02/25 10:35	1

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QC Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-704296/4
Matrix: Water
Analysis Batch: 704296

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		10.0	6.00	ug/L			04/02/25 10:35	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	111		56 - 136					04/02/25 10:35	1
Dibromofluoromethane	95		79 - 130					04/02/25 10:35	1
Toluene-d8 (Surr)	98		64 - 132					04/02/25 10:35	1
1,2-Dichloroethane-d4 (Surr)	94		59 - 146					04/02/25 10:35	1

Lab Sample ID: LCS 400-704296/1002
Matrix: Water
Analysis Batch: 704296

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	222.7		ug/L		111	43 - 150
Benzene	50.0	49.14		ug/L		98	70 - 130
Bromobenzene	50.0	47.80		ug/L		96	70 - 132
Bromoform	50.0	42.22		ug/L		84	57 - 140
Bromomethane	50.0	43.09		ug/L		86	10 - 150
2-Butanone (MEK)	200	169.0		ug/L		85	61 - 145
Chlorobromomethane	50.0	47.08		ug/L		94	70 - 130
Carbon disulfide	50.0	44.70		ug/L		89	61 - 137
Carbon tetrachloride	50.0	42.99		ug/L		86	61 - 137
Chlorobenzene	50.0	49.65		ug/L		99	70 - 130
Chloroethane	50.0	52.76		ug/L		106	55 - 141
Chloroform	50.0	48.44		ug/L		97	69 - 130
Chloromethane	50.0	56.96		ug/L		114	58 - 137
2-Chlorotoluene	50.0	56.29		ug/L		113	70 - 130
4-Chlorotoluene	50.0	54.27		ug/L		109	70 - 130
Chlorodibromomethane	50.0	44.94		ug/L		90	67 - 135
1,2-Dibromo-3-Chloropropane	50.0	42.74		ug/L		85	54 - 135
Dibromomethane	50.0	46.32		ug/L		93	70 - 130
1,2-Dichlorobenzene	50.0	51.72		ug/L		103	67 - 130
1,3-Dichlorobenzene	50.0	52.79		ug/L		106	70 - 130
Dichlorobromomethane	50.0	46.59		ug/L		93	67 - 133
1,4-Dichlorobenzene	50.0	51.90		ug/L		104	70 - 130
1,1-Dichloroethane	50.0	50.37		ug/L		101	70 - 130
1,2-Dichloroethane	50.0	43.22		ug/L		86	69 - 130
cis-1,2-Dichloroethene	50.0	47.34		ug/L		95	68 - 130
1,1-Dichloroethene	50.0	55.21		ug/L		110	63 - 134
1,2-Dichloropropane	50.0	51.17		ug/L		102	70 - 130
1,3-Dichloropropane	50.0	50.28		ug/L		101	70 - 130
2,2-Dichloropropane	50.0	45.51		ug/L		91	52 - 135
1,1-Dichloropropene	50.0	47.59		ug/L		95	70 - 130
Ethylene Dibromide	50.0	48.12		ug/L		96	70 - 130
cis-1,3-Dichloropropene	50.0	49.28		ug/L		99	69 - 132
Ethylbenzene	50.0	52.07		ug/L		104	70 - 130
Hexachlorobutadiene	50.0	50.09		ug/L		100	53 - 140
2-Hexanone	200	210.5		ug/L		105	65 - 137

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QC Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-704296/1002
Matrix: Water
Analysis Batch: 704296

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iodomethane	50.0	47.13		ug/L		94	27 - 150
Isopropylbenzene	50.0	52.05		ug/L		104	70 - 130
4-Isopropyltoluene	50.0	55.90		ug/L		112	65 - 130
Methylene Chloride	50.0	50.32		ug/L		101	66 - 135
4-Methyl-2-pentanone (MIBK)	200	211.2		ug/L		106	69 - 138
Methyl tert-butyl ether	50.0	48.04		ug/L		96	66 - 130
Naphthalene	50.0	42.51		ug/L		85	47 - 149
n-Butylbenzene	50.0	65.14		ug/L		130	67 - 130
N-Propylbenzene	50.0	55.68		ug/L		111	70 - 130
sec-Butylbenzene	50.0	57.44		ug/L		115	66 - 130
Styrene	50.0	49.33		ug/L		99	70 - 130
tert-Butylbenzene	50.0	54.63		ug/L		109	64 - 139
1,1,1,2-Tetrachloroethane	50.0	46.44		ug/L		93	67 - 131
1,1,2,2-Tetrachloroethane	50.0	49.87		ug/L		100	70 - 131
Tetrachloroethene	50.0	43.64		ug/L		87	65 - 130
Toluene	50.0	48.59		ug/L		97	70 - 130
trans-1,4-Dichloro-2-butene	50.0	52.73		ug/L		105	57 - 140
trans-1,2-Dichloroethene	50.0	50.49		ug/L		101	70 - 130
trans-1,3-Dichloropropene	50.0	48.09		ug/L		96	63 - 130
1,2,3-Trichlorobenzene	50.0	44.03		ug/L		88	60 - 138
1,2,4-Trichlorobenzene	50.0	46.13		ug/L		92	60 - 140
1,1,1-Trichloroethane	50.0	45.73		ug/L		91	68 - 130
1,1,2-Trichloroethane	50.0	49.43		ug/L		99	70 - 130
o-Xylene	50.0	51.04		ug/L		102	70 - 130
Trichloroethene	50.0	46.92		ug/L		94	70 - 130
m-Xylene & p-Xylene	50.0	50.71		ug/L		101	70 - 130
Trichlorofluoromethane	50.0	49.50		ug/L		99	65 - 138
1,2,3-Trichloropropane	50.0	46.89		ug/L		94	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	43.66		ug/L		87	60 - 139
1,2,4-Trimethylbenzene	50.0	55.19		ug/L		110	70 - 130
1,3,5-Trimethylbenzene	50.0	54.72		ug/L		109	69 - 130
Isopropyl ether	50.0	75.30	*+	ug/L		151	64 - 132
Hexane	50.0	44.06		ug/L		88	69 - 130
Vinyl acetate	100	108.0		ug/L		108	26 - 150
n-Heptane	50.0	49.74		ug/L		99	70 - 130
Vinyl chloride	50.0	50.39		ug/L		101	59 - 136
Ethyl acetate	100	96.03		ug/L		96	34 - 150
Xylenes, Total	100	101.8		ug/L		102	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	103		56 - 136
Dibromofluoromethane	94		79 - 130
Toluene-d8 (Surr)	98		64 - 132
1,2-Dichloroethane-d4 (Surr)	96		59 - 146

QC Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 752-30758-5 MS
Matrix: Water
Analysis Batch: 704296

Client Sample ID: SW-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND		200	119.5		ug/L		60	43 - 150
Benzene	ND		50.0	51.36		ug/L		103	56 - 142
Bromobenzene	ND		50.0	45.77		ug/L		92	59 - 136
Bromoform	ND		50.0	44.38		ug/L		89	50 - 140
Bromomethane	ND		50.0	38.50		ug/L		77	10 - 150
2-Butanone (MEK)	ND		200	125.3		ug/L		63	55 - 150
Chlorobromomethane	ND		50.0	49.18		ug/L		98	64 - 140
Carbon disulfide	ND		50.0	45.33		ug/L		91	48 - 150
Carbon tetrachloride	ND		50.0	44.63		ug/L		89	55 - 145
Chlorobenzene	ND		50.0	48.60		ug/L		97	64 - 130
Chloroethane	ND		50.0	50.27		ug/L		101	50 - 150
Chloroform	ND		50.0	50.73		ug/L		101	60 - 141
Chloromethane	ND		50.0	57.49		ug/L		115	49 - 148
2-Chlorotoluene	ND		50.0	49.91		ug/L		100	53 - 134
4-Chlorotoluene	ND		50.0	49.02		ug/L		98	54 - 133
Chlorodibromomethane	ND		50.0	49.14		ug/L		98	56 - 143
1,2-Dibromo-3-Chloropropane	ND		50.0	48.86		ug/L		98	45 - 135
Dibromomethane	ND		50.0	49.69		ug/L		99	63 - 138
1,2-Dichlorobenzene	ND		50.0	47.39		ug/L		95	52 - 137
1,3-Dichlorobenzene	ND		50.0	46.57		ug/L		93	54 - 135
Dichlorobromomethane	ND		50.0	48.41		ug/L		97	59 - 143
1,4-Dichlorobenzene	ND		50.0	45.82		ug/L		92	53 - 135
1,1-Dichloroethane	ND		50.0	52.81		ug/L		106	61 - 144
1,2-Dichloroethane	ND		50.0	45.91		ug/L		92	60 - 141
cis-1,2-Dichloroethene	ND		50.0	70.47		ug/L		141	59 - 143
1,1-Dichloroethene	ND		50.0	52.57		ug/L		105	54 - 147
1,2-Dichloropropane	ND		50.0	53.26		ug/L		107	66 - 137
1,3-Dichloropropane	ND		50.0	53.91		ug/L		108	66 - 133
2,2-Dichloropropane	ND		50.0	45.34		ug/L		91	42 - 144
1,1-Dichloropropene	ND		50.0	48.07		ug/L		96	65 - 136
Ethylene Dibromide	ND		50.0	52.64		ug/L		105	64 - 132
cis-1,3-Dichloropropene	ND		50.0	50.15		ug/L		100	57 - 140
Ethylbenzene	ND		50.0	49.11		ug/L		98	58 - 131
Hexachlorobutadiene	ND		50.0	40.86		ug/L		82	31 - 149
2-Hexanone	ND		200	180.0		ug/L		90	65 - 140
Iodomethane	ND		50.0	48.88		ug/L		98	20 - 150
Isopropylbenzene	ND		50.0	48.25		ug/L		97	56 - 133
4-Isopropyltoluene	ND		50.0	47.70		ug/L		95	48 - 139
Methylene Chloride	ND		50.0	55.60		ug/L		111	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	230.5		ug/L		115	63 - 146
Methyl tert-butyl ether	ND		50.0	55.79		ug/L		112	59 - 137
Naphthalene	ND		50.0	45.32		ug/L		91	25 - 150
n-Butylbenzene	ND		50.0	50.66		ug/L		101	41 - 142
N-Propylbenzene	ND		50.0	49.76		ug/L		100	51 - 138
sec-Butylbenzene	ND		50.0	49.98		ug/L		100	50 - 138
Styrene	ND		50.0	47.83		ug/L		96	58 - 131
tert-Butylbenzene	ND		50.0	48.33		ug/L		97	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	47.73		ug/L		95	59 - 137

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QC Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 752-30758-5 MS
Matrix: Water
Analysis Batch: 704296

Client Sample ID: SW-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2,2-Tetrachloroethane	ND		50.0	55.92		ug/L		112	66 - 135
Tetrachloroethene	ND		50.0	42.22		ug/L		84	52 - 133
Toluene	ND		50.0	50.09		ug/L		100	65 - 130
trans-1,4-Dichloro-2-butene	ND		50.0	57.30		ug/L		115	43 - 147
trans-1,2-Dichloroethene	ND		50.0	51.79		ug/L		104	61 - 143
trans-1,3-Dichloropropene	ND		50.0	50.42		ug/L		101	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	43.40		ug/L		87	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	42.37		ug/L		85	39 - 148
1,1,1-Trichloroethane	ND		50.0	47.42		ug/L		95	57 - 142
1,1,2-Trichloroethane	ND		50.0	54.64		ug/L		109	66 - 131
o-Xylene	ND		50.0	49.01		ug/L		98	61 - 130
Trichloroethene	ND		50.0	47.71		ug/L		95	64 - 136
m-Xylene & p-Xylene	ND		50.0	47.91		ug/L		96	57 - 130
Trichlorofluoromethane	ND	F2	50.0	47.77		ug/L		96	54 - 150
1,2,3-Trichloropropane	ND		50.0	53.78		ug/L		108	65 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50.0	49.53		ug/L		99	55 - 150
1,2,4-Trimethylbenzene	ND		50.0	49.55		ug/L		99	50 - 139
1,3,5-Trimethylbenzene	ND		50.0	49.70		ug/L		99	52 - 135
Isopropyl ether	ND	*+	50.0	65.36		ug/L		131	60 - 144
Hexane	ND		50.0	45.25		ug/L		91	60 - 142
Vinyl acetate	ND		100	102.2		ug/L		102	26 - 150
n-Heptane	ND		50.0	49.25		ug/L		98	64 - 142
Vinyl chloride	ND		50.0	52.72		ug/L		105	46 - 150
Ethyl acetate	ND		100	100.2		ug/L		100	34 - 150
Xylenes, Total	ND		100	96.92		ug/L		97	59 - 130

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene	104		56 - 136
Dibromofluoromethane	97		79 - 130
Toluene-d8 (Surr)	102		64 - 132
1,2-Dichloroethane-d4 (Surr)	95		59 - 146

Lab Sample ID: 752-30758-5 MSD
Matrix: Water
Analysis Batch: 704296

Client Sample ID: SW-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	ND		200	116.5		ug/L		58	43 - 150	3	30
Benzene	ND		50.0	50.71		ug/L		101	56 - 142	1	30
Bromobenzene	ND		50.0	46.56		ug/L		93	59 - 136	2	30
Bromoform	ND		50.0	43.95		ug/L		88	50 - 140	1	30
Bromomethane	ND		50.0	39.93		ug/L		80	10 - 150	4	50
2-Butanone (MEK)	ND		200	112.4		ug/L		56	55 - 150	11	30
Chlorobromomethane	ND		50.0	49.20		ug/L		98	64 - 140	0	30
Carbon disulfide	ND		50.0	44.72		ug/L		89	48 - 150	1	30
Carbon tetrachloride	ND		50.0	43.99		ug/L		88	55 - 145	1	30
Chlorobenzene	ND		50.0	47.95		ug/L		96	64 - 130	1	30
Chloroethane	ND		50.0	46.28		ug/L		93	50 - 150	8	30

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QC Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 752-30758-5 MSD
Matrix: Water
Analysis Batch: 704296

Client Sample ID: SW-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloroform	ND		50.0	49.48		ug/L		99	60 - 141	3	30
Chloromethane	ND		50.0	61.56		ug/L		123	49 - 148	7	31
2-Chlorotoluene	ND		50.0	50.26		ug/L		101	53 - 134	1	30
4-Chlorotoluene	ND		50.0	49.39		ug/L		99	54 - 133	1	30
Chlorodibromomethane	ND		50.0	46.48		ug/L		93	56 - 143	6	30
1,2-Dibromo-3-Chloropropane	ND		50.0	46.74		ug/L		93	45 - 135	4	30
Dibromomethane	ND		50.0	47.91		ug/L		96	63 - 138	4	30
1,2-Dichlorobenzene	ND		50.0	48.26		ug/L		97	52 - 137	2	30
1,3-Dichlorobenzene	ND		50.0	48.03		ug/L		96	54 - 135	3	30
Dichlorobromomethane	ND		50.0	46.08		ug/L		92	59 - 143	5	30
1,4-Dichlorobenzene	ND		50.0	46.52		ug/L		93	53 - 135	2	30
1,1-Dichloroethane	ND		50.0	49.25		ug/L		98	61 - 144	7	30
1,2-Dichloroethane	ND		50.0	44.75		ug/L		90	60 - 141	3	30
cis-1,2-Dichloroethene	ND		50.0	53.28		ug/L		107	59 - 143	28	30
1,1-Dichloroethene	ND		50.0	55.49		ug/L		111	54 - 147	5	30
1,2-Dichloropropane	ND		50.0	50.16		ug/L		100	66 - 137	6	30
1,3-Dichloropropane	ND		50.0	51.94		ug/L		104	66 - 133	4	30
2,2-Dichloropropane	ND		50.0	44.01		ug/L		88	42 - 144	3	31
1,1-Dichloropropene	ND		50.0	46.83		ug/L		94	65 - 136	3	30
Ethylene Dibromide	ND		50.0	49.89		ug/L		100	64 - 132	5	30
cis-1,3-Dichloropropene	ND		50.0	48.13		ug/L		96	57 - 140	4	30
Ethylbenzene	ND		50.0	48.60		ug/L		97	58 - 131	1	30
Hexachlorobutadiene	ND		50.0	42.09		ug/L		84	31 - 149	3	36
2-Hexanone	ND		200	171.1		ug/L		86	65 - 140	5	30
Iodomethane	ND		50.0	48.84		ug/L		98	20 - 150	0	44
Isopropylbenzene	ND		50.0	48.17		ug/L		96	56 - 133	0	30
4-Isopropyltoluene	ND		50.0	48.38		ug/L		97	48 - 139	1	30
Methylene Chloride	ND		50.0	54.67		ug/L		109	60 - 146	2	32
4-Methyl-2-pentanone (MIBK)	ND		200	223.4		ug/L		112	63 - 146	3	30
Methyl tert-butyl ether	ND		50.0	54.15		ug/L		108	59 - 137	3	30
Naphthalene	ND		50.0	48.57		ug/L		97	25 - 150	7	30
n-Butylbenzene	ND		50.0	52.38		ug/L		105	41 - 142	3	31
N-Propylbenzene	ND		50.0	49.95		ug/L		100	51 - 138	0	30
sec-Butylbenzene	ND		50.0	51.07		ug/L		102	50 - 138	2	30
Styrene	ND		50.0	47.63		ug/L		95	58 - 131	0	30
tert-Butylbenzene	ND		50.0	49.43		ug/L		99	54 - 146	2	30
1,1,1,2-Tetrachloroethane	ND		50.0	46.17		ug/L		92	59 - 137	3	30
1,1,1,2,2-Tetrachloroethane	ND		50.0	54.31		ug/L		109	66 - 135	3	30
Tetrachloroethene	ND		50.0	41.71		ug/L		83	52 - 133	1	30
Toluene	ND		50.0	48.39		ug/L		97	65 - 130	3	30
trans-1,4-Dichloro-2-butene	ND		50.0	56.24		ug/L		112	43 - 147	2	36
trans-1,2-Dichloroethene	ND		50.0	50.82		ug/L		102	61 - 143	2	30
trans-1,3-Dichloropropene	ND		50.0	48.92		ug/L		98	53 - 133	3	30
1,2,3-Trichlorobenzene	ND		50.0	46.34		ug/L		93	43 - 145	7	30
1,2,4-Trichlorobenzene	ND		50.0	44.96		ug/L		90	39 - 148	6	30
1,1,1-Trichloroethane	ND		50.0	46.35		ug/L		93	57 - 142	2	30
1,1,2-Trichloroethane	ND		50.0	52.83		ug/L		106	66 - 131	3	30
o-Xylene	ND		50.0	48.83		ug/L		98	61 - 130	0	30
Trichloroethene	ND		50.0	46.64		ug/L		93	64 - 136	2	30

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QC Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 752-30758-5 MSD
Matrix: Water
Analysis Batch: 704296

Client Sample ID: SW-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	ND		50.0	47.16		ug/L		94	57 - 130	2	30
Trichlorofluoromethane	ND	F2	50.0	33.98	F2	ug/L		68	54 - 150	34	30
1,2,3-Trichloropropane	ND		50.0	52.92		ug/L		106	65 - 133	2	30
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50.0	47.87		ug/L		96	55 - 150	3	30
1,2,4-Trimethylbenzene	ND		50.0	50.32		ug/L		101	50 - 139	2	30
1,3,5-Trimethylbenzene	ND		50.0	50.81		ug/L		102	52 - 135	2	30
Isopropyl ether	ND	*+	50.0	67.02		ug/L		134	60 - 144	3	30
Hexane	ND		50.0	44.81		ug/L		90	60 - 142	1	30
Vinyl acetate	ND		100	99.99		ug/L		100	26 - 150	2	33
n-Heptane	ND		50.0	48.36		ug/L		97	64 - 142	2	30
Vinyl chloride	ND		50.0	55.37		ug/L		111	46 - 150	5	30
Ethyl acetate	ND		100	105.2		ug/L		105	34 - 150	5	30
Xylenes, Total	ND		100	95.98		ug/L		96	59 - 130	1	30

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene	104		56 - 136
Dibromofluoromethane	96		79 - 130
Toluene-d8 (Surr)	100		64 - 132
1,2-Dichloroethane-d4 (Surr)	97		59 - 146

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-703408/1-A
Matrix: Water
Analysis Batch: 703693

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 703408

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		10.0	3.60	ug/L		03/25/25 12:14	03/27/25 16:28	1
2,4,5-Trichlorophenol	ND		10.0	4.00	ug/L		03/25/25 12:14	03/27/25 16:28	1
2,4,6-Trichlorophenol	ND		10.0	3.50	ug/L		03/25/25 12:14	03/27/25 16:28	1
2,4-Dichlorophenol	ND		10.0	4.30	ug/L		03/25/25 12:14	03/27/25 16:28	1
2,4-Dimethylphenol	ND		10.0	5.20	ug/L		03/25/25 12:14	03/27/25 16:28	1
2,4-Dinitrophenol	ND		30.0	4.60	ug/L		03/25/25 12:14	03/27/25 16:28	1
2,4-Dinitrotoluene	ND		10.0	5.10	ug/L		03/25/25 12:14	03/27/25 16:28	1
2-Chlorophenol	ND		10.0	4.10	ug/L		03/25/25 12:14	03/27/25 16:28	1
2-Chloronaphthalene	ND		10.0	3.80	ug/L		03/25/25 12:14	03/27/25 16:28	1
2-Methylnaphthalene	ND		10.0	4.60	ug/L		03/25/25 12:14	03/27/25 16:28	1
2-Methylphenol	ND		10.0	3.20	ug/L		03/25/25 12:14	03/27/25 16:28	1
2-Nitroaniline	ND		10.0	5.00	ug/L		03/25/25 12:14	03/27/25 16:28	1
2-Nitrophenol	ND		10.0	4.60	ug/L		03/25/25 12:14	03/27/25 16:28	1
3 & 4 Methylphenol	ND		20.0	4.60	ug/L		03/25/25 12:14	03/27/25 16:28	1
3,3'-Dichlorobenzidine	ND		11.0	11.0	ug/L		03/25/25 12:14	03/27/25 16:28	1
3-Nitroaniline	ND		10.0	4.70	ug/L		03/25/25 12:14	03/27/25 16:28	1
4,6-Dinitro-2-methylphenol	ND		10.0	10.0	ug/L		03/25/25 12:14	03/27/25 16:28	1
4-Bromophenyl phenyl ether	ND		10.0	8.60	ug/L		03/25/25 12:14	03/27/25 16:28	1
4-Chloro-3-methylphenol	ND		10.0	5.30	ug/L		03/25/25 12:14	03/27/25 16:28	1
4-Chloroaniline	ND		10.0	4.70	ug/L		03/25/25 12:14	03/27/25 16:28	1
4-Chlorophenyl phenyl ether	ND		10.0	3.70	ug/L		03/25/25 12:14	03/27/25 16:28	1

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QC Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-703408/1-A
Matrix: Water
Analysis Batch: 703693

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 703408

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	ND		10.0	4.10	ug/L		03/25/25 12:14	03/27/25 16:28	1
Acenaphthene	ND		10.0	4.40	ug/L		03/25/25 12:14	03/27/25 16:28	1
Acenaphthylene	ND		10.0	4.10	ug/L		03/25/25 12:14	03/27/25 16:28	1
Acetophenone	ND		10.0	5.10	ug/L		03/25/25 12:14	03/27/25 16:28	1
Anthracene	ND		10.0	3.90	ug/L		03/25/25 12:14	03/27/25 16:28	1
Benzo[a]anthracene	ND		10.0	6.60	ug/L		03/25/25 12:14	03/27/25 16:28	1
Benzo[a]pyrene	ND		10.0	2.90	ug/L		03/25/25 12:14	03/27/25 16:28	1
Benzo[b]fluoranthene	ND		10.0	5.20	ug/L		03/25/25 12:14	03/27/25 16:28	1
Benzo[g,h,i]perylene	ND		10.0	3.10	ug/L		03/25/25 12:14	03/27/25 16:28	1
Benzo[k]fluoranthene	ND		10.0	3.30	ug/L		03/25/25 12:14	03/27/25 16:28	1
Bis(2-chloroethoxy)methane	ND		10.0	4.60	ug/L		03/25/25 12:14	03/27/25 16:28	1
Bis(2-chloroethyl)ether	ND		10.0	3.90	ug/L		03/25/25 12:14	03/27/25 16:28	1
Bis(2-ethylhexyl) phthalate	ND		10.0	8.90	ug/L		03/25/25 12:14	03/27/25 16:28	1
Chrysene	ND		10.0	6.40	ug/L		03/25/25 12:14	03/27/25 16:28	1
Dibenz(a,h)anthracene	ND		10.0	2.70	ug/L		03/25/25 12:14	03/27/25 16:28	1
Dibenzofuran	ND		10.0	4.00	ug/L		03/25/25 12:14	03/27/25 16:28	1
Di-n-butyl phthalate	ND		10.0	4.60	ug/L		03/25/25 12:14	03/27/25 16:28	1
Diethyl phthalate	ND		10.0	4.40	ug/L		03/25/25 12:14	03/27/25 16:28	1
Dimethyl phthalate	ND		10.0	4.20	ug/L		03/25/25 12:14	03/27/25 16:28	1
Di-n-octyl phthalate	ND		10.0	6.00	ug/L		03/25/25 12:14	03/27/25 16:28	1
Fluoranthene	ND		10.0	4.10	ug/L		03/25/25 12:14	03/27/25 16:28	1
Fluorene	ND		10.0	4.70	ug/L		03/25/25 12:14	03/27/25 16:28	1
Hexachlorobenzene	ND		10.0	9.70	ug/L		03/25/25 12:14	03/27/25 16:28	1
Hexachlorobutadiene	ND		10.0	3.70	ug/L		03/25/25 12:14	03/27/25 16:28	1
Hexachlorocyclopentadiene	ND		20.0	4.50	ug/L		03/25/25 12:14	03/27/25 16:28	1
Hexachloroethane	ND		10.0	5.20	ug/L		03/25/25 12:14	03/27/25 16:28	1
Indeno[1,2,3-cd]pyrene	ND		10.0	2.90	ug/L		03/25/25 12:14	03/27/25 16:28	1
Isophorone	ND		10.0	5.20	ug/L		03/25/25 12:14	03/27/25 16:28	1
Naphthalene	ND		10.0	4.00	ug/L		03/25/25 12:14	03/27/25 16:28	1
Nitrobenzene	ND		10.0	4.70	ug/L		03/25/25 12:14	03/27/25 16:28	1
N-Nitrosodiphenylamine	ND		10.0	3.70	ug/L		03/25/25 12:14	03/27/25 16:28	1
N-Nitrosodi-n-propylamine	ND		10.0	2.50	ug/L		03/25/25 12:14	03/27/25 16:28	1
Pentachlorophenol	ND		20.0	11.9	ug/L		03/25/25 12:14	03/27/25 16:28	1
Phenanthrene	ND		10.0	2.80	ug/L		03/25/25 12:14	03/27/25 16:28	1
Phenol	ND		10.0	4.20	ug/L		03/25/25 12:14	03/27/25 16:28	1
Pyrene	ND		10.0	3.90	ug/L		03/25/25 12:14	03/27/25 16:28	1
Butyl benzyl phthalate	ND		10.0	5.80	ug/L		03/25/25 12:14	03/27/25 16:28	1
bis (2-chloroisopropyl) ether	ND		10.0	1.80	ug/L		03/25/25 12:14	03/27/25 16:28	1
Carbazole	ND		10.0	5.00	ug/L		03/25/25 12:14	03/27/25 16:28	1
2,6-Dinitrotoluene	ND		10.0	3.90	ug/L		03/25/25 12:14	03/27/25 16:28	1
4-Nitrophenol	ND		10.0	3.30	ug/L		03/25/25 12:14	03/27/25 16:28	1
Atrazine	ND		10.0	5.00	ug/L		03/25/25 12:14	03/27/25 16:28	1
Benzaldehyde	ND		10.0	2.30	ug/L		03/25/25 12:14	03/27/25 16:28	1
Caprolactam	ND		10.0	2.40	ug/L		03/25/25 12:14	03/27/25 16:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	81		10 - 150	03/25/25 12:14	03/27/25 16:28	1
2-Fluorobiphenyl (Surr)	68		21 - 114	03/25/25 12:14	03/27/25 16:28	1

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QC Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-703408/1-A
Matrix: Water
Analysis Batch: 703693

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 703408

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Fluorophenol (Surr)	35		10 - 105	03/25/25 12:14	03/27/25 16:28	1
Terphenyl-d14 (Surr)	96		13 - 150	03/25/25 12:14	03/27/25 16:28	1
Phenol-d5 (Surr)	23		10 - 129	03/25/25 12:14	03/27/25 16:28	1
Nitrobenzene-d5 (Surr)	63		16 - 127	03/25/25 12:14	03/27/25 16:28	1

Lab Sample ID: LCS 400-703408/2-A
Matrix: Water
Analysis Batch: 703693

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 703408

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,5-Trichlorophenol	120	127.7		ug/L		106	30 - 144
2,4,6-Trichlorophenol	120	94.02		ug/L		78	27 - 147
2,4-Dichlorophenol	120	101.0		ug/L		84	33 - 132
2,4-Dimethylphenol	120	86.24		ug/L		72	38 - 132
2,4-Dinitrophenol	240	257.4		ug/L		107	15 - 150
2,4-Dinitrotoluene	120	121.1		ug/L		101	35 - 136
2-Chlorophenol	120	81.34		ug/L		68	27 - 124
2-Chloronaphthalene	120	102.7		ug/L		86	24 - 132
2-Methylnaphthalene	120	101.3		ug/L		84	28 - 129
2-Methylphenol	120	78.64		ug/L		66	34 - 124
2-Nitroaniline	120	106.7		ug/L		89	24 - 139
2-Nitrophenol	120	103.8		ug/L		86	25 - 148
3 & 4 Methylphenol	120	69.32		ug/L		58	32 - 122
3,3'-Dichlorobenzidine	240	367.5	*+	ug/L		153	10 - 150
3-Nitroaniline	120	124.9		ug/L		104	10 - 128
4,6-Dinitro-2-methylphenol	240	234.1		ug/L		98	14 - 150
4-Bromophenyl phenyl ether	120	117.1		ug/L		98	17 - 150
4-Chloro-3-methylphenol	120	101.5		ug/L		85	37 - 131
4-Chloroaniline	120	115.7		ug/L		96	10 - 124
4-Chlorophenyl phenyl ether	120	113.7		ug/L		95	27 - 147
4-Nitroaniline	120	103.2		ug/L		86	28 - 118
Acenaphthene	120	103.8		ug/L		87	23 - 140
Acenaphthylene	120	108.2		ug/L		90	31 - 133
Acetophenone	120	85.63		ug/L		71	28 - 126
Anthracene	120	112.2		ug/L		94	31 - 146
Benzo[a]anthracene	120	104.5		ug/L		87	25 - 148
Benzo[a]pyrene	120	109.7		ug/L		91	16 - 150
Benzo[b]fluoranthene	120	111.1		ug/L		93	15 - 150
Benzo[g,h,i]perylene	120	109.7		ug/L		91	10 - 150
Benzo[k]fluoranthene	120	109.2		ug/L		91	15 - 150
Bis(2-chloroethoxy)methane	120	87.39		ug/L		73	24 - 125
Bis(2-chloroethyl)ether	120	85.59		ug/L		71	10 - 121
Bis(2-ethylhexyl) phthalate	120	104.8		ug/L		87	16 - 150
Chrysene	120	106.9		ug/L		89	23 - 150
Dibenz(a,h)anthracene	120	102.3		ug/L		85	10 - 150
Dibenzofuran	120	110.4		ug/L		92	30 - 135
Di-n-butyl phthalate	120	105.0		ug/L		87	27 - 150

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QC Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-703408/2-A
Matrix: Water
Analysis Batch: 703693

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 703408

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diethyl phthalate	120	108.6		ug/L		91	37 - 145
Dimethyl phthalate	120	109.0		ug/L		91	32 - 137
Di-n-octyl phthalate	120	110.3		ug/L		92	26 - 150
Fluoranthene	120	106.8		ug/L		89	27 - 150
Fluorene	120	111.8		ug/L		93	29 - 143
Hexachlorobenzene	120	132.8		ug/L		111	10 - 150
Hexachlorobutadiene	120	65.07		ug/L		54	10 - 150
Hexachlorocyclopentadiene	120	74.54		ug/L		62	10 - 124
Hexachloroethane	120	61.97		ug/L		52	10 - 127
Indeno[1,2,3-cd]pyrene	120	99.15		ug/L		83	10 - 150
Isophorone	120	85.80		ug/L		72	28 - 127
Naphthalene	120	82.33		ug/L		69	24 - 128
Nitrobenzene	120	80.32		ug/L		67	29 - 120
N-Nitrosodiphenylamine	119	109.5		ug/L		92	29 - 138
N-Nitrosodi-n-propylamine	120	89.38		ug/L		74	24 - 142
Pentachlorophenol	240	200.0		ug/L		83	19 - 150
Phenanthrene	120	110.2		ug/L		92	30 - 143
Phenol	120	49.52		ug/L		41	11 - 95
Pyrene	120	104.1		ug/L		87	21 - 149
Butyl benzyl phthalate	120	102.9		ug/L		86	21 - 150
bis (2-chloroisopropyl) ether	120	96.22		ug/L		80	14 - 123
Carbazole	120	119.3		ug/L		99	37 - 145
2,6-Dinitrotoluene	120	107.4		ug/L		89	29 - 140
4-Nitrophenol	240	110.4		ug/L		46	12 - 129
Atrazine	120	106.1		ug/L		88	10 - 150
Benzaldehyde	120	127.8		ug/L		106	10 - 150
Caprolactam	120	25.57		ug/L		21	10 - 143

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	91		10 - 150
2-Fluorobiphenyl (Surr)	74		21 - 114
2-Fluorophenol (Surr)	44		10 - 105
Terphenyl-d14 (Surr)	90		13 - 150
Phenol-d5 (Surr)	35		10 - 129
Nitrobenzene-d5 (Surr)	71		16 - 127

Lab Sample ID: LCSD 400-703408/3-A
Matrix: Water
Analysis Batch: 703693

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 703408

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl	120	100.2		ug/L		83	24 - 130	1	40
2,4,5-Trichlorophenol	120	129.9		ug/L		108	30 - 144	2	40
2,4,6-Trichlorophenol	120	91.49		ug/L		76	27 - 147	3	40
2,4-Dichlorophenol	120	101.1		ug/L		84	33 - 132	0	40
2,4-Dimethylphenol	120	88.44		ug/L		74	38 - 132	3	40
2,4-Dinitrophenol	240	266.4		ug/L		111	15 - 150	3	40
2,4-Dinitrotoluene	120	122.6		ug/L		102	35 - 136	1	40

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QC Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 400-703408/3-A
Matrix: Water
Analysis Batch: 703693

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 703408

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	RPD Limit
							Limits	RPD		
2-Chlorophenol	120	80.47		ug/L		67	27 - 124	1	40	
2-Chloronaphthalene	120	102.3		ug/L		85	24 - 132	0	40	
2-Methylnaphthalene	120	101.4		ug/L		85	28 - 129	0	40	
2-Methylphenol	120	89.45		ug/L		75	34 - 124	13	40	
2-Nitroaniline	120	107.1		ug/L		89	24 - 139	0	40	
2-Nitrophenol	120	104.4		ug/L		87	25 - 148	1	40	
3 & 4 Methylphenol	120	71.73		ug/L		60	32 - 122	3	40	
3,3'-Dichlorobenzidine	240	378.1	*+	ug/L		158	10 - 150	3	40	
3-Nitroaniline	120	123.8		ug/L		103	10 - 128	1	40	
4,6-Dinitro-2-methylphenol	240	241.1		ug/L		100	14 - 150	3	40	
4-Bromophenyl phenyl ether	120	117.9		ug/L		98	17 - 150	1	40	
4-Chloro-3-methylphenol	120	101.3		ug/L		84	37 - 131	0	40	
4-Chloroaniline	120	116.4		ug/L		97	10 - 124	1	40	
4-Chlorophenyl phenyl ether	120	113.9		ug/L		95	27 - 147	0	40	
4-Nitroaniline	120	101.8		ug/L		85	28 - 118	1	40	
Acenaphthene	120	105.1		ug/L		88	23 - 140	1	40	
Acenaphthylene	120	109.7		ug/L		91	31 - 133	1	40	
Acetophenone	120	86.65		ug/L		72	28 - 126	1	40	
Anthracene	120	114.4		ug/L		95	31 - 146	2	40	
Benzo[a]anthracene	120	106.7		ug/L		89	25 - 148	2	40	
Benzo[a]pyrene	120	109.2		ug/L		91	16 - 150	0	40	
Benzo[b]fluoranthene	120	114.5		ug/L		95	15 - 150	3	40	
Benzo[g,h,i]perylene	120	110.0		ug/L		92	10 - 150	0	40	
Benzo[k]fluoranthene	120	108.2		ug/L		90	15 - 150	1	40	
Bis(2-chloroethoxy)methane	120	88.13		ug/L		73	24 - 125	1	40	
Bis(2-chloroethyl)ether	120	83.66		ug/L		70	10 - 121	2	40	
Bis(2-ethylhexyl) phthalate	120	104.7		ug/L		87	16 - 150	0	40	
Chrysene	120	109.0		ug/L		91	23 - 150	2	40	
Dibenz(a,h)anthracene	120	103.6		ug/L		86	10 - 150	1	40	
Dibenzofuran	120	111.3		ug/L		93	30 - 135	1	40	
Di-n-butyl phthalate	120	106.9		ug/L		89	27 - 150	2	40	
Diethyl phthalate	120	110.1		ug/L		92	37 - 145	1	40	
Dimethyl phthalate	120	110.5		ug/L		92	32 - 137	1	40	
Di-n-octyl phthalate	120	110.1		ug/L		92	26 - 150	0	40	
Fluoranthene	120	107.0		ug/L		89	27 - 150	0	40	
Fluorene	120	112.9		ug/L		94	29 - 143	1	40	
Hexachlorobenzene	120	133.7		ug/L		111	10 - 150	1	40	
Hexachlorobutadiene	120	62.10		ug/L		52	10 - 150	5	40	
Hexachlorocyclopentadiene	120	71.98		ug/L		60	10 - 124	3	40	
Hexachloroethane	120	60.71		ug/L		51	10 - 127	2	40	
Indeno[1,2,3-cd]pyrene	120	100.5		ug/L		84	10 - 150	1	40	
Isophorone	120	86.23		ug/L		72	28 - 127	0	40	
Naphthalene	120	82.66		ug/L		69	24 - 128	0	40	
Nitrobenzene	120	79.72		ug/L		66	29 - 120	1	40	
N-Nitrosodiphenylamine	119	110.8		ug/L		93	29 - 138	1	40	
N-Nitrosodi-n-propylamine	120	89.85		ug/L		75	24 - 142	1	40	
Pentachlorophenol	240	200.1		ug/L		83	19 - 150	0	40	
Phenanthrene	120	110.7		ug/L		92	30 - 143	0	40	
Phenol	120	46.96		ug/L		39	11 - 95	5	40	

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QC Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 400-703408/3-A
Matrix: Water
Analysis Batch: 703693

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 703408

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Pyrene	120	106.1		ug/L		88	21 - 149	2	40	
Butyl benzyl phthalate	120	103.7		ug/L		86	21 - 150	1	40	
bis (2-chloroisopropyl) ether	120	95.43		ug/L		80	14 - 123	1	40	
Carbazole	120	120.7		ug/L		101	37 - 145	1	40	
2,6-Dinitrotoluene	120	107.5		ug/L		90	29 - 140	0	40	
4-Nitrophenol	240	109.1		ug/L		45	12 - 129	1	40	
Atrazine	120	107.7		ug/L		90	10 - 150	2	40	
Benzaldehyde	120	126.9		ug/L		106	10 - 150	1	40	
Caprolactam	120	23.92		ug/L		20	10 - 143	7	40	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	91		10 - 150
2-Fluorobiphenyl (Surr)	74		21 - 114
2-Fluorophenol (Surr)	42		10 - 105
Terphenyl-d14 (Surr)	90		13 - 150
Phenol-d5 (Surr)	33		10 - 129
Nitrobenzene-d5 (Surr)	71		16 - 127

Lab Sample ID: LCSD 400-703462/20-A
Matrix: Solid
Analysis Batch: 704031

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 703462

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
1,1'-Biphenyl	2.00	1.753		mg/Kg		88	47 - 100	3	30	
2,4,5-Trichlorophenol	2.00	1.777		mg/Kg		89	50 - 118	3	30	
2,4,6-Trichlorophenol	2.00	1.790		mg/Kg		89	49 - 115	3	30	
2,4-Dichlorophenol	2.00	1.650		mg/Kg		82	53 - 120	2	30	
2,4-Dimethylphenol	2.00	1.524		mg/Kg		76	45 - 108	2	30	
2,4-Dinitrophenol	4.00	1.595		mg/Kg		40	10 - 138	22	30	
2,4-Dinitrotoluene	2.00	1.886		mg/Kg		94	53 - 133	3	30	
2-Chlorophenol	2.00	1.494		mg/Kg		75	50 - 102	0	30	
2-Chloronaphthalene	2.00	1.763		mg/Kg		88	48 - 102	3	30	
2-Methylnaphthalene	2.00	1.678		mg/Kg		84	39 - 112	4	30	
2-Methylphenol	2.00	1.501		mg/Kg		75	49 - 111	1	30	
2-Nitroaniline	2.00	1.620		mg/Kg		81	46 - 108	2	30	
2-Nitrophenol	2.00	1.740		mg/Kg		87	53 - 120	3	30	
3 & 4 Methylphenol	2.00	1.482		mg/Kg		74	47 - 123	2	30	
3,3'-Dichlorobenzidine	2.67	3.521	*+	mg/Kg		132	42 - 120	17	30	
3-Nitroaniline	2.00	1.895		mg/Kg		95	28 - 119	5	30	
4,6-Dinitro-2-methylphenol	4.00	2.313		mg/Kg		58	35 - 135	9	30	
4-Bromophenyl phenyl ether	2.00	1.860		mg/Kg		93	51 - 120	0	30	
4-Chloro-3-methylphenol	2.00	1.590		mg/Kg		80	57 - 124	2	30	
4-Chloroaniline	2.00	1.551		mg/Kg		78	26 - 102	26	30	
4-Chlorophenyl phenyl ether	2.00	1.846		mg/Kg		92	53 - 113	3	30	
4-Nitroaniline	2.00	1.290		mg/Kg		65	32 - 131	17	30	
Acenaphthene	2.00	1.725		mg/Kg		86	46 - 112	3	30	
Acenaphthylene	2.00	1.789		mg/Kg		89	41 - 116	3	30	
Acetophenone	2.00	1.495		mg/Kg		75	43 - 100	4	30	

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QC Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 400-703462/20-A
Matrix: Solid
Analysis Batch: 704031

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 703462

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Anthracene	2.00	1.763		mg/Kg		88	43 - 120	1	30
Benzo[a]anthracene	2.00	1.644		mg/Kg		82	45 - 122	1	30
Benzo[a]pyrene	2.00	1.744		mg/Kg		87	40 - 121	3	30
Benzo[b]fluoranthene	2.00	1.661		mg/Kg		83	37 - 116	5	30
Benzo[g,h,i]perylene	2.00	2.119		mg/Kg		106	34 - 120	17	30
Benzo[k]fluoranthene	2.00	1.773		mg/Kg		89	35 - 133	2	30
Bis(2-chloroethoxy)methane	2.00	1.476		mg/Kg		74	33 - 100	3	30
Bis(2-chloroethyl)ether	2.00	1.665		mg/Kg		83	28 - 120	11	30
Bis(2-ethylhexyl) phthalate	2.00	1.777		mg/Kg		89	40 - 150	2	30
Chrysene	2.00	1.782		mg/Kg		89	42 - 132	2	30
Dibenz(a,h)anthracene	2.00	1.827		mg/Kg		91	36 - 127	13	30
Dibenzofuran	2.00	1.817		mg/Kg		91	54 - 105	3	30
Di-n-butyl phthalate	2.00	1.686		mg/Kg		84	40 - 122	0	30
Diethyl phthalate	2.00	1.776		mg/Kg		89	40 - 128	6	30
Dimethyl phthalate	2.00	1.823		mg/Kg		91	58 - 120	5	30
Di-n-octyl phthalate	2.00	1.876		mg/Kg		94	40 - 137	1	30
Fluoranthene	2.00	1.660		mg/Kg		83	42 - 124	2	30
Fluorene	2.00	1.795		mg/Kg		90	45 - 116	3	30
Hexachlorobenzene	2.00	2.002		mg/Kg		100	49 - 127	1	30
Hexachlorobutadiene	2.00	1.663		mg/Kg		83	43 - 120	8	30
Hexachlorocyclopentadiene	2.00	1.137		mg/Kg		57	10 - 140	13	30
Hexachloroethane	2.00	1.424		mg/Kg		71	45 - 120	3	30
Indeno[1,2,3-cd]pyrene	2.00	1.851		mg/Kg		93	40 - 117	13	30
Isophorone	2.00	1.476		mg/Kg		74	36 - 120	4	30
Naphthalene	2.00	1.557		mg/Kg		78	40 - 106	1	30
Nitrobenzene	2.00	1.335		mg/Kg		67	40 - 120	2	30
N-Nitrosodiphenylamine	1.98	1.716		mg/Kg		87	54 - 120	2	30
N-Nitrosodi-n-propylamine	2.00	1.378		mg/Kg		69	39 - 120	1	30
Pentachlorophenol	4.00	2.591		mg/Kg		65	32 - 131	5	30
Phenanthrene	2.00	1.734		mg/Kg		87	47 - 111	2	30
Phenol	2.00	1.433		mg/Kg		72	40 - 120	11	30
Pyrene	2.00	1.677		mg/Kg		84	41 - 124	3	30
Butyl benzyl phthalate	2.00	1.679		mg/Kg		84	50 - 126	3	30
bis (2-chloroisopropyl) ether	2.00	1.622		mg/Kg		81	18 - 105	4	30
Carbazole	2.00	1.616		mg/Kg		81	36 - 132	6	30
2,6-Dinitrotoluene	2.00	1.674		mg/Kg		84	51 - 114	4	30
4-Nitrophenol	4.00	2.463		mg/Kg		62	35 - 139	0	30

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	90		10 - 150
2-Fluorobiphenyl (Surr)	83		27 - 127
2-Fluorophenol (Surr)	71		25 - 128
Terphenyl-d14 (Surr)	84		24 - 146
Phenol-d5 (Surr)	70		29 - 130
Nitrobenzene-d5 (Surr)	76		15 - 136

QC Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 752-30758-13 MS

Matrix: Solid

Analysis Batch: 704031

Client Sample ID: SED-1

Prep Type: Total/NA

Prep Batch: 703462

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier					
1,1'-Biphenyl	ND		2.20	1.950		mg/Kg	✳	89		40 - 140
2,4,5-Trichlorophenol	ND		2.20	1.848		mg/Kg	✳	84		40 - 140
2,4,6-Trichlorophenol	ND		2.20	1.829		mg/Kg	✳	83		40 - 140
2,4-Dichlorophenol	ND		2.20	1.643	J	mg/Kg	✳	75		40 - 140
2,4-Dimethylphenol	ND		2.20	1.656	J	mg/Kg	✳	75		40 - 140
2,4-Dinitrophenol	ND	F1	4.39	2.830	J	mg/Kg	✳	64		40 - 140
2,4-Dinitrotoluene	ND		2.20	2.005		mg/Kg	✳	91		40 - 140
2-Chlorophenol	ND		2.20	1.584	J	mg/Kg	✳	72		40 - 140
2-Chloronaphthalene	ND		2.20	1.916		mg/Kg	✳	87		40 - 140
2-Methylnaphthalene	ND		2.20	1.888		mg/Kg	✳	86		40 - 140
2-Methylphenol	ND		2.20	1.647	J	mg/Kg	✳	75		40 - 140
2-Nitroaniline	ND		2.20	1.726	J	mg/Kg	✳	79		40 - 140
2-Nitrophenol	ND		2.20	1.781	J	mg/Kg	✳	81		40 - 140
3 & 4 Methylphenol	ND		2.20	1.595	J	mg/Kg	✳	73		40 - 140
3,3'-Dichlorobenzidine	ND	*3 F1 F2 *	2.93	2.520		mg/Kg	✳	86		40 - 140
		+								
3-Nitroaniline	ND		2.20	1.229	J	mg/Kg	✳	56		40 - 140
4,6-Dinitro-2-methylphenol	ND	F1	4.39	3.414		mg/Kg	✳	78		40 - 140
4-Bromophenyl phenyl ether	ND		2.20	2.083		mg/Kg	✳	95		40 - 140
4-Chloro-3-methylphenol	ND		2.20	1.695	J	mg/Kg	✳	77		40 - 140
4-Chloroaniline	ND	F1	2.20	1.779	J	mg/Kg	✳	81		40 - 140
4-Chlorophenyl phenyl ether	ND		2.20	1.967		mg/Kg	✳	90		40 - 140
4-Nitroaniline	ND		2.20	1.442	J	mg/Kg	✳	66		40 - 140
Acenaphthene	ND		2.20	2.001		mg/Kg	✳	91		40 - 140
Acenaphthylene	ND		2.20	2.080		mg/Kg	✳	95		40 - 140
Acetophenone	ND		2.20	1.544	J	mg/Kg	✳	70		40 - 140
Anthracene	ND		2.20	2.344		mg/Kg	✳	107		40 - 140
Benzo[a]anthracene	1.20	J *3	2.20	2.898		mg/Kg	✳	77		40 - 140
Benzo[a]pyrene	1.98	*3	2.20	3.143		mg/Kg	✳	53		40 - 140
Benzo[b]fluoranthene	3.35	*3 F1	2.20	3.308	F1	mg/Kg	✳	-2		40 - 140
Benzo[g,h,i]perylene	2.30	*3 F1	2.20	2.410	F1	mg/Kg	✳	5		40 - 140
Benzo[k]fluoranthene	ND	*3 F1	2.20	2.628		mg/Kg	✳	120		40 - 140
Bis(2-chloroethoxy)methane	ND		2.20	1.600	J	mg/Kg	✳	73		40 - 140
Bis(2-chloroethyl)ether	ND		2.20	1.683	J	mg/Kg	✳	77		40 - 140
Bis(2-ethylhexyl) phthalate	ND	*3	2.20	2.089		mg/Kg	✳	95		40 - 140
Chrysene	1.12	J *3	2.20	3.150		mg/Kg	✳	92		40 - 140
Dibenz(a,h)anthracene	ND	*3	2.20	2.098		mg/Kg	✳	96		40 - 140
Dibenzofuran	ND		2.20	2.037		mg/Kg	✳	93		40 - 140
Di-n-butyl phthalate	ND		2.20	2.156		mg/Kg	✳	98		40 - 140
Diethyl phthalate	ND		2.20	1.901		mg/Kg	✳	87		40 - 140
Dimethyl phthalate	ND		2.20	1.911		mg/Kg	✳	87		40 - 140
Di-n-octyl phthalate	ND	*3	2.20	2.012		mg/Kg	✳	92		40 - 140
Fluoranthene	2.09		2.20	3.728		mg/Kg	✳	75		40 - 140
Fluorene	ND		2.20	2.065		mg/Kg	✳	94		40 - 140
Hexachlorobenzene	ND		2.20	2.195		mg/Kg	✳	100		40 - 140
Hexachlorobutadiene	ND		2.20	1.674	J	mg/Kg	✳	76		40 - 140
Hexachlorocyclopentadiene	ND	F1	2.20	0.3686	J F1	mg/Kg	✳	17		40 - 140
Hexachloroethane	ND		2.20	1.348	J	mg/Kg	✳	61		40 - 140
Indeno[1,2,3-cd]pyrene	1.57	J *3	2.20	2.449		mg/Kg	✳	40		40 - 140

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QC Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 752-30758-13 MS

Matrix: Solid

Analysis Batch: 704031

Client Sample ID: SED-1

Prep Type: Total/NA

Prep Batch: 703462

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier					
Isophorone	ND		2.20	1.596	J	mg/Kg	☼	73		40 - 140
Naphthalene	ND		2.20	1.713	J	mg/Kg	☼	78		40 - 140
Nitrobenzene	ND		2.20	1.340	J	mg/Kg	☼	61		40 - 140
N-Nitrosodiphenylamine	ND		2.18	2.028		mg/Kg	☼	93		40 - 140
N-Nitrosodi-n-propylamine	ND		2.20	1.471	J	mg/Kg	☼	67		40 - 140
Pentachlorophenol	ND		4.39	3.251	J	mg/Kg	☼	74		40 - 140
Phenanthrene	1.08	J	2.20	2.885		mg/Kg	☼	82		40 - 140
Phenol	ND		2.20	1.583	J	mg/Kg	☼	72		40 - 140
Pyrene	3.54	*3 F1	2.20	3.746	F1	mg/Kg	☼	9		40 - 140
Butyl benzyl phthalate	ND	*3	2.20	1.902		mg/Kg	☼	87		40 - 140
bis (2-chloroisopropyl) ether	ND		2.20	1.700	J	mg/Kg	☼	77		40 - 140
Carbazole	ND		2.20	2.080		mg/Kg	☼	95		40 - 140
2,6-Dinitrotoluene	ND		2.20	1.768	J	mg/Kg	☼	81		40 - 140
4-Nitrophenol	ND		4.39	2.592		mg/Kg	☼	59		40 - 140
Atrazine	ND		2.20	1.630	J	mg/Kg	☼	74		40 - 140
Benzaldehyde	ND		2.20	2.288		mg/Kg	☼	104		40 - 140
Caprolactam	ND		2.20	1.482	J	mg/Kg	☼	67		40 - 140

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	161	S1+	10 - 150
2-Fluorobiphenyl (Surr)	84		27 - 127
2-Fluorophenol (Surr)	64		25 - 128
Terphenyl-d14 (Surr)	95		24 - 146
Phenol-d5 (Surr)	65		29 - 130
Nitrobenzene-d5 (Surr)	71		15 - 136

Lab Sample ID: 752-30758-13 MSD

Matrix: Solid

Analysis Batch: 704031

Client Sample ID: SED-1

Prep Type: Total/NA

Prep Batch: 703462

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
1,1'-Biphenyl	ND		2.22	1.739	J	mg/Kg	☼	78		40 - 140	11	30
2,4,5-Trichlorophenol	ND		2.22	1.723	J	mg/Kg	☼	78		40 - 140	7	30
2,4,6-Trichlorophenol	ND		2.22	1.700	J	mg/Kg	☼	77		40 - 140	7	30
2,4-Dichlorophenol	ND		2.22	1.551	J	mg/Kg	☼	70		40 - 140	6	30
2,4-Dimethylphenol	ND		2.22	1.432	J	mg/Kg	☼	65		40 - 140	14	30
2,4-Dinitrophenol	ND	F1	4.44	2.545	J	mg/Kg	☼	57		40 - 140	11	30
2,4-Dinitrotoluene	ND		2.22	1.752	J	mg/Kg	☼	79		40 - 140	13	30
2-Chlorophenol	ND		2.22	1.451	J	mg/Kg	☼	65		40 - 140	9	30
2-Chloronaphthalene	ND		2.22	1.687	J	mg/Kg	☼	76		40 - 140	13	30
2-Methylnaphthalene	ND		2.22	1.741	J	mg/Kg	☼	78		40 - 140	8	30
2-Methylphenol	ND		2.22	1.505	J	mg/Kg	☼	68		40 - 140	9	30
2-Nitroaniline	ND		2.22	1.545	J	mg/Kg	☼	70		40 - 140	11	30
2-Nitrophenol	ND		2.22	1.660	J	mg/Kg	☼	75		40 - 140	7	30
3 & 4 Methylphenol	ND		2.22	1.559	J	mg/Kg	☼	70		40 - 140	2	30
3,3'-Dichlorobenzidine	ND	*3 F1 F2 *	2.96	1.332	J F2	mg/Kg	☼	45		40 - 140	62	30
		+										
3-Nitroaniline	ND		2.22	0.8497	J F1 F2	mg/Kg	☼	38		40 - 140	36	30
4,6-Dinitro-2-methylphenol	ND	F1	4.44	2.743		mg/Kg	☼	62		40 - 140	22	30

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QC Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 752-30758-13 MSD

Matrix: Solid

Analysis Batch: 704031

Client Sample ID: SED-1

Prep Type: Total/NA

Prep Batch: 703462

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
4-Bromophenyl phenyl ether	ND		2.22	1.751	J	mg/Kg	☼	79	40 - 140	17	30
4-Chloro-3-methylphenol	ND		2.22	1.620	J	mg/Kg	☼	73	40 - 140	5	30
4-Chloroaniline	ND	F1	2.22	1.393	J	mg/Kg	☼	63	40 - 140	24	30
4-Chlorophenyl phenyl ether	ND		2.22	1.795	J	mg/Kg	☼	81	40 - 140	9	30
4-Nitroaniline	ND		2.22	1.188	J	mg/Kg	☼	54	40 - 140	19	30
Acenaphthene	ND		2.22	1.816	J	mg/Kg	☼	82	40 - 140	10	30
Acenaphthylene	ND		2.22	1.894	J	mg/Kg	☼	85	40 - 140	9	30
Acetophenone	ND		2.22	1.444	J	mg/Kg	☼	65	40 - 140	7	30
Anthracene	ND		2.22	2.108	J	mg/Kg	☼	95	40 - 140	11	30
Benzo[a]anthracene	1.20	J *3	2.22	2.687	J	mg/Kg	☼	67	40 - 140	8	30
Benzo[a]pyrene	1.98	*3	2.22	2.893	J	mg/Kg	☼	41	40 - 140	8	30
Benzo[b]fluoranthene	3.35	*3 F1	2.22	3.427	F1	mg/Kg	☼	3	40 - 140	4	30
Benzo[g,h,i]perylene	2.30	*3 F1	2.22	1.633	J F1 F2	mg/Kg	☼	-30	40 - 140	38	30
Benzo[k]fluoranthene	ND	*3 F1	2.22	2.368	J	mg/Kg	☼	107	40 - 140	10	30
Bis(2-chloroethoxy)methane	ND		2.22	1.476	J	mg/Kg	☼	66	40 - 140	8	30
Bis(2-chloroethyl)ether	ND		2.22	1.616	J	mg/Kg	☼	73	40 - 140	4	30
Bis(2-ethylhexyl) phthalate	ND	*3	2.22	1.822	J	mg/Kg	☼	82	40 - 140	14	30
Chrysene	1.12	J *3	2.22	2.904	J	mg/Kg	☼	80	40 - 140	8	30
Dibenz(a,h)anthracene	ND	*3	2.22	1.378	J F2	mg/Kg	☼	62	40 - 140	41	30
Dibenzofuran	ND		2.22	1.883	J	mg/Kg	☼	85	40 - 140	8	30
Di-n-butyl phthalate	ND		2.22	1.806	J	mg/Kg	☼	81	40 - 140	18	30
Diethyl phthalate	ND		2.22	1.747	J	mg/Kg	☼	79	40 - 140	8	30
Dimethyl phthalate	ND		2.22	1.739	J	mg/Kg	☼	78	40 - 140	9	30
Di-n-octyl phthalate	ND	*3	2.22	1.746	J	mg/Kg	☼	79	40 - 140	14	30
Fluoranthene	2.09		2.22	3.877	J	mg/Kg	☼	80	40 - 140	4	30
Fluorene	ND		2.22	1.944	J	mg/Kg	☼	88	40 - 140	6	30
Hexachlorobenzene	ND		2.22	1.808	J	mg/Kg	☼	81	40 - 140	19	30
Hexachlorobutadiene	ND		2.22	1.555	J	mg/Kg	☼	70	40 - 140	7	30
Hexachlorocyclopentadiene	ND	F1	2.22	ND	F1	mg/Kg	☼	0	40 - 140	NC	30
Hexachloroethane	ND		2.22	1.255	J	mg/Kg	☼	57	40 - 140	7	30
Indeno[1,2,3-cd]pyrene	1.57	J *3	2.22	1.774	J F1 F2	mg/Kg	☼	9	40 - 140	32	30
Isophorone	ND		2.22	1.467	J	mg/Kg	☼	66	40 - 140	8	30
Naphthalene	ND		2.22	1.681	J	mg/Kg	☼	76	40 - 140	2	30
Nitrobenzene	ND		2.22	1.267	J	mg/Kg	☼	57	40 - 140	6	30
N-Nitrosodiphenylamine	ND		2.20	1.647	J	mg/Kg	☼	75	40 - 140	21	30
N-Nitrosodi-n-propylamine	ND		2.22	1.373	J	mg/Kg	☼	62	40 - 140	7	30
Pentachlorophenol	ND		4.44	2.875	J	mg/Kg	☼	65	40 - 140	12	30
Phenanthrene	1.08	J	2.22	3.117	J	mg/Kg	☼	92	40 - 140	8	30
Phenol	ND		2.22	1.489	J	mg/Kg	☼	67	40 - 140	6	30
Pyrene	3.54	*3 F1	2.22	3.707	F1	mg/Kg	☼	7	40 - 140	1	30
Butyl benzyl phthalate	ND	*3	2.22	1.708	J	mg/Kg	☼	77	40 - 140	11	30
bis (2-chloroisopropyl) ether	ND		2.22	1.573	J	mg/Kg	☼	71	40 - 140	8	30
Carbazole	ND		2.22	1.962	J	mg/Kg	☼	88	40 - 140	6	30
2,6-Dinitrotoluene	ND		2.22	1.582	J	mg/Kg	☼	71	40 - 140	11	30
4-Nitrophenol	ND		4.44	2.160	J	mg/Kg	☼	49	40 - 140	18	30
Atrazine	ND		2.22	1.558	J	mg/Kg	☼	70	40 - 140	4	30
Benzaldehyde	ND		2.22	2.183	J	mg/Kg	☼	98	40 - 140	5	30
Caprolactam	ND		2.22	1.442	J	mg/Kg	☼	65	40 - 140	3	30

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QC Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 752-30758-13 MSD
Matrix: Solid
Analysis Batch: 704031

Client Sample ID: SED-1
Prep Type: Total/NA
Prep Batch: 703462

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	155	S1+	10 - 150
2-Fluorobiphenyl (Surr)	79		27 - 127
2-Fluorophenol (Surr)	65		25 - 128
Terphenyl-d14 (Surr)	85		24 - 146
Phenol-d5 (Surr)	64		29 - 130
Nitrobenzene-d5 (Surr)	67		15 - 136

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Lab Sample ID: MB 400-703615/1-A
Matrix: Water
Analysis Batch: 704079

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 703615

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.300	0.300	ug/L		03/26/25 16:26	03/31/25 16:50	1
Isotope Dilution	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	32		10 - 140				03/26/25 16:26	03/31/25 16:50	1

Lab Sample ID: LCS 400-703615/2-A
Matrix: Water
Analysis Batch: 704079

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 703615

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	16.0	17.07		ug/L		107	30 - 150
Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits				
1,4-Dioxane-d8	30		10 - 140				

Lab Sample ID: LCSD 400-703615/3-A
Matrix: Water
Analysis Batch: 704079

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 703615

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	16.0	17.26		ug/L		108	30 - 150	1	
Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits						
1,4-Dioxane-d8	28		10 - 140						

Lab Sample ID: MB 400-704042/1-A
Matrix: Solid
Analysis Batch: 704353

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 704042

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.00120	0.00120	mg/Kg		03/31/25 11:17	04/02/25 14:06	1
Isotope Dilution	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	59		10 - 150				03/31/25 11:17	04/02/25 14:06	1

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QC Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) (Continued)

Lab Sample ID: LCS 400-704042/2-A
Matrix: Solid
Analysis Batch: 704353

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 704042

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	0.267	0.2367		mg/Kg		89	50 - 150
<i>Isotope Dilution</i>							
1,4-Dioxane-d8							

Lab Sample ID: 752-30758-13 MS
Matrix: Solid
Analysis Batch: 704353

Client Sample ID: SED-1
Prep Type: Total/NA
Prep Batch: 704042

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	ND		0.285	0.2291		mg/Kg	⊛	80	50 - 150
<i>Isotope Dilution</i>									
1,4-Dioxane-d8									

Lab Sample ID: 752-30758-13 MSD
Matrix: Solid
Analysis Batch: 704353

Client Sample ID: SED-1
Prep Type: Total/NA
Prep Batch: 704042

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	ND		0.295	0.2695		mg/Kg	⊛	91	50 - 150	16	50
<i>Isotope Dilution</i>											
1,4-Dioxane-d8											

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 400-703138/5
Matrix: Water
Analysis Batch: 703138

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			03/22/25 15:10	1

Lab Sample ID: LCS 400-703138/6
Matrix: Water
Analysis Batch: 703138

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	10.20		mg/L		102	90 - 110

Lab Sample ID: LCSD 400-703138/7
Matrix: Water
Analysis Batch: 703138

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	10.33		mg/L		103	90 - 110	1	15

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QC Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 400-703222/1-A
Matrix: Solid
Analysis Batch: 703275

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		1.99	0.656	mg/Kg			03/24/25 17:57	1

Lab Sample ID: LCS 400-703222/2-A
Matrix: Solid
Analysis Batch: 703275

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	22.5	23.88		mg/Kg		106	80 - 120

Lab Sample ID: LCSD 400-703222/3-A
Matrix: Solid
Analysis Batch: 703275

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	24.60		mg/Kg		109	80 - 120	3	15

Lab Sample ID: 752-30758-13 MS
Matrix: Solid
Analysis Batch: 703275

Client Sample ID: SED-1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	1.06	J F1	25.2	32.13	F1	mg/Kg	✱	124	80 - 120

Lab Sample ID: 752-30758-13 MSD
Matrix: Solid
Analysis Batch: 703275

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
Nitrate as N	1.06	J F1	25.2	32.05	F1	mg/Kg	✱	123	80 - 120	0	15

Lab Sample ID: MB 400-703222/1-A
Matrix: Solid
Analysis Batch: 703276

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		19.9	7.26	mg/Kg			03/24/25 17:57	1

Lab Sample ID: LCS 400-703222/2-A
Matrix: Solid
Analysis Batch: 703276

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	99.5	100.1		mg/Kg		101	80 - 120

Lab Sample ID: LCSD 400-703222/3-A
Matrix: Solid
Analysis Batch: 703276

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	99.5	105.4		mg/Kg		106	80 - 120	5	15

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QC Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: 752-30758-13 MS
Matrix: Solid
Analysis Batch: 703276

Client Sample ID: SED-1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	ND		111	123.9		mg/Kg	✱	111	80 - 120

Lab Sample ID: 752-30758-13 MSD
Matrix: Solid
Analysis Batch: 703276

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
Sulfate	ND		111	125.3		mg/Kg	✱	113	80 - 120	1	15

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 705-43918/1-A ^5
Matrix: Solid
Analysis Batch: 44580

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43918

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.250	0.00290	mg/Kg		03/26/25 08:20	03/27/25 17:39	5
Arsenic	ND		0.600	0.0535	mg/Kg		03/26/25 08:20	03/27/25 17:39	5
Chromium	ND		1.00	0.206	mg/Kg		03/26/25 08:20	03/27/25 17:39	5
Copper	ND		0.500	0.0520	mg/Kg		03/26/25 08:20	03/27/25 17:39	5
Cadmium	ND		0.500	0.0163	mg/Kg		03/26/25 08:20	03/27/25 17:39	5
Cobalt	ND		0.750	0.0283	mg/Kg		03/26/25 08:20	03/27/25 17:39	5
Barium	0.04425	J	2.50	0.0142	mg/Kg		03/26/25 08:20	03/27/25 17:39	5
Beryllium	ND		0.500	0.0351	mg/Kg		03/26/25 08:20	03/27/25 17:39	5
Manganese	0.1748	J ^+	1.00	0.0615	mg/Kg		03/26/25 08:20	03/27/25 17:39	5
Nickel	ND		1.00	0.0262	mg/Kg		03/26/25 08:20	03/27/25 17:39	5
Lead	ND		0.500	0.0590	mg/Kg		03/26/25 08:20	03/27/25 17:39	5
Antimony	ND		1.00	0.229	mg/Kg		03/26/25 08:20	03/27/25 17:39	5
Selenium	ND		2.50	0.178	mg/Kg		03/26/25 08:20	03/27/25 17:39	5
Thallium	ND		0.700	0.0422	mg/Kg		03/26/25 08:20	03/27/25 17:39	5
Vanadium	ND		1.00	0.126	mg/Kg		03/26/25 08:20	03/27/25 17:39	5
Zinc	ND		2.50	2.08	mg/Kg		03/26/25 08:20	03/27/25 17:39	5

Lab Sample ID: LCS 705-43918/2-A ^5
Matrix: Solid
Analysis Batch: 44580

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43918

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	1.00	1.039		mg/Kg		104	80 - 120
Arsenic	10.0	9.068		mg/Kg		91	80 - 120
Chromium	10.0	9.416		mg/Kg		94	80 - 120
Copper	10.0	9.135		mg/Kg		91	80 - 120
Cadmium	10.0	9.039		mg/Kg		90	80 - 120
Cobalt	10.0	8.812		mg/Kg		88	80 - 120
Barium	10.0	10.17		mg/Kg		102	80 - 120
Beryllium	10.0	9.899		mg/Kg		99	80 - 120
Manganese	10.0	9.364	^+	mg/Kg		94	80 - 120
Nickel	10.0	9.150		mg/Kg		92	80 - 120
Lead	10.0	10.89		mg/Kg		109	80 - 120

Eurofins Raleigh

QC Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 705-43918/2-A ^5
Matrix: Solid
Analysis Batch: 44580

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43918

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	10.0	9.970		mg/Kg		100	80 - 120
Selenium	10.0	8.784		mg/Kg		88	80 - 120
Thallium	10.0	10.61		mg/Kg		106	80 - 120
Vanadium	10.0	9.198		mg/Kg		92	80 - 120
Zinc	10.0	9.387		mg/Kg		94	80 - 120

Lab Sample ID: MB 705-43405/1-A
Matrix: Water
Analysis Batch: 43966

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 43405

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	2.45	ug/L		03/24/25 12:30	03/25/25 23:41	1
Arsenic	ND		5.00	1.32	ug/L		03/24/25 12:30	03/25/25 23:41	1
Barium	ND		10.0	0.410	ug/L		03/24/25 12:30	03/25/25 23:41	1
Beryllium	ND		1.00	0.147	ug/L		03/24/25 12:30	03/25/25 23:41	1
Cadmium	ND		0.700	0.237	ug/L		03/24/25 12:30	03/25/25 23:41	1
Chromium	ND		5.00	3.69	ug/L		03/24/25 12:30	03/25/25 23:41	1
Cobalt	ND		5.00	0.411	ug/L		03/24/25 12:30	03/25/25 23:41	1
Copper	ND		2.00	0.642	ug/L		03/24/25 12:30	03/25/25 23:41	1
Lead	ND		1.00	0.864	ug/L		03/24/25 12:30	03/25/25 23:41	1
Manganese	ND		5.00	1.29	ug/L		03/24/25 12:30	03/25/25 23:41	1
Nickel	ND		5.00	0.422	ug/L		03/24/25 12:30	03/25/25 23:41	1
Selenium	ND		5.00	2.29	ug/L		03/24/25 12:30	03/25/25 23:41	1
Silver	ND		1.00	0.167	ug/L		03/24/25 12:30	03/25/25 23:41	1
Thallium	ND		1.00	0.190	ug/L		03/24/25 12:30	03/25/25 23:41	1
Vanadium	ND		5.00	1.22	ug/L		03/24/25 12:30	03/25/25 23:41	1
Zinc	ND		10.0	8.91	ug/L		03/24/25 12:30	03/25/25 23:41	1

Lab Sample ID: LCS 705-43405/2-A
Matrix: Water
Analysis Batch: 43966

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 43405

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	100	109.9		ug/L		110	80 - 120
Arsenic	100	105.1		ug/L		105	80 - 120
Barium	100	110.7		ug/L		111	80 - 120
Beryllium	100	99.80		ug/L		100	80 - 120
Cadmium	100	97.20		ug/L		97	80 - 120
Chromium	100	108.5		ug/L		108	80 - 120
Cobalt	100	103.9		ug/L		104	80 - 120
Copper	100	108.2		ug/L		108	80 - 120
Lead	100	114.6		ug/L		115	80 - 120
Manganese	100	110.5		ug/L		110	80 - 120
Nickel	100	102.6		ug/L		103	80 - 120
Selenium	100	102.5		ug/L		103	80 - 120
Silver	10.0	10.59		ug/L		106	80 - 120
Thallium	100	110.5		ug/L		110	80 - 120
Vanadium	100	104.6		ug/L		105	80 - 120
Zinc	100	108.9		ug/L		109	80 - 120

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QC Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 705-44502/1-A
Matrix: Water
Analysis Batch: 44544

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 44502

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.166	ug/L		03/27/25 19:04	03/27/25 22:21	1

Lab Sample ID: LCS 705-44502/2-A
Matrix: Water
Analysis Batch: 44544

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 44502

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	4.00	3.968		ug/L		99	80 - 120

Lab Sample ID: 752-30758-1 MS
Matrix: Water
Analysis Batch: 44544

Client Sample ID: SW-1
Prep Type: Total/NA
Prep Batch: 44502

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		4.00	3.963		ug/L		99	75 - 125

Lab Sample ID: 752-30758-1 MSD
Matrix: Water
Analysis Batch: 44544

Client Sample ID: SW-1
Prep Type: Total/NA
Prep Batch: 44502

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Mercury	ND		4.00	3.932		ug/L		98	75 - 125	1	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 705-44405/1-A
Matrix: Solid
Analysis Batch: 44592

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 44405

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.100	0.0146	mg/Kg		03/27/25 14:14	03/28/25 08:45	1

Lab Sample ID: LCS 705-44405/2-A
Matrix: Solid
Analysis Batch: 44592

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 44405

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.400	0.3952		mg/Kg		99	80 - 120

Lab Sample ID: 752-30758-13 MS
Matrix: Solid
Analysis Batch: 44592

Client Sample ID: SED-1
Prep Type: Total/NA
Prep Batch: 44405

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.0362	J	0.423	0.4469		mg/Kg	☼	97	80 - 120

QC Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: 752-30758-13 MSD
Matrix: Solid
Analysis Batch: 44592

Client Sample ID: SED-1
Prep Type: Total/NA
Prep Batch: 44405

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.0362	J	0.423	0.4426		mg/Kg	☼	96	80 - 120	1	20

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 752-11360/10
Matrix: Water
Analysis Batch: 11360

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	0.0200	mg/L			03/21/25 09:52	1

Lab Sample ID: MB 752-11360/40
Matrix: Water
Analysis Batch: 11360

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	0.0200	mg/L			03/21/25 11:03	1

Lab Sample ID: LCS 752-11360/11
Matrix: Water
Analysis Batch: 11360

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)	1.02	1.019		mg/L		100	90 - 110

Lab Sample ID: LCS 752-11360/41
Matrix: Water
Analysis Batch: 11360

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)	1.02	1.067		mg/L		105	90 - 110

Lab Sample ID: MRL 400-704116/2
Matrix: Solid
Analysis Batch: 704116

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)	0.0500	0.05400		mg/L		108	50 - 150

Lab Sample ID: MB 400-703690/1-A
Matrix: Solid
Analysis Batch: 704116

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		0.977	0.313	mg/Kg			03/31/25 16:33	1

QC Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: LCS 400-703690/2-A
Matrix: Solid
Analysis Batch: 704116

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia (as N)	59.5	62.74		mg/Kg		105	90 - 110

Lab Sample ID: 752-30758-13 MS
Matrix: Solid
Analysis Batch: 704116

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)	0.670	J F1	16.2	20.55	F1	mg/Kg	⊛	123	90 - 110

Lab Sample ID: 752-30758-13 MSD
Matrix: Solid
Analysis Batch: 704116

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)	0.670	J F1	16.4	20.90	F1	mg/Kg	⊛	123	90 - 110	2	11

Method: 353.2 - Nitrogen, Nitrite

Lab Sample ID: MB 752-11309/50
Matrix: Water
Analysis Batch: 11309

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.100	0.0168	mg/L			03/20/25 17:08	1

Lab Sample ID: MB 752-11309/8
Matrix: Water
Analysis Batch: 11309

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.100	0.0168	mg/L			03/20/25 16:26	1

Lab Sample ID: LCS 752-11309/11
Matrix: Water
Analysis Batch: 11309

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrite as N	1.00	1.003		mg/L		100	90 - 110

Lab Sample ID: LCSD 752-11309/73
Matrix: Water
Analysis Batch: 11309

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
Nitrite as N	1.00	1.020		mg/L		102	90 - 110	1	10

QC Sample Results

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 752-11369/75
Matrix: Water
Analysis Batch: 11369

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.100	0.0410	mg/L			03/24/25 12:42	1

Lab Sample ID: MB 752-11369/8
Matrix: Water
Analysis Batch: 11369

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.100	0.0410	mg/L			03/24/25 10:29	1

Lab Sample ID: LCS 752-11369/76
Matrix: Water
Analysis Batch: 11369

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	1.25	1.155		mg/L		92	90 - 110

Lab Sample ID: LCS 752-11369/9
Matrix: Water
Analysis Batch: 11369

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	1.25	1.218		mg/L		97	90 - 110

Lab Sample ID: LCSD 752-11369/98
Matrix: Water
Analysis Batch: 11369

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 Nitrite as N	1.25	1.267		mg/L		101	90 - 110	9	10

Lab Sample ID: 752-30758-1 MS
Matrix: Water
Analysis Batch: 11369

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
Nitrate Nitrite as N	0.168	F1	0.521	0.6184	F1	mg/L		86	90 - 110

Lab Sample ID: 752-30758-1 MSD
Matrix: Water
Analysis Batch: 11369

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
Nitrate Nitrite as N	0.168	F1	0.521	0.6210	F1	mg/L		87	90 - 110	0	10

QC Association Summary

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

GC/MS VOA

Analysis Batch: 703977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-30758-15	SED-3	Total/NA	Solid	8260D	703984
752-30758-20	SED-Dup	Total/NA	Solid	8260D	703984
MB 400-703984/2-A	Method Blank	Total/NA	Solid	8260D	703984
LCS 400-703984/1-A	Lab Control Sample	Total/NA	Solid	8260D	703984

Prep Batch: 703984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-30758-15	SED-3	Total/NA	Solid	5035	
752-30758-20	SED-Dup	Total/NA	Solid	5035	
MB 400-703984/2-A	Method Blank	Total/NA	Solid	5035	
LCS 400-703984/1-A	Lab Control Sample	Total/NA	Solid	5035	

Analysis Batch: 704134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-30758-1	SW-1	Total/NA	Water	8260D	
752-30758-2	SW-2	Total/NA	Water	8260D	
752-30758-3	SW-3	Total/NA	Water	8260D	
752-30758-4	SW-4	Total/NA	Water	8260D	
MB 400-704134/4	Method Blank	Total/NA	Water	8260D	
LCS 400-704134/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 704276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-30758-13	SED-1	Total/NA	Solid	8260D	704294
752-30758-14	SED-2	Total/NA	Solid	8260D	704294
752-30758-16	SED-4	Total/NA	Solid	8260D	704294
752-30758-17	SED-5	Total/NA	Solid	8260D	704294
752-30758-18	SED-6	Total/NA	Solid	8260D	704294
752-30758-19	SED-7	Total/NA	Solid	8260D	704294
MB 400-704294/12-A	Method Blank	Total/NA	Solid	8260D	704294
LCS 400-704294/11-A	Lab Control Sample	Total/NA	Solid	8260D	704294

Prep Batch: 704294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-30758-13	SED-1	Total/NA	Solid	5035	
752-30758-14	SED-2	Total/NA	Solid	5035	
752-30758-16	SED-4	Total/NA	Solid	5035	
752-30758-17	SED-5	Total/NA	Solid	5035	
752-30758-18	SED-6	Total/NA	Solid	5035	
752-30758-19	SED-7	Total/NA	Solid	5035	
MB 400-704294/12-A	Method Blank	Total/NA	Solid	5035	
LCS 400-704294/11-A	Lab Control Sample	Total/NA	Solid	5035	

Analysis Batch: 704296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-30758-5	SW-5	Total/NA	Water	8260D	
752-30758-6	SW-6	Total/NA	Water	8260D	
752-30758-7	SW-7	Total/NA	Water	8260D	
752-30758-8	SW-Dup	Total/NA	Water	8260D	
752-30758-9	Trip Blank 1	Total/NA	Water	8260D	
752-30758-10	Trip Blank 2	Total/NA	Water	8260D	

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QC Association Summary

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

GC/MS VOA (Continued)

Analysis Batch: 704296 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-30758-11	Trip Blank 3	Total/NA	Water	8260D	
752-30758-12	Trip Blank 4	Total/NA	Water	8260D	
MB 400-704296/4	Method Blank	Total/NA	Water	8260D	
LCS 400-704296/1002	Lab Control Sample	Total/NA	Water	8260D	
752-30758-5 MS	SW-5	Total/NA	Water	8260D	
752-30758-5 MSD	SW-5	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 703408

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-30758-1	SW-1	Total/NA	Water	3510C	
752-30758-2	SW-2	Total/NA	Water	3510C	
752-30758-3	SW-3	Total/NA	Water	3510C	
752-30758-4	SW-4	Total/NA	Water	3510C	
752-30758-5	SW-5	Total/NA	Water	3510C	
752-30758-6	SW-6	Total/NA	Water	3510C	
752-30758-7	SW-7	Total/NA	Water	3510C	
752-30758-8	SW-Dup	Total/NA	Water	3510C	
MB 400-703408/1-A	Method Blank	Total/NA	Water	3510C	
LCS 400-703408/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 400-703408/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 703462

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-30758-13	SED-1	Total/NA	Solid	3546	
752-30758-14	SED-2	Total/NA	Solid	3546	
752-30758-15	SED-3	Total/NA	Solid	3546	
752-30758-16	SED-4	Total/NA	Solid	3546	
752-30758-17	SED-5	Total/NA	Solid	3546	
752-30758-18	SED-6	Total/NA	Solid	3546	
752-30758-19	SED-7	Total/NA	Solid	3546	
752-30758-20	SED-Dup	Total/NA	Solid	3546	
LCSD 400-703462/20-A	Lab Control Sample Dup	Total/NA	Solid	3546	
752-30758-13 MS	SED-1	Total/NA	Solid	3546	
752-30758-13 MSD	SED-1	Total/NA	Solid	3546	

Prep Batch: 703615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-30758-1	SW-1	Total/NA	Water	3510C	
752-30758-2	SW-2	Total/NA	Water	3510C	
752-30758-3	SW-3	Total/NA	Water	3510C	
752-30758-4	SW-4	Total/NA	Water	3510C	
752-30758-5	SW-5	Total/NA	Water	3510C	
752-30758-6	SW-6	Total/NA	Water	3510C	
752-30758-7	SW-7	Total/NA	Water	3510C	
752-30758-8	SW-Dup	Total/NA	Water	3510C	
MB 400-703615/1-A	Method Blank	Total/NA	Water	3510C	
LCS 400-703615/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 400-703615/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

QC Association Summary

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

GC/MS Semi VOA

Analysis Batch: 703693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-30758-1	SW-1	Total/NA	Water	8270E	703408
752-30758-2	SW-2	Total/NA	Water	8270E	703408
752-30758-3	SW-3	Total/NA	Water	8270E	703408
752-30758-4	SW-4	Total/NA	Water	8270E	703408
752-30758-5	SW-5	Total/NA	Water	8270E	703408
752-30758-6	SW-6	Total/NA	Water	8270E	703408
752-30758-7	SW-7	Total/NA	Water	8270E	703408
752-30758-8	SW-Dup	Total/NA	Water	8270E	703408
MB 400-703408/1-A	Method Blank	Total/NA	Water	8270E	703408
LCS 400-703408/2-A	Lab Control Sample	Total/NA	Water	8270E	703408
LCSD 400-703408/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	703408

Analysis Batch: 703881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-30758-14	SED-2	Total/NA	Solid	8270E	703462
752-30758-15	SED-3	Total/NA	Solid	8270E	703462
752-30758-16	SED-4	Total/NA	Solid	8270E	703462
752-30758-17	SED-5	Total/NA	Solid	8270E	703462
752-30758-18	SED-6	Total/NA	Solid	8270E	703462
752-30758-19	SED-7	Total/NA	Solid	8270E	703462
752-30758-20	SED-Dup	Total/NA	Solid	8270E	703462

Analysis Batch: 704031

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 400-703462/20-A	Lab Control Sample Dup	Total/NA	Solid	8270E	703462
752-30758-13 MS	SED-1	Total/NA	Solid	8270E	703462
752-30758-13 MSD	SED-1	Total/NA	Solid	8270E	703462

Prep Batch: 704042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-30758-13	SED-1	Total/NA	Solid	3546	
752-30758-14	SED-2	Total/NA	Solid	3546	
752-30758-15	SED-3	Total/NA	Solid	3546	
752-30758-16	SED-4	Total/NA	Solid	3546	
752-30758-17	SED-5	Total/NA	Solid	3546	
752-30758-18	SED-6	Total/NA	Solid	3546	
752-30758-19	SED-7	Total/NA	Solid	3546	
752-30758-20	SED-Dup	Total/NA	Solid	3546	
MB 400-704042/1-A	Method Blank	Total/NA	Solid	3546	
LCS 400-704042/2-A	Lab Control Sample	Total/NA	Solid	3546	
752-30758-13 MS	SED-1	Total/NA	Solid	3546	
752-30758-13 MSD	SED-1	Total/NA	Solid	3546	

Analysis Batch: 704079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-30758-1	SW-1	Total/NA	Water	8270E SIM ID	703615
752-30758-2	SW-2	Total/NA	Water	8270E SIM ID	703615
752-30758-3	SW-3	Total/NA	Water	8270E SIM ID	703615
752-30758-4	SW-4	Total/NA	Water	8270E SIM ID	703615
752-30758-5	SW-5	Total/NA	Water	8270E SIM ID	703615
752-30758-6	SW-6	Total/NA	Water	8270E SIM ID	703615

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QC Association Summary

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

GC/MS Semi VOA (Continued)

Analysis Batch: 704079 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-30758-7	SW-7	Total/NA	Water	8270E SIM ID	703615
752-30758-8	SW-Dup	Total/NA	Water	8270E SIM ID	703615
MB 400-703615/1-A	Method Blank	Total/NA	Water	8270E SIM ID	703615
LCS 400-703615/2-A	Lab Control Sample	Total/NA	Water	8270E SIM ID	703615
LCSD 400-703615/3-A	Lab Control Sample Dup	Total/NA	Water	8270E SIM ID	703615

Analysis Batch: 704166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-30758-13	SED-1	Total/NA	Solid	8270E	703462

Analysis Batch: 704353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-30758-13	SED-1	Total/NA	Solid	8270E SIM ID	704042
752-30758-14	SED-2	Total/NA	Solid	8270E SIM ID	704042
752-30758-15	SED-3	Total/NA	Solid	8270E SIM ID	704042
752-30758-16	SED-4	Total/NA	Solid	8270E SIM ID	704042
752-30758-17	SED-5	Total/NA	Solid	8270E SIM ID	704042
752-30758-18	SED-6	Total/NA	Solid	8270E SIM ID	704042
752-30758-19	SED-7	Total/NA	Solid	8270E SIM ID	704042
752-30758-20	SED-Dup	Total/NA	Solid	8270E SIM ID	704042
MB 400-704042/1-A	Method Blank	Total/NA	Solid	8270E SIM ID	704042
LCS 400-704042/2-A	Lab Control Sample	Total/NA	Solid	8270E SIM ID	704042
752-30758-13 MS	SED-1	Total/NA	Solid	8270E SIM ID	704042
752-30758-13 MSD	SED-1	Total/NA	Solid	8270E SIM ID	704042

HPLC/IC

Analysis Batch: 703138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-30758-1	SW-1	Total/NA	Water	9056A	
752-30758-2	SW-2	Total/NA	Water	9056A	
752-30758-3	SW-3	Total/NA	Water	9056A	
752-30758-4	SW-4	Total/NA	Water	9056A	
752-30758-5	SW-5	Total/NA	Water	9056A	
752-30758-6	SW-6	Total/NA	Water	9056A	
752-30758-7	SW-7	Total/NA	Water	9056A	
752-30758-8	SW-Dup	Total/NA	Water	9056A	
MB 400-703138/5	Method Blank	Total/NA	Water	9056A	
LCS 400-703138/6	Lab Control Sample	Total/NA	Water	9056A	
LCSD 400-703138/7	Lab Control Sample Dup	Total/NA	Water	9056A	

Leach Batch: 703222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-30758-13	SED-1	Soluble	Solid	DI Leach	
752-30758-14	SED-2	Soluble	Solid	DI Leach	
752-30758-15	SED-3	Soluble	Solid	DI Leach	
752-30758-16	SED-4	Soluble	Solid	DI Leach	
752-30758-17	SED-5	Soluble	Solid	DI Leach	
752-30758-18	SED-6	Soluble	Solid	DI Leach	
752-30758-19	SED-7	Soluble	Solid	DI Leach	
752-30758-20	SED-Dup	Soluble	Solid	DI Leach	

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QC Association Summary

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

HPLC/IC (Continued)

Leach Batch: 703222 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-703222/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 400-703222/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 400-703222/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
752-30758-13 MS	SED-1	Soluble	Solid	DI Leach	
752-30758-13 MSD	SED-1	Soluble	Solid	DI Leach	

Analysis Batch: 703275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-30758-13	SED-1	Soluble	Solid	9056A	703222
752-30758-14	SED-2	Soluble	Solid	9056A	703222
752-30758-15	SED-3	Soluble	Solid	9056A	703222
752-30758-16	SED-4	Soluble	Solid	9056A	703222
752-30758-17	SED-5	Soluble	Solid	9056A	703222
752-30758-18	SED-6	Soluble	Solid	9056A	703222
752-30758-19	SED-7	Soluble	Solid	9056A	703222
752-30758-20	SED-Dup	Soluble	Solid	9056A	703222
MB 400-703222/1-A	Method Blank	Soluble	Solid	9056A	703222
LCS 400-703222/2-A	Lab Control Sample	Soluble	Solid	9056A	703222
LCSD 400-703222/3-A	Lab Control Sample Dup	Soluble	Solid	9056A	703222
752-30758-13 MS	SED-1	Soluble	Solid	9056A	703222
752-30758-13 MSD	SED-1	Soluble	Solid	9056A	703222

Analysis Batch: 703276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-30758-13	SED-1	Soluble	Solid	9056A	703222
752-30758-14	SED-2	Soluble	Solid	9056A	703222
752-30758-15	SED-3	Soluble	Solid	9056A	703222
752-30758-16	SED-4	Soluble	Solid	9056A	703222
752-30758-17	SED-5	Soluble	Solid	9056A	703222
752-30758-18	SED-6	Soluble	Solid	9056A	703222
752-30758-19	SED-7	Soluble	Solid	9056A	703222
752-30758-20	SED-Dup	Soluble	Solid	9056A	703222
MB 400-703222/1-A	Method Blank	Soluble	Solid	9056A	703222
LCS 400-703222/2-A	Lab Control Sample	Soluble	Solid	9056A	703222
LCSD 400-703222/3-A	Lab Control Sample Dup	Soluble	Solid	9056A	703222
752-30758-13 MS	SED-1	Soluble	Solid	9056A	703222
752-30758-13 MSD	SED-1	Soluble	Solid	9056A	703222

Metals

Prep Batch: 43405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-30758-1	SW-1	Total Recoverable	Water	3005A	
752-30758-2	SW-2	Total Recoverable	Water	3005A	
752-30758-3	SW-3	Total Recoverable	Water	3005A	
752-30758-4	SW-4	Total Recoverable	Water	3005A	
752-30758-5	SW-5	Total Recoverable	Water	3005A	
752-30758-6	SW-6	Total Recoverable	Water	3005A	
752-30758-7	SW-7	Total Recoverable	Water	3005A	
752-30758-8	SW-Dup	Total Recoverable	Water	3005A	
MB 705-43405/1-A	Method Blank	Total Recoverable	Water	3005A	

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QC Association Summary

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Metals (Continued)

Prep Batch: 43405 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 705-43405/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 43918

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-30758-13	SED-1	Total/NA	Solid	3050B	
752-30758-14	SED-2	Total/NA	Solid	3050B	
752-30758-15	SED-3	Total/NA	Solid	3050B	
752-30758-16	SED-4	Total/NA	Solid	3050B	
752-30758-17	SED-5	Total/NA	Solid	3050B	
752-30758-18	SED-6	Total/NA	Solid	3050B	
752-30758-19	SED-7	Total/NA	Solid	3050B	
752-30758-20	SED-Dup	Total/NA	Solid	3050B	
MB 705-43918/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 705-43918/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 43966

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-30758-1	SW-1	Total Recoverable	Water	6020B	43405
752-30758-2	SW-2	Total Recoverable	Water	6020B	43405
752-30758-3	SW-3	Total Recoverable	Water	6020B	43405
752-30758-4	SW-4	Total Recoverable	Water	6020B	43405
752-30758-5	SW-5	Total Recoverable	Water	6020B	43405
752-30758-6	SW-6	Total Recoverable	Water	6020B	43405
752-30758-7	SW-7	Total Recoverable	Water	6020B	43405
752-30758-8	SW-Dup	Total Recoverable	Water	6020B	43405
MB 705-43405/1-A	Method Blank	Total Recoverable	Water	6020B	43405
LCS 705-43405/2-A	Lab Control Sample	Total Recoverable	Water	6020B	43405

Prep Batch: 44405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-30758-13	SED-1	Total/NA	Solid	7471B	
752-30758-14	SED-2	Total/NA	Solid	7471B	
752-30758-15	SED-3	Total/NA	Solid	7471B	
752-30758-16	SED-4	Total/NA	Solid	7471B	
752-30758-17	SED-5	Total/NA	Solid	7471B	
752-30758-18	SED-6	Total/NA	Solid	7471B	
752-30758-19	SED-7	Total/NA	Solid	7471B	
752-30758-20	SED-Dup	Total/NA	Solid	7471B	
MB 705-44405/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 705-44405/2-A	Lab Control Sample	Total/NA	Solid	7471B	
752-30758-13 MS	SED-1	Total/NA	Solid	7471B	
752-30758-13 MSD	SED-1	Total/NA	Solid	7471B	

Prep Batch: 44502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-30758-1	SW-1	Total/NA	Water	7470A	
752-30758-2	SW-2	Total/NA	Water	7470A	
752-30758-3	SW-3	Total/NA	Water	7470A	
752-30758-4	SW-4	Total/NA	Water	7470A	
752-30758-5	SW-5	Total/NA	Water	7470A	
752-30758-6	SW-6	Total/NA	Water	7470A	

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QC Association Summary

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Metals (Continued)

Prep Batch: 44502 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-30758-7	SW-7	Total/NA	Water	7470A	
752-30758-8	SW-Dup	Total/NA	Water	7470A	
MB 705-44502/1-A	Method Blank	Total/NA	Water	7470A	
LCS 705-44502/2-A	Lab Control Sample	Total/NA	Water	7470A	
752-30758-1 MS	SW-1	Total/NA	Water	7470A	
752-30758-1 MSD	SW-1	Total/NA	Water	7470A	

Analysis Batch: 44544

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-30758-1	SW-1	Total/NA	Water	7470A	44502
752-30758-2	SW-2	Total/NA	Water	7470A	44502
752-30758-3	SW-3	Total/NA	Water	7470A	44502
752-30758-4	SW-4	Total/NA	Water	7470A	44502
752-30758-5	SW-5	Total/NA	Water	7470A	44502
752-30758-6	SW-6	Total/NA	Water	7470A	44502
752-30758-7	SW-7	Total/NA	Water	7470A	44502
752-30758-8	SW-Dup	Total/NA	Water	7470A	44502
MB 705-44502/1-A	Method Blank	Total/NA	Water	7470A	44502
LCS 705-44502/2-A	Lab Control Sample	Total/NA	Water	7470A	44502
752-30758-1 MS	SW-1	Total/NA	Water	7470A	44502
752-30758-1 MSD	SW-1	Total/NA	Water	7470A	44502

Analysis Batch: 44580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-30758-13	SED-1	Total/NA	Solid	6020B	43918
752-30758-14	SED-2	Total/NA	Solid	6020B	43918
752-30758-15	SED-3	Total/NA	Solid	6020B	43918
752-30758-16	SED-4	Total/NA	Solid	6020B	43918
752-30758-17	SED-5	Total/NA	Solid	6020B	43918
752-30758-18	SED-6	Total/NA	Solid	6020B	43918
752-30758-19	SED-7	Total/NA	Solid	6020B	43918
752-30758-20	SED-Dup	Total/NA	Solid	6020B	43918
MB 705-43918/1-A ^5	Method Blank	Total/NA	Solid	6020B	43918
LCS 705-43918/2-A ^5	Lab Control Sample	Total/NA	Solid	6020B	43918

Analysis Batch: 44592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-30758-13	SED-1	Total/NA	Solid	7471B	44405
752-30758-14	SED-2	Total/NA	Solid	7471B	44405
752-30758-15	SED-3	Total/NA	Solid	7471B	44405
752-30758-16	SED-4	Total/NA	Solid	7471B	44405
752-30758-17	SED-5	Total/NA	Solid	7471B	44405
752-30758-18	SED-6	Total/NA	Solid	7471B	44405
752-30758-19	SED-7	Total/NA	Solid	7471B	44405
752-30758-20	SED-Dup	Total/NA	Solid	7471B	44405
MB 705-44405/1-A	Method Blank	Total/NA	Solid	7471B	44405
LCS 705-44405/2-A	Lab Control Sample	Total/NA	Solid	7471B	44405
752-30758-13 MS	SED-1	Total/NA	Solid	7471B	44405
752-30758-13 MSD	SED-1	Total/NA	Solid	7471B	44405

QC Association Summary

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Metals

Analysis Batch: 45169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-30758-1	SW-1	Total Recoverable	Water	6020B	43405
752-30758-2	SW-2	Total Recoverable	Water	6020B	43405
752-30758-3	SW-3	Total Recoverable	Water	6020B	43405
752-30758-4	SW-4	Total Recoverable	Water	6020B	43405
752-30758-5	SW-5	Total Recoverable	Water	6020B	43405
752-30758-6	SW-6	Total Recoverable	Water	6020B	43405
752-30758-7	SW-7	Total Recoverable	Water	6020B	43405
752-30758-8	SW-Dup	Total Recoverable	Water	6020B	43405

General Chemistry

Analysis Batch: 11309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-30758-1	SW-1	Total/NA	Water	353.2	
752-30758-2	SW-2	Total/NA	Water	353.2	
752-30758-3	SW-3	Total/NA	Water	353.2	
752-30758-4	SW-4	Total/NA	Water	353.2	
752-30758-5	SW-5	Total/NA	Water	353.2	
752-30758-6	SW-6	Total/NA	Water	353.2	
752-30758-7	SW-7	Total/NA	Water	353.2	
752-30758-8	SW-Dup	Total/NA	Water	353.2	
MB 752-11309/50	Method Blank	Total/NA	Water	353.2	
MB 752-11309/8	Method Blank	Total/NA	Water	353.2	
LCS 752-11309/11	Lab Control Sample	Total/NA	Water	353.2	
LCS 752-11309/73	Lab Control Sample Dup	Total/NA	Water	353.2	

Analysis Batch: 11360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-30758-1	SW-1	Total/NA	Water	350.1	
752-30758-2	SW-2	Total/NA	Water	350.1	
752-30758-3	SW-3	Total/NA	Water	350.1	
752-30758-4	SW-4	Total/NA	Water	350.1	
752-30758-5	SW-5	Total/NA	Water	350.1	
752-30758-6	SW-6	Total/NA	Water	350.1	
752-30758-7	SW-7	Total/NA	Water	350.1	
752-30758-8	SW-Dup	Total/NA	Water	350.1	
MB 752-11360/10	Method Blank	Total/NA	Water	350.1	
MB 752-11360/40	Method Blank	Total/NA	Water	350.1	
LCS 752-11360/11	Lab Control Sample	Total/NA	Water	350.1	
LCS 752-11360/41	Lab Control Sample	Total/NA	Water	350.1	

Analysis Batch: 11369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-30758-1	SW-1	Total/NA	Water	353.2	
752-30758-2	SW-2	Total/NA	Water	353.2	
752-30758-3	SW-3	Total/NA	Water	353.2	
752-30758-4	SW-4	Total/NA	Water	353.2	
752-30758-5	SW-5	Total/NA	Water	353.2	
752-30758-6	SW-6	Total/NA	Water	353.2	
752-30758-7	SW-7	Total/NA	Water	353.2	
752-30758-8	SW-Dup	Total/NA	Water	353.2	

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QC Association Summary

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

General Chemistry (Continued)

Analysis Batch: 11369 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 752-11369/75	Method Blank	Total/NA	Water	353.2	
MB 752-11369/8	Method Blank	Total/NA	Water	353.2	
LCS 752-11369/76	Lab Control Sample	Total/NA	Water	353.2	
LCS 752-11369/9	Lab Control Sample	Total/NA	Water	353.2	
LCSD 752-11369/98	Lab Control Sample Dup	Total/NA	Water	353.2	
752-30758-1 MS	SW-1	Total/NA	Water	353.2	
752-30758-1 MSD	SW-1	Total/NA	Water	353.2	

Analysis Batch: 11378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-30758-1	SW-1	Total/NA	Water	Nitrate by calc	
752-30758-2	SW-2	Total/NA	Water	Nitrate by calc	
752-30758-3	SW-3	Total/NA	Water	Nitrate by calc	
752-30758-4	SW-4	Total/NA	Water	Nitrate by calc	
752-30758-5	SW-5	Total/NA	Water	Nitrate by calc	
752-30758-6	SW-6	Total/NA	Water	Nitrate by calc	
752-30758-7	SW-7	Total/NA	Water	Nitrate by calc	
752-30758-8	SW-Dup	Total/NA	Water	Nitrate by calc	

Analysis Batch: 703529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-30758-13	SED-1	Total/NA	Solid	Moisture	
752-30758-14	SED-2	Total/NA	Solid	Moisture	
752-30758-15	SED-3	Total/NA	Solid	Moisture	
752-30758-16	SED-4	Total/NA	Solid	Moisture	
752-30758-17	SED-5	Total/NA	Solid	Moisture	
752-30758-18	SED-6	Total/NA	Solid	Moisture	
752-30758-19	SED-7	Total/NA	Solid	Moisture	
752-30758-20	SED-Dup	Total/NA	Solid	Moisture	

Leach Batch: 703690

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-30758-13	SED-1	Soluble	Solid	DI Leach	
752-30758-14	SED-2	Soluble	Solid	DI Leach	
752-30758-15	SED-3	Soluble	Solid	DI Leach	
752-30758-16	SED-4	Soluble	Solid	DI Leach	
752-30758-17	SED-5	Soluble	Solid	DI Leach	
752-30758-18	SED-6	Soluble	Solid	DI Leach	
752-30758-19	SED-7	Soluble	Solid	DI Leach	
752-30758-20	SED-Dup	Soluble	Solid	DI Leach	
MB 400-703690/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 400-703690/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
752-30758-13 MS	SED-1	Soluble	Solid	DI Leach	
752-30758-13 MSD	SED-1	Soluble	Solid	DI Leach	

Analysis Batch: 704116

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-30758-13	SED-1	Soluble	Solid	350.1	703690
752-30758-14	SED-2	Soluble	Solid	350.1	703690
752-30758-15	SED-3	Soluble	Solid	350.1	703690
752-30758-16	SED-4	Soluble	Solid	350.1	703690

Eurofins Raleigh

QC Association Summary

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

General Chemistry (Continued)

Analysis Batch: 704116 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-30758-17	SED-5	Soluble	Solid	350.1	703690
752-30758-18	SED-6	Soluble	Solid	350.1	703690
752-30758-19	SED-7	Soluble	Solid	350.1	703690
752-30758-20	SED-Dup	Soluble	Solid	350.1	703690
MB 400-703690/1-A	Method Blank	Soluble	Solid	350.1	703690
LCS 400-703690/2-A	Lab Control Sample	Soluble	Solid	350.1	703690
MRL 400-704116/2	Lab Control Sample	Total/NA	Solid	350.1	
752-30758-13 MS	SED-1	Soluble	Solid	350.1	703690
752-30758-13 MSD	SED-1	Soluble	Solid	350.1	703690

Lab Chronicle

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SW-1
Date Collected: 03/19/25 13:00
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	704134	WPD	EET PEN	04/01/25 17:00
Total/NA	Prep	3510C			703408	BKL	EET PEN	03/25/25 12:15
Total/NA	Analysis	8270E		1	703693	S1B	EET PEN	03/27/25 20:19
Total/NA	Prep	3510C			703615	LWL	EET PEN	03/26/25 16:26
Total/NA	Analysis	8270E SIM ID		1	704079	VC1	EET PEN	03/31/25 17:55
Total/NA	Analysis	9056A		1	703138	AMM	EET PEN	03/22/25 17:44
Total Recoverable	Prep	3005A			43405	SA	EET ATL	03/24/25 12:30
Total Recoverable	Analysis	6020B		1	43966	IF	EET ATL	03/26/25 00:53
Total Recoverable	Prep	3005A			43405	SA	EET ATL	03/24/25 12:30
Total Recoverable	Analysis	6020B		1	45169	IF	EET ATL	03/31/25 14:56
Total/NA	Prep	7470A			44502	HM	EET ATL	03/27/25 19:04
Total/NA	Analysis	7470A		1	44544	GR	EET ATL	03/27/25 22:28
Total/NA	Analysis	350.1		1	11360	ME	EET RAL	03/21/25 11:20
Total/NA	Analysis	353.2		1	11309	ME	EET RAL	03/20/25 16:45
Total/NA	Analysis	353.2		1	11369	ME	EET RAL	03/24/25 10:53
Total/NA	Analysis	Nitrate by calc		1	11378	LEB	EET RAL	03/26/25 16:31

Client Sample ID: SW-2
Date Collected: 03/19/25 12:00
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	704134	WPD	EET PEN	04/01/25 17:25
Total/NA	Prep	3510C			703408	BKL	EET PEN	03/25/25 12:15
Total/NA	Analysis	8270E		1	703693	S1B	EET PEN	03/27/25 20:45
Total/NA	Prep	3510C			703615	LWL	EET PEN	03/26/25 16:26
Total/NA	Analysis	8270E SIM ID		1	704079	VC1	EET PEN	03/31/25 18:16
Total/NA	Analysis	9056A		1	703138	AMM	EET PEN	03/22/25 17:52
Total Recoverable	Prep	3005A			43405	SA	EET ATL	03/24/25 12:30
Total Recoverable	Analysis	6020B		1	43966	IF	EET ATL	03/26/25 00:56
Total Recoverable	Prep	3005A			43405	SA	EET ATL	03/24/25 12:30
Total Recoverable	Analysis	6020B		1	45169	IF	EET ATL	03/31/25 14:58
Total/NA	Prep	7470A			44502	HM	EET ATL	03/27/25 19:04
Total/NA	Analysis	7470A		1	44544	GR	EET ATL	03/27/25 22:40
Total/NA	Analysis	350.1		1	11360	ME	EET RAL	03/21/25 11:22
Total/NA	Analysis	353.2		1	11309	ME	EET RAL	03/20/25 16:46
Total/NA	Analysis	353.2		1	11369	ME	EET RAL	03/24/25 10:58
Total/NA	Analysis	Nitrate by calc		1	11378	LEB	EET RAL	03/26/25 16:31

Lab Chronicle

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SW-3
Date Collected: 03/19/25 11:15
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	704134	WPD	EET PEN	04/01/25 17:49
Total/NA	Prep	3510C			703408	BKL	EET PEN	03/25/25 12:15
Total/NA	Analysis	8270E		1	703693	S1B	EET PEN	03/27/25 21:10
Total/NA	Prep	3510C			703615	LWL	EET PEN	03/26/25 16:26
Total/NA	Analysis	8270E SIM ID		1	704079	VC1	EET PEN	03/31/25 18:38
Total/NA	Analysis	9056A		1	703138	AMM	EET PEN	03/22/25 18:01
Total Recoverable	Prep	3005A			43405	SA	EET ATL	03/24/25 12:30
Total Recoverable	Analysis	6020B		1	43966	IF	EET ATL	03/26/25 00:58
Total Recoverable	Prep	3005A			43405	SA	EET ATL	03/24/25 12:30
Total Recoverable	Analysis	6020B		1	45169	IF	EET ATL	03/31/25 15:01
Total/NA	Prep	7470A			44502	HM	EET ATL	03/27/25 19:04
Total/NA	Analysis	7470A		1	44544	GR	EET ATL	03/27/25 22:44
Total/NA	Analysis	350.1		1	11360	ME	EET RAL	03/21/25 11:24
Total/NA	Analysis	353.2		1	11309	ME	EET RAL	03/20/25 16:47
Total/NA	Analysis	353.2		1	11369	ME	EET RAL	03/24/25 11:00
Total/NA	Analysis	Nitrate by calc		1	11378	LEB	EET RAL	03/26/25 16:31

Client Sample ID: SW-4
Date Collected: 03/19/25 11:00
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	704134	WPD	EET PEN	04/01/25 18:14
Total/NA	Prep	3510C			703408	BKL	EET PEN	03/25/25 12:15
Total/NA	Analysis	8270E		1	703693	S1B	EET PEN	03/27/25 21:35
Total/NA	Prep	3510C			703615	LWL	EET PEN	03/26/25 16:26
Total/NA	Analysis	8270E SIM ID		1	704079	VC1	EET PEN	03/31/25 19:00
Total/NA	Analysis	9056A		1	703138	AMM	EET PEN	03/22/25 18:09
Total Recoverable	Prep	3005A			43405	SA	EET ATL	03/24/25 12:30
Total Recoverable	Analysis	6020B		1	43966	IF	EET ATL	03/26/25 01:01
Total Recoverable	Prep	3005A			43405	SA	EET ATL	03/24/25 12:30
Total Recoverable	Analysis	6020B		1	45169	IF	EET ATL	03/31/25 15:03
Total/NA	Prep	7470A			44502	HM	EET ATL	03/27/25 19:04
Total/NA	Analysis	7470A		1	44544	GR	EET ATL	03/27/25 22:48
Total/NA	Analysis	350.1		1	11360	ME	EET RAL	03/21/25 11:25
Total/NA	Analysis	353.2		1	11309	ME	EET RAL	03/20/25 16:50
Total/NA	Analysis	353.2		1	11369	ME	EET RAL	03/24/25 11:06
Total/NA	Analysis	Nitrate by calc		1	11378	LEB	EET RAL	03/26/25 16:31

Lab Chronicle

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SW-5
Date Collected: 03/19/25 10:00
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	704296	BPO	EET PEN	04/02/25 13:02
Total/NA	Prep	3510C			703408	BKL	EET PEN	03/25/25 12:15
Total/NA	Analysis	8270E		1	703693	S1B	EET PEN	03/27/25 22:00
Total/NA	Prep	3510C			703615	LWL	EET PEN	03/26/25 16:26
Total/NA	Analysis	8270E SIM ID		1	704079	VC1	EET PEN	03/31/25 19:21
Total/NA	Analysis	9056A		1	703138	AMM	EET PEN	03/22/25 18:35
Total Recoverable	Prep	3005A			43405	SA	EET ATL	03/24/25 12:30
Total Recoverable	Analysis	6020B		1	43966	IF	EET ATL	03/26/25 01:03
Total Recoverable	Prep	3005A			43405	SA	EET ATL	03/24/25 12:30
Total Recoverable	Analysis	6020B		1	45169	IF	EET ATL	03/31/25 15:06
Total/NA	Prep	7470A			44502	HM	EET ATL	03/27/25 19:04
Total/NA	Analysis	7470A		1	44544	GR	EET ATL	03/27/25 22:52
Total/NA	Analysis	350.1		1	11360	ME	EET RAL	03/21/25 11:30
Total/NA	Analysis	353.2		1	11309	ME	EET RAL	03/20/25 16:51
Total/NA	Analysis	353.2		1	11369	ME	EET RAL	03/24/25 11:08
Total/NA	Analysis	Nitrate by calc		1	11378	LEB	EET RAL	03/26/25 16:31

Client Sample ID: SW-6
Date Collected: 03/19/25 09:15
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	704296	BPO	EET PEN	04/02/25 13:26
Total/NA	Prep	3510C			703408	BKL	EET PEN	03/25/25 12:15
Total/NA	Analysis	8270E		1	703693	S1B	EET PEN	03/27/25 22:26
Total/NA	Prep	3510C			703615	LWL	EET PEN	03/26/25 16:26
Total/NA	Analysis	8270E SIM ID		1	704079	VC1	EET PEN	03/31/25 19:43
Total/NA	Analysis	9056A		1	703138	AMM	EET PEN	03/22/25 18:43
Total Recoverable	Prep	3005A			43405	SA	EET ATL	03/24/25 12:30
Total Recoverable	Analysis	6020B		1	43966	IF	EET ATL	03/26/25 01:06
Total Recoverable	Prep	3005A			43405	SA	EET ATL	03/24/25 12:30
Total Recoverable	Analysis	6020B		1	45169	IF	EET ATL	03/31/25 15:08
Total/NA	Prep	7470A			44502	HM	EET ATL	03/27/25 19:04
Total/NA	Analysis	7470A		1	44544	GR	EET ATL	03/27/25 22:56
Total/NA	Analysis	350.1		1	11360	ME	EET RAL	03/21/25 11:32
Total/NA	Analysis	353.2		1	11309	ME	EET RAL	03/20/25 16:52
Total/NA	Analysis	353.2		1	11369	ME	EET RAL	03/24/25 11:09
Total/NA	Analysis	Nitrate by calc		1	11378	LEB	EET RAL	03/26/25 16:31

Lab Chronicle

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SW-7
Date Collected: 03/19/25 09:00
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	704296	BPO	EET PEN	04/02/25 13:51
Total/NA	Prep	3510C			703408	BKL	EET PEN	03/25/25 12:15
Total/NA	Analysis	8270E		1	703693	S1B	EET PEN	03/27/25 22:52
Total/NA	Prep	3510C			703615	LWL	EET PEN	03/26/25 16:26
Total/NA	Analysis	8270E SIM ID		1	704079	VC1	EET PEN	03/31/25 20:04
Total/NA	Analysis	9056A		1	703138	AMM	EET PEN	03/22/25 18:52
Total Recoverable	Prep	3005A			43405	SA	EET ATL	03/24/25 12:30
Total Recoverable	Analysis	6020B		1	43966	IF	EET ATL	03/26/25 01:08
Total Recoverable	Prep	3005A			43405	SA	EET ATL	03/24/25 12:30
Total Recoverable	Analysis	6020B		1	45169	IF	EET ATL	03/31/25 15:10
Total/NA	Prep	7470A			44502	HM	EET ATL	03/27/25 19:04
Total/NA	Analysis	7470A		1	44544	GR	EET ATL	03/27/25 23:11
Total/NA	Analysis	350.1		1	11360	ME	EET RAL	03/21/25 11:34
Total/NA	Analysis	353.2		1	11309	ME	EET RAL	03/20/25 16:53
Total/NA	Analysis	353.2		1	11369	ME	EET RAL	03/24/25 11:11
Total/NA	Analysis	Nitrate by calc		1	11378	LEB	EET RAL	03/26/25 16:31

Client Sample ID: SW-Dup
Date Collected: 03/19/25 00:00
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	704296	BPO	EET PEN	04/02/25 14:15
Total/NA	Prep	3510C			703408	BKL	EET PEN	03/25/25 12:15
Total/NA	Analysis	8270E		1	703693	S1B	EET PEN	03/27/25 23:17
Total/NA	Prep	3510C			703615	LWL	EET PEN	03/26/25 16:26
Total/NA	Analysis	8270E SIM ID		1	704079	VC1	EET PEN	03/31/25 20:26
Total/NA	Analysis	9056A		1	703138	AMM	EET PEN	03/22/25 19:00
Total Recoverable	Prep	3005A			43405	SA	EET ATL	03/24/25 12:30
Total Recoverable	Analysis	6020B		1	43966	IF	EET ATL	03/26/25 01:10
Total Recoverable	Prep	3005A			43405	SA	EET ATL	03/24/25 12:30
Total Recoverable	Analysis	6020B		1	45169	IF	EET ATL	03/31/25 15:13
Total/NA	Prep	7470A			44502	HM	EET ATL	03/27/25 19:04
Total/NA	Analysis	7470A		1	44544	GR	EET ATL	03/27/25 23:15
Total/NA	Analysis	350.1		1	11360	ME	EET RAL	03/21/25 11:36
Total/NA	Analysis	353.2		1	11309	ME	EET RAL	03/20/25 16:54
Total/NA	Analysis	353.2		1	11369	ME	EET RAL	03/24/25 11:13
Total/NA	Analysis	Nitrate by calc		1	11378	LEB	EET RAL	03/26/25 16:31

Lab Chronicle

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: Trip Blank 1
Date Collected: 03/19/25 09:00
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	704296	BPO	EET PEN	04/02/25 11:24

Client Sample ID: Trip Blank 2
Date Collected: 03/19/25 09:00
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	704296	BPO	EET PEN	04/02/25 11:48

Client Sample ID: Trip Blank 3
Date Collected: 03/19/25 09:00
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	704296	BPO	EET PEN	04/02/25 12:13

Client Sample ID: Trip Blank 4
Date Collected: 03/19/25 09:00
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	704296	BPO	EET PEN	04/02/25 12:37

Client Sample ID: SED-1
Date Collected: 03/19/25 13:00
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	703529	TMP	EET PEN	03/26/25 09:36

Client Sample ID: SED-1
Date Collected: 03/19/25 13:00
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-13
Matrix: Solid
Percent Solids: 89.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			704294	RSG	EET PEN	04/02/25 08:15
Total/NA	Analysis	8260D		1	704276	RSG	EET PEN	04/02/25 10:28
Total/NA	Prep	3546			703462	AP	EET PEN	03/25/25 16:37
Total/NA	Analysis	8270E		5	704166	S1B	EET PEN	04/01/25 14:50
Total/NA	Prep	3546			704042	AP	EET PEN	03/31/25 11:20
Total/NA	Analysis	8270E SIM ID		10	704353	VC1	EET PEN	04/02/25 15:33
Soluble	Leach	DI Leach			703222	AMM	EET PEN	03/24/25 11:41
Soluble	Analysis	9056A		1	703275	AMM	EET PEN	03/24/25 18:23
Soluble	Leach	DI Leach			703222	AMM	EET PEN	03/24/25 11:41
Soluble	Analysis	9056A		1	703276	AMM	EET PEN	03/24/25 18:23

Lab Chronicle

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SED-1
Date Collected: 03/19/25 13:00
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-13
Matrix: Solid
Percent Solids: 89.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3050B			43918	BR	EET ATL	03/26/25 08:20
Total/NA	Analysis	6020B		5	44580	KB	EET ATL	03/27/25 18:25
Total/NA	Prep	7471B			44405	HM	EET ATL	03/27/25 14:14
Total/NA	Analysis	7471B		1	44592	HM	EET ATL	03/28/25 08:52
Soluble	Leach	DI Leach			703690	CAC	EET PEN	03/27/25 10:00
Soluble	Analysis	350.1		1	704116	CAC	EET PEN	03/31/25 16:34

Client Sample ID: SED-2
Date Collected: 03/19/25 12:00
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	703529	TMP	EET PEN	03/26/25 09:36

Client Sample ID: SED-2
Date Collected: 03/19/25 12:00
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-14
Matrix: Solid
Percent Solids: 74.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			704294	RSG	EET PEN	04/02/25 08:15
Total/NA	Analysis	8260D		1	704276	RSG	EET PEN	04/02/25 10:50
Total/NA	Prep	3546			703462	AP	EET PEN	03/25/25 16:37
Total/NA	Analysis	8270E		2	703881	S1B	EET PEN	03/28/25 18:53
Total/NA	Prep	3546			704042	AP	EET PEN	03/31/25 11:20
Total/NA	Analysis	8270E SIM ID		5	704353	VC1	EET PEN	04/02/25 15:54
Soluble	Leach	DI Leach			703222	AMM	EET PEN	03/24/25 11:41
Soluble	Analysis	9056A		1	703275	AMM	EET PEN	03/24/25 18:48
Soluble	Leach	DI Leach			703222	AMM	EET PEN	03/24/25 11:41
Soluble	Analysis	9056A		1	703276	AMM	EET PEN	03/24/25 18:48
Total/NA	Prep	3050B			43918	BR	EET ATL	03/26/25 08:20
Total/NA	Analysis	6020B		5	44580	KB	EET ATL	03/27/25 18:28
Total/NA	Prep	7471B			44405	HM	EET ATL	03/27/25 14:14
Total/NA	Analysis	7471B		1	44592	HM	EET ATL	03/28/25 09:08
Soluble	Leach	DI Leach			703690	CAC	EET PEN	03/27/25 10:00
Soluble	Analysis	350.1		1	704116	CAC	EET PEN	03/31/25 16:34

Client Sample ID: SED-3
Date Collected: 03/19/25 11:15
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	703529	TMP	EET PEN	03/26/25 09:36

Lab Chronicle

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SED-3
Date Collected: 03/19/25 11:15
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-15
Matrix: Solid
Percent Solids: 76.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			703984	IMC	EET PEN	03/30/25 11:06
Total/NA	Analysis	8260D		1	703977	IMC	EET PEN	03/30/25 18:33
Total/NA	Prep	3546			703462	AP	EET PEN	03/25/25 16:37
Total/NA	Analysis	8270E		2	703881	S1B	EET PEN	03/28/25 19:18
Total/NA	Prep	3546			704042	AP	EET PEN	03/31/25 11:20
Total/NA	Analysis	8270E SIM ID		5	704353	VC1	EET PEN	04/02/25 16:16
Soluble	Leach	DI Leach			703222	AMM	EET PEN	03/24/25 11:41
Soluble	Analysis	9056A		1	703275	AMM	EET PEN	03/24/25 18:57
Soluble	Leach	DI Leach			703222	AMM	EET PEN	03/24/25 11:41
Soluble	Analysis	9056A		1	703276	AMM	EET PEN	03/24/25 18:57
Total/NA	Prep	3050B			43918	BR	EET ATL	03/26/25 08:20
Total/NA	Analysis	6020B		5	44580	KB	EET ATL	03/27/25 18:30
Total/NA	Prep	7471B			44405	HM	EET ATL	03/27/25 14:14
Total/NA	Analysis	7471B		1	44592	HM	EET ATL	03/28/25 09:12
Soluble	Leach	DI Leach			703690	CAC	EET PEN	03/27/25 10:00
Soluble	Analysis	350.1		1	704116	CAC	EET PEN	03/31/25 16:34

Client Sample ID: SED-4
Date Collected: 03/19/25 11:00
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	703529	TMP	EET PEN	03/26/25 09:36

Client Sample ID: SED-4
Date Collected: 03/19/25 11:00
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-16
Matrix: Solid
Percent Solids: 75.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			704294	RSG	EET PEN	04/02/25 08:15
Total/NA	Analysis	8260D		1	704276	RSG	EET PEN	04/02/25 11:12
Total/NA	Prep	3546			703462	AP	EET PEN	03/25/25 16:37
Total/NA	Analysis	8270E		2	703881	S1B	EET PEN	03/28/25 19:42
Total/NA	Prep	3546			704042	AP	EET PEN	03/31/25 11:20
Total/NA	Analysis	8270E SIM ID		5	704353	VC1	EET PEN	04/02/25 16:38
Soluble	Leach	DI Leach			703222	AMM	EET PEN	03/24/25 11:41
Soluble	Analysis	9056A		1	703275	AMM	EET PEN	03/24/25 19:05
Soluble	Leach	DI Leach			703222	AMM	EET PEN	03/24/25 11:41
Soluble	Analysis	9056A		1	703276	AMM	EET PEN	03/24/25 19:05
Total/NA	Prep	3050B			43918	BR	EET ATL	03/26/25 08:20
Total/NA	Analysis	6020B		5	44580	KB	EET ATL	03/27/25 18:32
Total/NA	Prep	7471B			44405	HM	EET ATL	03/27/25 14:14
Total/NA	Analysis	7471B		1	44592	HM	EET ATL	03/28/25 09:15
Soluble	Leach	DI Leach			703690	CAC	EET PEN	03/27/25 10:00
Soluble	Analysis	350.1		1	704116	CAC	EET PEN	03/31/25 16:34

Lab Chronicle

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SED-5
Date Collected: 03/19/25 10:00
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	703529	TMP	EET PEN	03/26/25 09:36

Client Sample ID: SED-5
Date Collected: 03/19/25 10:00
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-17
Matrix: Solid
Percent Solids: 73.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			704294	RSG	EET PEN	04/02/25 08:15
Total/NA	Analysis	8260D		1	704276	RSG	EET PEN	04/02/25 11:34
Total/NA	Prep	3546			703462	AP	EET PEN	03/25/25 16:37
Total/NA	Analysis	8270E		2	703881	S1B	EET PEN	03/28/25 20:07
Total/NA	Prep	3546			704042	AP	EET PEN	03/31/25 11:20
Total/NA	Analysis	8270E SIM ID		5	704353	VC1	EET PEN	04/02/25 16:59
Soluble	Leach	DI Leach			703222	AMM	EET PEN	03/24/25 11:41
Soluble	Analysis	9056A		1	703275	AMM	EET PEN	03/24/25 19:14
Soluble	Leach	DI Leach			703222	AMM	EET PEN	03/24/25 11:41
Soluble	Analysis	9056A		1	703276	AMM	EET PEN	03/24/25 19:14
Total/NA	Prep	3050B			43918	BR	EET ATL	03/26/25 08:20
Total/NA	Analysis	6020B		5	44580	KB	EET ATL	03/27/25 18:35
Total/NA	Prep	7471B			44405	HM	EET ATL	03/27/25 14:14
Total/NA	Analysis	7471B		1	44592	HM	EET ATL	03/28/25 09:18
Soluble	Leach	DI Leach			703690	CAC	EET PEN	03/27/25 10:00
Soluble	Analysis	350.1		1	704116	CAC	EET PEN	03/31/25 16:34

Client Sample ID: SED-6
Date Collected: 03/19/25 09:15
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	703529	TMP	EET PEN	03/26/25 09:36

Client Sample ID: SED-6
Date Collected: 03/19/25 09:15
Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-18
Matrix: Solid
Percent Solids: 74.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			704294	RSG	EET PEN	04/02/25 08:15
Total/NA	Analysis	8260D		1	704276	RSG	EET PEN	04/02/25 11:55
Total/NA	Prep	3546			703462	AP	EET PEN	03/25/25 16:37
Total/NA	Analysis	8270E		2	703881	S1B	EET PEN	03/28/25 20:31
Total/NA	Prep	3546			704042	AP	EET PEN	03/31/25 11:20
Total/NA	Analysis	8270E SIM ID		5	704353	VC1	EET PEN	04/02/25 17:21
Soluble	Leach	DI Leach			703222	AMM	EET PEN	03/24/25 11:41
Soluble	Analysis	9056A		1	703275	AMM	EET PEN	03/24/25 19:39

Lab Chronicle

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SED-6

Date Collected: 03/19/25 09:15

Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-18

Matrix: Solid

Percent Solids: 74.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			703222	AMM	EET PEN	03/24/25 11:41
Soluble	Analysis	9056A		1	703276	AMM	EET PEN	03/24/25 19:39
Total/NA	Prep	3050B			43918	BR	EET ATL	03/26/25 08:20
Total/NA	Analysis	6020B		5	44580	KB	EET ATL	03/27/25 18:37
Total/NA	Prep	7471B			44405	HM	EET ATL	03/27/25 14:14
Total/NA	Analysis	7471B		1	44592	HM	EET ATL	03/28/25 09:22
Soluble	Leach	DI Leach			703690	CAC	EET PEN	03/27/25 10:00
Soluble	Analysis	350.1		1	704116	CAC	EET PEN	03/31/25 16:34

Client Sample ID: SED-7

Date Collected: 03/19/25 09:00

Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-19

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	703529	TMP	EET PEN	03/26/25 09:36

Client Sample ID: SED-7

Date Collected: 03/19/25 09:00

Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-19

Matrix: Solid

Percent Solids: 77.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			704294	RSG	EET PEN	04/02/25 08:15
Total/NA	Analysis	8260D		1	704276	RSG	EET PEN	04/02/25 12:17
Total/NA	Prep	3546			703462	AP	EET PEN	03/25/25 16:37
Total/NA	Analysis	8270E		2	703881	S1B	EET PEN	03/28/25 20:56
Total/NA	Prep	3546			704042	AP	EET PEN	03/31/25 11:20
Total/NA	Analysis	8270E SIM ID		5	704353	VC1	EET PEN	04/02/25 17:43
Soluble	Leach	DI Leach			703222	AMM	EET PEN	03/24/25 11:41
Soluble	Analysis	9056A		1	703275	AMM	EET PEN	03/24/25 19:48
Soluble	Leach	DI Leach			703222	AMM	EET PEN	03/24/25 11:41
Soluble	Analysis	9056A		1	703276	AMM	EET PEN	03/24/25 19:48
Total/NA	Prep	3050B			43918	BR	EET ATL	03/26/25 08:20
Total/NA	Analysis	6020B		5	44580	KB	EET ATL	03/27/25 18:40
Total/NA	Prep	7471B			44405	HM	EET ATL	03/27/25 14:14
Total/NA	Analysis	7471B		1	44592	HM	EET ATL	03/28/25 09:25
Soluble	Leach	DI Leach			703690	CAC	EET PEN	03/27/25 10:00
Soluble	Analysis	350.1		1	704116	CAC	EET PEN	03/31/25 16:34

Client Sample ID: SED-Dup

Date Collected: 03/19/25 00:00

Date Received: 03/20/25 09:08

Lab Sample ID: 752-30758-20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	703529	TMP	EET PEN	03/26/25 09:36

Lab Chronicle

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Client Sample ID: SED-Dup

Lab Sample ID: 752-30758-20

Date Collected: 03/19/25 00:00

Matrix: Solid

Date Received: 03/20/25 09:08

Percent Solids: 78.7

<u>Prep Type</u>	<u>Batch Type</u>	<u>Batch Method</u>	<u>Run</u>	<u>Dilution Factor</u>	<u>Batch Number</u>	<u>Analyst</u>	<u>Lab</u>	<u>Prepared or Analyzed</u>
Total/NA	Prep	5035			703984	IMC	EET PEN	03/30/25 11:06
Total/NA	Analysis	8260D		1	703977	IMC	EET PEN	03/30/25 20:16
Total/NA	Prep	3546			703462	AP	EET PEN	03/25/25 16:37
Total/NA	Analysis	8270E		2	703881	S1B	EET PEN	03/28/25 21:20
Total/NA	Prep	3546			704042	AP	EET PEN	03/31/25 11:20
Total/NA	Analysis	8270E SIM ID		5	704353	VC1	EET PEN	04/02/25 18:05
Soluble	Leach	DI Leach			703222	AMM	EET PEN	03/24/25 11:41
Soluble	Analysis	9056A		1	703275	AMM	EET PEN	03/24/25 19:56
Soluble	Leach	DI Leach			703222	AMM	EET PEN	03/24/25 11:41
Soluble	Analysis	9056A		1	703276	AMM	EET PEN	03/24/25 19:56
Total/NA	Prep	3050B			43918	BR	EET ATL	03/26/25 08:20
Total/NA	Analysis	6020B		5	44580	KB	EET ATL	03/27/25 18:42
Total/NA	Prep	7471B			44405	HM	EET ATL	03/27/25 14:14
Total/NA	Analysis	7471B		1	44592	HM	EET ATL	03/28/25 09:28
Soluble	Leach	DI Leach			703690	CAC	EET PEN	03/28/25 11:22
Soluble	Analysis	350.1		1	704116	CAC	EET PEN	03/31/25 16:34

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

EET RAL = Eurofins Raleigh, 104 Woodwinds Industrial Court, Suite A, Cary, NC 27511, TEL (919)467-3090

Accreditation/Certification Summary

Client: S&ME Inc
 Project/Site: East Durham Park

Job ID: 752-30758-1

Laboratory: Eurofins Raleigh

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
North Carolina (WW/SW)	State	591	12-31-25

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

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
9056A		Solid	Nitrate as N
9056A		Solid	Sulfate
9056A		Water	Sulfate
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/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
7471B	Mercury (CVAA)	SW846	EET ATL
350.1	Nitrogen, Ammonia	EPA	EET PEN
350.1	Nitrogen, Ammonia	EPA	EET RAL
353.2	Nitrogen, Nitrate-Nitrite	EPA	EET RAL
353.2	Nitrogen, Nitrite	EPA	EET RAL
Moisture	Percent Moisture	EPA	EET PEN
Nitrate by calc	Nitrogen, Nitrate-Nitrite	SM	EET RAL
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
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
7471B	Preparation, Mercury	SW846	EET ATL
DI Leach	Deionized Water Leaching Procedure	ASTM	EET PEN

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

EET RAL = Eurofins Raleigh, 104 Woodwinds Industrial Court, Suite A, Cary, NC 27511, TEL (919)467-3090

Sample Summary

Client: S&ME Inc
Project/Site: East Durham Park

Job ID: 752-30758-1


Lab Sample ID	Client Sample ID	Matrix	Collected	Received
752-30758-1	SW-1	Water	03/19/25 13:00	03/20/25 09:08
752-30758-2	SW-2	Water	03/19/25 12:00	03/20/25 09:08
752-30758-3	SW-3	Water	03/19/25 11:15	03/20/25 09:08
752-30758-4	SW-4	Water	03/19/25 11:00	03/20/25 09:08
752-30758-5	SW-5	Water	03/19/25 10:00	03/20/25 09:08
752-30758-6	SW-6	Water	03/19/25 09:15	03/20/25 09:08
752-30758-7	SW-7	Water	03/19/25 09:00	03/20/25 09:08
752-30758-8	SW-Dup	Water	03/19/25 00:00	03/20/25 09:08
752-30758-9	Trip Blank 1	Water	03/19/25 09:00	03/20/25 09:08
752-30758-10	Trip Blank 2	Water	03/19/25 09:00	03/20/25 09:08
752-30758-11	Trip Blank 3	Water	03/19/25 09:00	03/20/25 09:08
752-30758-12	Trip Blank 4	Water	03/19/25 09:00	03/20/25 09:08
752-30758-13	SED-1	Solid	03/19/25 13:00	03/20/25 09:08
752-30758-14	SED-2	Solid	03/19/25 12:00	03/20/25 09:08
752-30758-15	SED-3	Solid	03/19/25 11:15	03/20/25 09:08
752-30758-16	SED-4	Solid	03/19/25 11:00	03/20/25 09:08
752-30758-17	SED-5	Solid	03/19/25 10:00	03/20/25 09:08
752-30758-18	SED-6	Solid	03/19/25 09:15	03/20/25 09:08
752-30758-19	SED-7	Solid	03/19/25 09:00	03/20/25 09:08
752-30758-20	SED-Dup	Solid	03/19/25 00:00	03/20/25 09:08



Eurofins Pensacola

3355 McLemore Drive
Pensacola, FL 32514
Phone (850) 474-1001 Phone (850) 478-2671

Chain of Custody Record

Client Information		Sampler: Jim Peele		Lab PM: Bechtold, Chad		Carrier Tracking No(s):		COC No: 680-166286-59032.1																															
Client Contact: Jim Peele		Phone: 919-872-2660		E-Mail: Chad.Bechtold@et.eurofinsus.com		State of Origin:		Page:																															
Company: S&ME Inc		PWSID:		Analysis Requested						Job #:																													
Address: 3201 Spring Forest Road		Due Date Requested:		<table border="1"> <tr> <td>Field Filtered Sample (Yes or No)</td> <td>350.1 - Ammonia as N - Soil</td> <td>8270E - SIM_ID_D5 - 1,4-Dioxane - Soil</td> <td>8270E - SVOC - Soil</td> <td>9056A - ORGFM_48H - Nitrate as N - Soil</td> <td>9056A - ORGFM_28D - Sulfate - Soil</td> <td>8260D - VOC NC 02L List - Soil</td> <td>6020B - PRLF 16 Metals; 7471B - Hg - Soil</td> <td>350.1 - Ammonia as N - Water</td> <td>9056A - ORGFM_48H - Nitrate as N; 9056A - Sulfate - Water</td> <td>6020B - PRLF 16 Metals; 7470A - Hg - Water</td> <td>8260D - VOC NC 02L List - Water</td> <td>8270E - SIM_ID_D5 - 1,4-Dioxane - Water</td> <td>8270E - SVOCs - Water</td> </tr> <tr> <td>Total Number of containers</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>						Field Filtered Sample (Yes or No)	350.1 - Ammonia as N - Soil	8270E - SIM_ID_D5 - 1,4-Dioxane - Soil	8270E - SVOC - Soil	9056A - ORGFM_48H - Nitrate as N - Soil	9056A - ORGFM_28D - Sulfate - Soil	8260D - VOC NC 02L List - Soil	6020B - PRLF 16 Metals; 7471B - Hg - Soil	350.1 - Ammonia as N - Water	9056A - ORGFM_48H - Nitrate as N; 9056A - Sulfate - Water	6020B - PRLF 16 Metals; 7470A - Hg - Water	8260D - VOC NC 02L List - Water	8270E - SIM_ID_D5 - 1,4-Dioxane - Water	8270E - SVOCs - Water	Total Number of containers														Preservation Codes: N - None FJ - MeOH/DI H2O S - H2SO4 A - HCL	
Field Filtered Sample (Yes or No)	350.1 - Ammonia as N - Soil	8270E - SIM_ID_D5 - 1,4-Dioxane - Soil	8270E - SVOC - Soil							9056A - ORGFM_48H - Nitrate as N - Soil	9056A - ORGFM_28D - Sulfate - Soil	8260D - VOC NC 02L List - Soil	6020B - PRLF 16 Metals; 7471B - Hg - Soil	350.1 - Ammonia as N - Water	9056A - ORGFM_48H - Nitrate as N; 9056A - Sulfate - Water	6020B - PRLF 16 Metals; 7470A - Hg - Water	8260D - VOC NC 02L List - Water	8270E - SIM_ID_D5 - 1,4-Dioxane - Water	8270E - SVOCs - Water																				
Total Number of containers																																							
City: Raleigh		TAT Requested (days):								QR Code 		752-30758 COC		Other:																									
State, Zip: NC, 27616		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No																																					
Phone: 919-872-2660(Tel) 919-876-3958(Fax)		PO #: 23050650AT								Project #: 68026680		Project Name: East Durham Park		SSOW#:																									
Email: JimPeele@smeinc.com		WVO #:								Sample Identification		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=organic/soil, BT=Tissue, A=Air)																					
Site:		Preservation Code:		SW-1		3/19/25		1300		G		W																											
				SW-2				1200																															
				SW-3				1115																															
				SW-4				1100																															
				SW-5				1000																															
				SW-6				0915																															
				SW-7				0900																															
				SW-DUP				-																															

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: *[Signature]* Date/Time: **3/19/25 1530** Company: **S&ME**

Received by: *[Signature]* Date/Time: **3/20/25 0908** Company: **Eurofins**

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:
4 coolers

Initial Temperature: **3.7 °C**
 Correction Factor: **0.2 °C**
 Corrected Temperature: **3.9 °C**
 Temp IR Gun: **CRY T-132**
 Initials: **RY BR PG DW DO LB**

Page 148 of 157 **3.5/3.7, 4.3/4.5, 3.0/3.2**

Eurofins Pensacola

3355 McLemore Drive
Pensacola, FL 32514
Phone (850) 474-1001 Phone (850) 478-2671

Chain of Custody Record

Client Information		Sampler: JIM PEELE		Lab PM: Bechtold, Chad		Carrier Tracking No(s):		COC No: 680-166286-59032.1																																																																																	
Client Contact: Jim Peele		Phone: 919-872-2660		E-Mail: Chad.Bechtold@et.eurofinsus.com		State of Origin:		Page:																																																																																	
Company: S&ME Inc		PWSID:		Analysis Requested						Job #:																																																																															
Address: 3201 Spring Forest Road		Due Date Requested:		<table border="1"> <tr> <td>Field Filtered Sample (Yes or No)</td> <td>350.1 - Ammonia as N - Soil</td> <td>8270E - SIM_ID_D5 - 1,4-Dioxane - Soil</td> <td>8270E - SVOC - Soil</td> <td>9056A - ORGFM_48H - Nitrate as N - Soil</td> <td>9056A - ORGFM_28D - Sulfate - Soil</td> <td>8260D - VOC NC 02L List - Soil</td> <td>6020B - PRLF 16 Metals; 7471B - Hg - Soil</td> <td>350.1 - Ammonia as N - Water</td> <td>9056A - ORGFM_48H - Nitrate as N; 9056A - Sulfate - Water</td> <td>6020B - PRLF 16 Metals; 7470A - Hg - Water</td> <td>8260D - VOC NC 02L List - Water</td> <td>8270E - SIM_ID_D5 - 1,4-Dioxane - Water</td> <td>8270E - SVOCs - Water</td> <td>Total Number of Containers</td> </tr> <tr> <td>Preservation Codes:</td> <td colspan="14">N - None FJ - MeOH/DI H2O S - H2SO4 A - HCL</td> </tr> <tr> <td>Other:</td> <td colspan="14"></td> </tr> <tr> <td>Special Instructions/Note:</td> <td colspan="14"></td> </tr> <tr> <td>Sample Identification</td> <td>Sample Date</td> <td>Sample Time</td> <td>Sample Type (C=Comp, G=grab)</td> <td>Matrix (W=water, S=solid, O=soils/col, BT=Tissue, A=Air)</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>FJ</td> <td>N</td> <td>S</td> <td>N</td> <td>D</td> <td>A</td> <td>N</td> <td>N</td> </tr> </table>						Field Filtered Sample (Yes or No)	350.1 - Ammonia as N - Soil	8270E - SIM_ID_D5 - 1,4-Dioxane - Soil	8270E - SVOC - Soil	9056A - ORGFM_48H - Nitrate as N - Soil	9056A - ORGFM_28D - Sulfate - Soil	8260D - VOC NC 02L List - Soil	6020B - PRLF 16 Metals; 7471B - Hg - Soil	350.1 - Ammonia as N - Water	9056A - ORGFM_48H - Nitrate as N; 9056A - Sulfate - Water	6020B - PRLF 16 Metals; 7470A - Hg - Water	8260D - VOC NC 02L List - Water	8270E - SIM_ID_D5 - 1,4-Dioxane - Water	8270E - SVOCs - Water	Total Number of Containers	Preservation Codes:	N - None FJ - MeOH/DI H2O S - H2SO4 A - HCL														Other:															Special Instructions/Note:															Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=soils/col, BT=Tissue, A=Air)	N	N	N	N	N	FJ	N	S	N	D	A	N	N	Preservation Codes:	
Field Filtered Sample (Yes or No)	350.1 - Ammonia as N - Soil	8270E - SIM_ID_D5 - 1,4-Dioxane - Soil	8270E - SVOC - Soil							9056A - ORGFM_48H - Nitrate as N - Soil	9056A - ORGFM_28D - Sulfate - Soil	8260D - VOC NC 02L List - Soil	6020B - PRLF 16 Metals; 7471B - Hg - Soil	350.1 - Ammonia as N - Water	9056A - ORGFM_48H - Nitrate as N; 9056A - Sulfate - Water	6020B - PRLF 16 Metals; 7470A - Hg - Water	8260D - VOC NC 02L List - Water	8270E - SIM_ID_D5 - 1,4-Dioxane - Water	8270E - SVOCs - Water	Total Number of Containers																																																																					
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Other:																																																																																									
Special Instructions/Note:																																																																																									
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=soils/col, BT=Tissue, A=Air)	N	N	N	N	N	FJ	N	S	N	D	A	N	N																																																																								
City: Raleigh		TAT Requested (days):								Other:																																																																															
State, Zip: NC, 27616		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No																																																																																							
Phone: 919-872-2660(Tel) 919-876-3958(Fax)		PO #: 23050650AT																																																																																							
Email: JimPeele@smeinc.com		WO #:																																																																																							
Project Name: East Durham Park		Project #: 68026680																																																																																							
Site:		SSOW#:																																																																																							

Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)									
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> 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: <i>[Signature]</i>		Date/Time: 3/19/25 1530		Company: S&ME		Received by: <i>[Signature]</i>		Date/Time: 3/20/25 0908		Company: Eurofins	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:							

Eurofins Raleigh

104 Woodwinds Industrial Court Suite A
 Cary, NC 27511
 Phone: 919-467-3090

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Bechtold, Chad	Carrier Tracking No(s): N/A	COC No: 752-5171.1
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 #: 752-30758-1	

Address: 3355 McLemore Drive, City: Pensacola State, Zip: FL, 32514 Phone: 850-474-1001(Tel) 850-478-2671(Fax) Email: N/A Project Name: East Durham Park Site: N/A	Due Date Requested: 3/24/2025 TAT Requested (days): N/A PO #: N/A WO #: N/A Project #: 68026680 SSOW#: N/A	Analysis Requested				Preservation Codes:									
		Field Filtered Sample (Yes or No)	Perform M/S/MSD (Yes or No)	8260D/5030C VOC NC 02L List	8270E_SIM_ID_D5/8510C_LVI 1,4 Dioxane	8270E/3510C_LVI SVOC TCL OLM4.2	9056A_ORGFM_28D/ Sulfate	8260D/5035A_FP VOC NC 02L List	8270E/3546 SVOC TCL OLM4.2	8270E_SIM_ID_D5/3546 1,4-Dioxane	Moisture	350.1/ID1_LEACH Ammonia as N	9056A_ORGFM_28D/ID1_LEACH Sulfate	9056A_ORGFM_48H/ID1_LEACH Nitrate as N	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 M/S/MSD (Yes or No)	8260D/5030C VOC NC 02L List	8270E_SIM_ID_D5/8510C_LVI 1,4 Dioxane	8270E/3510C_LVI SVOC TCL OLM4.2	9056A_ORGFM_28D/ Sulfate	8260D/5035A_FP VOC NC 02L List	8270E/3546 SVOC TCL OLM4.2	8270E_SIM_ID_D5/3546 1,4-Dioxane	Moisture	350.1/ID1_LEACH Ammonia as N	9056A_ORGFM_28D/ID1_LEACH Sulfate	9056A_ORGFM_48H/ID1_LEACH Nitrate as N	Total Number of Containers	Special Instructions/Note:
SW-1 (752-30758-1)	3/19/25	13:00 Eastern	G	Water			X	X	X	X								6	
SW-2 (752-30758-2)	3/19/25	12:00 Eastern	G	Water			X	X	X	X								6	
SW-3 (752-30758-3)	3/19/25	11:15 Eastern	G	Water			X	X	X	X								6	
SW-4 (752-30758-4)	3/19/25	11:00 Eastern	G	Water			X	X	X	X								6	
SW-5 (752-30758-5)	3/19/25	10:00 Eastern	G	Water			X	X	X	X								6	
SW-6 (752-30758-6)	3/19/25	09:15 Eastern	G	Water			X	X	X	X								6	
SW-7 (752-30758-7)	3/19/25	09:00 Eastern	G	Water			X	X	X	X								6	
SW-Dup (752-30758-8)	3/19/25	Eastern	G	Water			X	X	X	X								6	
Trip Blank (752-30758-9)	3/19/25	Eastern	G	Water			X											2	

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	<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> 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: <i>[Signature]</i>	Date/Time: 03/20/25 1343	Company: 1343	Received by: <i>[Signature]</i>
Relinquished by:	Date/Time:	Company:	Received by: <i>[Signature]</i>
Relinquished by:	Date/Time:	Company:	Received by:
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.0°C, 0.0°C, 1.0°C <i>[Signature]</i>	

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4/4/2025



Eurofins Raleigh

104 Woodwinds Industrial Court Suite A
 Cary, NC 27511
 Phone: 919-467-3090

Chain of Custody Record



Client Information (Sub Contract Lab)		Sampler: N/A		Lab PM: Bechtold, Chad		Carrier Tracking No(s): N/A		COC No: 752-5171.2	
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 #: 752-30758-1	
Address: 3355 McLemore Drive,		Due Date Requested: 3/24/2025		Analysis Requested				Preservation Codes:	
City: Pensacola		TAT Requested (days): N/A							
State, Zip: FL, 32514		PO #: N/A		Field Filtered Sample (Yes or No)		Permitted MSMSD (Yes or No)		Total Number of Containers	
Phone: 850-474-1001(Tel) 850-478-2671(Fax)		WO #: N/A							
Email: N/A		Project #: 68026680		8260D/5030C VOC NC 02L List		8270E_SIM_ID_D5/3510C_LVI 1,4-Dioxane		8270E/3510C_LVI SVOC TCL OLM4.2	
Project Name: East Durham Park		SSOW#: N/A		9056A_ORGFM_28D/ Sulfate		8260D/6035A_FP VOC NC 02L List		8270E/3546 SVOC TCL OLM4.2	
Site: N/A				Moisture		350.1/DI_LEACH Ammonia as N		9056A_ORGFM_28D/DI_LEACH Sulfate	
				9056A_ORGFM_48H/DI_LEACH Nitrate as N				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)	
				Preservation Code				Special Instructions/Note:	
Trip Blank (752-30758-10)		3/19/25		09:00 Eastern		G		Water	
Trip Blank (752-30758-11)		3/19/25		09:00 Eastern		G		Water	
Trip Blank (752-30758-12)		3/19/25		09:00 Eastern		G		Water	
SED-1 (752-30758-13)		3/19/25		13:00 Eastern		G		Solid	
SED-2 (752-30758-14)		3/19/25		12:00 Eastern		G		Solid	
SED-3 (752-30758-15)		3/19/25		11:15 Eastern		G		Solid	
SED-4 (752-30758-16)		3/19/25		11:00 Eastern		G		Solid	
SED-5 (752-30758-17)		3/19/25		10:00 Eastern		G		Solid	
SED-6 (752-30758-18)		3/19/25		09:15 Eastern		G		Solid	
<p>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.</p>									
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)				
Unconfirmed					<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> 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: 03/20/25 13:43		Company: 1343		Received by:		Date/Time: 3/21/25 8:40	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:					

Page 151 of 157

4/4/2025



Eurofins Raleigh

104 Woodwinds Industrial Court Suite A
 Cary, NC 27511
 Phone: 919-467-3090

Chain of Custody Record

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Bechtold, Chad	Carrier Tracking No(s): N/A	COC No: 752-5171.3
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 (WWW/SW)	Job #: 752-30758-1
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Address: 3355 McLemore Drive,	Due Date Requested: 3/24/2025	<table border="1"> <tr> <th colspan="12">Analysis Requested</th> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>City: Pensacola</td> <td>TAT Requested (days): N/A</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>State, Zip: FL, 32514</td> <td></td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Phone: 850-474-1001(Tel) 850-478-2671(Fax)</td> <td>PO #: N/A</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Email: N/A</td> <td>WO #: N/A</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Project Name: East Durham Park</td> <td>Project #: 68026680</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Site: N/A</td> <td>SSOW#: N/A</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>	Analysis Requested																								City: Pensacola	TAT Requested (days): N/A											State, Zip: FL, 32514												Phone: 850-474-1001(Tel) 850-478-2671(Fax)	PO #: N/A											Email: N/A	WO #: N/A											Project Name: East Durham Park	Project #: 68026680											Site: N/A	SSOW#: N/A											Preservation Codes: -
Analysis Requested																																																																																																			
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State, Zip: FL, 32514																																																																																																			
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Project Name: East Durham Park	Project #: 68026680																																																																																																		
Site: N/A	SSOW#: 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)	Performs MS/MSD (Yes or No)	8260D/8030C VOC NC 02L List	8270E_SIM_ID_D5/8510C_LVI 1,4-Dioxane	8270E/8510C_LVI SVOC TCL OLM4.2	9056A_ORGFM_28D/ Sulfate	8260D/8035A_FP VOC NC 02L List	8270E/8546 SVOC TCL OLM4.2	8270E_SIM_ID_D5/8546 1,4-Dioxane	Moisture	350.1/DI_LEACH Ammonia as N	9056A_ORGFM_28D/DI_LEACH Sulfate	9056A_ORGFM_48H/DI_LEACH Nitrate as N	Total Number of Containers	Other:	Special Instructions/Note:
SED-7 (752-30758-19)	3/19/25	09:00 Eastern	G	Solid							X	X	X	X	X	X	X			
SED-Dup (752-30758-20)	3/19/25	Eastern	G	Solid							X	X	X	X	X	X	X			

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	<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> 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: 3/20/25 1343	Company: 1343	Received by:
Relinquished by:	Date/Time:	Company:	Received by:
Relinquished by:	Date/Time:	Company:	Received by:

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
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Eurofins Raleigh

104 Woodwinds Industrial Court Suite A
 Cary, NC 27511
 Phone: 919-467-3090

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)				Sampler: N/A		Lab PM: Bechtold, Chad		Carrier Tracking No(s): N/A		COC No: 752-5169.1							
Client Contact: Shipping/Receiving				Phone: N/A		E-Mail: Chad.Bechtold@et.eurofinsus.com		State of Origin: North Carolina		Page: Page 1 of 2							
Company: Eurofins Environment Testing Southeast L						Accreditations Required (See note): State - North Carolina (WW/SW)				Job #: 752-30758-1							
Address: 3080 Presidential Dr,			Due Date Requested: 3/28/2025			Analysis Requested						Preservation Codes:					
City: Atlanta			TAT Requested (days): N/A														
State, Zip: GA, 30340			PO #: N/A			Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		Total Number of containers		Other: N/A					
Phone: 770-457-8177(Tel)			WO #: N/A														
Email: N/A			Project #: 68026680			6020B/3005A PRLF 16 Metals, including prep		7470A/7470A_Prep Mercury		6020B_LL/3050B PRLF 16 Metals, including prep		7473/ Mercury		Special Instructions/Note:			
Project Name: East Durham Park			SSOW#: N/A														
Site: 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)											
						Preservation Code:											
SW-1 (752-30758-1)			3/19/25	13:00 Eastern	G	Water		X	X							1	
SW-2 (752-30758-2)			3/19/25	12:00 Eastern	G	Water		X	X							1	
SW-3 (752-30758-3)			3/19/25	11:15 Eastern	G	Water		X	X							1	
SW-4 (752-30758-4)			3/19/25	11:00 Eastern	G	Water		X	X							1	
SW-5 (752-30758-5)			3/19/25	10:00 Eastern	G	Water		X	X							1	
SW-6 (752-30758-6)			3/19/25	09:15 Eastern	G	Water		X	X							1	
SW-7 (752-30758-7)			3/19/25	09:00 Eastern	G	Water		X	X							1	
SW-Dup (752-30758-8)			3/19/25	Eastern	G	Water		X	X							1	
SED-1 (752-30758-13)			3/19/25	13:00 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				<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> 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: <i>[Signature]</i>		Date/Time: 03/20/25 1330		Company:		Received by: <i>[Signature]</i>	
Relinquished by:		Date/Time:		Company:		Date/Time: 3/21/25 9:42	
Relinquished by:		Date/Time:		Company:		Date/Time:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: <i>29°C</i>			

Eurofins Raleigh

104 Woodwinds Industrial Court Suite A
 Cary, NC 27511
 Phone: 919-467-3090

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)		Sampler: N/A		Lab PM: Bechtold, Chad		Carrier Tracking No(s): N/A		COC No: 752-5169.2																	
Client Contact: Shipping/Receiving		Phone: N/A		E-Mail: Chad.Bechtold@et.eurofinsus.com		State of Origin: North Carolina		Page: Page 2 of 2																	
Company: Eurofins Environment Testing Southeast L				Accreditations Required (See note): State - North Carolina (WW/SW)				Job #: 752-30758-1																	
Address: 3080 Presidential Dr,		Due Date Requested: 3/28/2025		Analysis Requested						Preservation Codes: -															
City: Atlanta		TAT Requested (days): N/A																							
State, Zip: GA, 30340		PO #: N/A		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No)		6020B/3005A PRLF 16 Metals, including prep		7470A/7470A_Prep Mercury		6020B_LL/3050B PRLF 16 Metals, including prep		7473/ Mercury		Total Number of containers											
Phone: 770-457-8177(Tel)		WO #: N/A																							
Email: N/A		Project #: 68026680		Other: N/A		Special Instructions/Note:		Preservation Code:		SED-2 (752-30758-14)		3/19/25		12:00 Eastern		G		Solid		X		X		1	
Project Name: East Durham Park		SSOW#: N/A																							
Site: N/A		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=waste/soil, BT=Tissue, A=Air)		SED-3 (752-30758-15)		3/19/25		11:15 Eastern		G		Solid		X		X		1	
SED-4 (752-30758-16)		3/19/25		11:00 Eastern		G		Solid		X		X		1											
SED-5 (752-30758-17)		3/19/25		10:00 Eastern		G		Solid		X		X		1											
SED-6 (752-30758-18)		3/19/25		09:15 Eastern		G		Solid		X		X		1											
SED-7 (752-30758-19)		3/19/25		09:00 Eastern		G		Solid		X		X		1											
SED-Dup (752-30758-20)		3/19/25		Eastern		G		Solid		X		X		1											
<p>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.</p>																									
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																				
Unconfirmed					<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> 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: 03/20/25 1330		Company:		Received by:			Date/Time: 3/20/25 9:42		Company:													
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: 29° #2665																				



Login Sample Receipt Checklist

Client: S&ME Inc

Job Number: 752-30758-1

Login Number: 30758
List Number: 1
Creator: Yonish, Rachel

List Source: Eurofins Raleigh

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
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 <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	



Login Sample Receipt Checklist

Client: S&ME Inc

Job Number: 752-30758-1

Login Number: 30758
List Number: 2
Creator: Jeremiah, Mortley

List Source: Eurofins Atlanta
List Creation: 03/21/25 12:18 PM

Question	Answer	Comment
Radioactivity wasn't checked or is \leq 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	
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 <math><6\text{mm}</math> (1/4").	N/A	
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: 752-30758-1

Login Number: 30758
List Number: 3
Creator: Perez, Trina M

List Source: Eurofins Pensacola
List Creation: 03/22/25 09:10 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.	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, 0.0°C, 1.0°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.	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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



S&ME, INC.
QUALITY ASSURANCE AND QUALITY CONTROL
LABORATORY DATA REVIEW



Project Name	East Durham Park
S&ME Project No.	23050630
Date of Review	July 16, 2025

1.0 Project Identification

Project Description	Soil Gas Sampling – Hydrogen Sulfide Resample
Project Location	East Durham Park, Durham, Durham County, NC
NCDEQ ID	NONCD0000821
PRLF Task Order(s)	821RI-10

2.0 Laboratory Information

Primary Laboratory Name	EMSL Analytical (ASTM D5504-12 for Hydrogen Sulfide)
Location	200 Route 130, Cinnaminson NJ 08077
EMSL Lab Report IDs, and Sample Collection Dates	EMSL Order ID: 012526074 - Collected on 7/01/2025

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

COC Item	Yes	No	Comments
COC Signed by All Parties	X		
Correct Project No. on COC	X		
Cooler Temperature in Compliance			N/A - Air Samples
Samples Received Within Holding Time	X		
Samples Received in Acceptable Condition	X		
QA/QC Samples Received in Acceptable Condition	X		



4.0 Laboratory Quality Control Review

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

5.0 Data Review Summary

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



EMSL Analytical, Inc.

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:cs@emsl.com
EMSL-CIN-01

EMSL Order ID: 012526074

LIMS Reference ID: AD26074

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 821 East Durham Park
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 07/01/2025 09:45
Reported: 07/16/2025 14:45

Samples in this Report

Lab ID	Sample	Matrix	Date Sampled	Date Received
AD26074-01	821-LFGP-01	Air	06/30/2025	07/01/2025
AD26074-02	821-LFGP-03	Air	06/30/2025	07/01/2025
AD26074-03	821-LFGP-04	Air	06/30/2025	07/01/2025
AD26074-04	821-LFGP-05	Air	06/30/2025	07/01/2025
AD26074-05	821-LFGP-06	Air	06/30/2025	07/01/2025
AD26074-06	821-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: 012526074

LIMS Reference ID: AD26074

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 821 East Durham Park
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 07/01/2025 09:45
Reported: 07/16/2025 14:45

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 slightly 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

Attention: Gerald Paul
S&ME, Inc. [SMEI60]
3201 Spring Forest Road
Raleigh, NC 27616
(919) 872-2660
jpaul@smeinc.com

EMSL Order ID: 012526074
LIMS Reference ID: AD26074
EMSL Customer ID: SMEI60

Project Name: CODP 821 East Durham Park
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 07/01/2025 09:45
Reported: 07/16/2025 14:45

EMSL Analytical, Inc. certifies that this data package is in compliance with the terms and conditions of this contract, both technically and for completeness, for other than 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: 012526074

LIMS Reference ID: AD26074

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 821 East Durham Park
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 07/01/2025 09:45
Reported: 07/16/2025 14:45

EMSL Sample ID: AD26074-01

Collected: 06/30/2025 14:00

Customer Sample ID: 821-LFGP-01

Received: 07/01/2025 09:45

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
07/01/25 14:01	BDG0055	R1162.D	821-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 14:01	
Total Target Compound Concentrations:			0			0			

Threshold References

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, flatul	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 Thresholds 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 Hygienists

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= Permissible Exposure Limit TWA=Time Weighted Average TLV=Threshold 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: 012526074

LIMS Reference ID: AD26074

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 821 East Durham Park
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 07/01/2025 09:45
Reported: 07/16/2025 14:45

EMSL Sample ID: AD26074-02
Customer Sample ID: 821-LFGP-03

Collected: 06/30/2025 14:50
Received: 07/01/2025 09:45

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
07/01/25 14:14	BDG0055	R1163.D	821-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 14:14	
Total Target Compound Concentrations:			0			0			

Threshold References

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 Thresholds 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 Hygienists

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= Permissible Exposure Limit TWA=Time Weighted Average TLV=Threshold 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: 012526074

LIMS Reference ID: AD26074

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 821 East Durham Park
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 07/01/2025 09:45
Reported: 07/16/2025 14:45

EMSL Sample ID: AD26074-03

Collected: 06/30/2025 14:40

Customer Sample ID: 821-LFGP-04

Received: 07/01/2025 09:45

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
07/01/25 14:01	BDG0055	R1162.D	821-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 14:01	
Total Target Compound Concentrations:			0			0			

Threshold References

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, flatul	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 Thresholds for Chemicals with Established Occupational Health Standards", AIHA, Fairfax VA, 1989
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**EMSL Analytical, Inc.**

200 Route 130, Cinnaminson, NJ, 08077
 Telephone: 856-858-4800 Fax:cs@emsl.com
 EMSL-CIN-01

EMSL Order ID: 012526074

LIMS Reference ID: AD26074

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 821 East Durham Park
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 07/01/2025 09:45
Reported: 07/16/2025 14:45

EMSL Sample ID: AD26074-04
Customer Sample ID: 821-LFGP-05

Collected: 06/30/2025 15:00
Received: 07/01/2025 09:45

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
07/01/25 14:40	BDG0055	R1165.D	821-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 14:40	
Total Target Compound Concentrations:			0			0			

Threshold References

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, flatul	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

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Exposure Limit Definitions

PEL= Permissible Exposure Limit TWA=Time Weighted Average TLV=Threshold 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: 012526074

LIMS Reference ID: AD26074

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 821 East Durham Park**Customer PO:****EMSL Sales Rep:** Jason McDonald**Received:** 07/01/2025 09:45**Reported:** 07/16/2025 14:45**EMSL Sample ID:** AD26074-05**Collected:** 06/30/2025 15:00**Customer Sample ID:** 821-LFGP-06**Received:** 07/01/2025 09:45

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
07/01/25 14:53	BDG0055	R1166.D	821-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 14:53	
Total Target Compound Concentrations:			0			0			

Threshold References

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, flatul	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 Thresholds for Chemicals with Established Occupational Health Standards", AIHA, Fairfax VA, 1989
³ MSDS sheet, www.arkema-inc.com

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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= Permissible Exposure Limit TWA=Time Weighted Average TLV=Threshold 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: 012526074

LIMS Reference ID: AD26074

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 821 East Durham Park
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 07/01/2025 09:45
Reported: 07/16/2025 14:45

EMSL Sample ID: AD26074-06

Collected: 06/30/2025 00:00

Customer Sample ID: 821-DUP-01

Received: 07/01/2025 09:45

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
07/01/25 15:06	BDG0055	R1167.D	821-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 15:06	
Total Target Compound Concentrations:			0			0			

Threshold References

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 Thresholds for Chemicals with Established Occupational Health Standards", AIHA, Fairfax VA, 1989
³ MSDS sheet, www.arkema-inc.com

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 ACGIH=American Conference of Governmental Industrial Hygienists

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= Permissible Exposure Limit TWA=Time Weighted Average TLV=Threshold 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: 012526074

LIMS Reference ID: AD26074

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 821 East Durham Park
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 07/01/2025 09:45
Reported: 07/16/2025 14:45

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.
200 Route 130 North
Chinnaminson, NJ 08077

EMSL Order Number / Lab Use Only
AP26074

PHONE: (800) 220-3675
EMAIL: EnvChemistry@EMSL.com

Customer ID: **EMSL**
Billing ID: **EMSL**

Company Name: **S&ME**
Billing Contact: **Gerald Paul**

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**

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 821 East Durham 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) _____

Samples Collected by (Check One): CLIENT EMSL

Samples Received Chilled? Yes No
Other (Specify) _____

Sampled By Name: **Haley Maness**
Sampled By Signature: *Haley Maness*

Standard Turn-Around-Time: 2 Weeks 1 Week 3 Days 4 Days 1 Day

No. of Samples in Shipment: **8**

Client Sample ID	Date / Time Collected	Matrix	Preservative	List Test(s) Needed (Write in test below, then check on sample line):					Field Temp. Test Time	Comments
				Field PH	Field Temp. Deg.C	Field PH Test Time	Field Temp. Test Time	Field Temp. Test Time		
821-LFGP-01	6/30/07	Air	None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	LOW LEVEL H2S
821-LFGP-02	6/30/07	Air	None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	LOW LEVEL H2S
821-LFGP-03	6/30/07	Air	None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	LOW LEVEL H2S
821-LFGP-04	6/30/07	Air	None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	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 821 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 Hz results EDD Excel Other (Describe Above)

Method of Shipment: **FW 62**

Relinquished by: *[Signature]*
Date/Time: **6/30/07 1700**

Relinquished by: *[Signature]*
Date/Time: **6/30/07 1700**

Received by: *[Signature]*
Date/Time: **6/30/07 1700**

Received by: *[Signature]*
Date/Time: **6/30/07 1700**

Environmental Chemistry - Sampling Event

Chain of Custody

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077

PHONE: (800) 220-3675
EMAIL: EnvChemistry2@EMSL.com

RECEIVED EMSL
EMSL
CINNAMINSON, N.J.
EMSL Order Number / Lab Use Only **AD26074**

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	G/L	Date / Time Collected	Matrix	Preservative	List Test(s) Needed (Write in test below, then check on sample line.)							Comments
						Test 1: ASTM 5504 Hydrogen Sulfide	Test 2:	Test 3:	Test 4:	Field PH Test Time	Field Temp. Deg.C	Field Temp. Test Time	
821-LFGP-05	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	6/30/25	Air	None	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Low Level H2S
821-LFGP-06	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	6/30/25	Air	None	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Low Level H2S
821-LFGP-07	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	6/30/25	Air	None	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Low Level H2S
812-DUP-01	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	6/30/25	Air	None	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Low Level H2S
(811) 200/201/25	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>				<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Method of Shipment: **Full Ex**

Relinquished by: **[Signature]** Date/Time: **6/30/25 6:20**

Relinquished by: **[Signature]** Date/Time: **6/30/25 6:20**

Received by: **[Signature]** Date/Time: **7/1/25 9:45am**

Received by: **[Signature]** Date/Time: **7/1/25 1:04pm**

Sample Condition Upon Receipt:

Controlled Document - C00-80 Chemistry Sampling Event R2 02/28/2021 I 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.

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 Durham Park
Site Address:	2500 East Main Street, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000821
Exposure Unit ID:	LFGP-1 Risk Assessment
Submittal Date:	11/7/2025
Prepared By:	Madison Allen
Reviewed By:	Tom Raymond

Exposure Point Concentrations

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: LFGP-1 Risk Assessment

Soil Gas Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

Constituents found exceeding the Method Detection Limit (MDL) were entered.

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
4.8		71-43-2	Benzene			ug/m ³	LFGP-1									
20		142-82-5	Heptane, N-			ug/m ³	LFGP-1									
37		110-54-3	Hexane, N-			ug/m ³	LFGP-1									

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?	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.

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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/m³

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	4.8	0.144	3.6E-01	6.3E+00	4.0E-07	4.6E-03
142-82-5	Heptane, N-	20	0.6	-	8.3E+01		1.4E-03
110-54-3	Hexane, N-	37	1.11	-	1.5E+02		1.5E-03

Cumulative:	4.0E-07	7.6E-03
-------------	---------	---------

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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/m³

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	4.8	0.048	1.6E+00	2.6E+01	3.1E-08	3.7E-04
142-82-5	Heptane, N-	20	0.2	-	3.5E+02		1.1E-04
110-54-3	Hexane, N-	37	0.37	-	6.1E+02		1.2E-04

Cumulative:	3.1E-08	6.0E-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 Durham Park
Site Address:	2500 East Main Street, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000821
Exposure Unit ID:	LFGP-2 Risk Assessment
Submittal Date:	11/7/2025
Prepared By:	Madison Allen
Reviewed By:	Tom Raymond

Exposure Point Concentrations

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: LFGP-2 Risk Assessment

Soil Gas Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

Constituents found exceeding the Method Detection Limit (MDL) were entered.

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
7.2		71-43-2	Benzene			ug/m ³	LFGP-2									
6.8	J	106-99-0	Butadiene, 1,3-			ug/m ³	LFGP-2									
14		75-15-0	Carbon Disulfide			ug/m ³	LFGP-2									
5.8	J	110-54-3	Hexane, N-			ug/m ³	LFGP-2									
12		78-93-3	Methyl Ethyl Ketone (2-Butanone)			ug/m ³	LFGP-2									
12		91-20-3	~Naphthalene			ug/m ³	LFGP-2									
74		115-07-1	Propylene			ug/m ³	LFGP-2									
7.3	J	108-88-3	Toluene			ug/m ³	LFGP-2									
11	J	95-63-6	Trimethylbenzene, 1,2,4-			ug/m ³	LFGP-2									

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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	7.1E-06	2.3E-01	NO
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	5.4E-07	1.8E-02	NO
	Indoor Air	NC	NC	NC

CONTAMINANT MIGRATION CALCULATORS

Pathway	Source	Target Receptor Concentrations Exceeded?	
Groundwater	Source Soil	Exceedence of 2L at Receptor?	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.

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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/m³

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	7.2	0.216	3.6E-01	6.3E+00	6.0E-07	6.9E-03
106-99-0	Butadiene, 1,3-	6.8	0.204	9.4E-02	4.2E-01	2.2E-06	9.8E-02
75-15-0	Carbon Disulfide	14	0.42	-	1.5E+02		5.8E-04
110-54-3	Hexane, N-	5.8	0.174	-	1.5E+02		2.4E-04
78-93-3	Methyl Ethyl Ketone (2-Butanone)	12	0.36	-	1.0E+03		6.9E-05
91-20-3	~Naphthalene	12	0.36	8.3E-02	6.3E-01	4.4E-06	1.2E-01
115-07-1	Propylene	74	2.22	-	6.3E+02		7.1E-04
108-88-3	Toluene	7.3	0.219	-	1.0E+03		4.2E-05
95-63-6	Trimethylbenzene, 1,2,4-	11	0.33	-	1.3E+01		5.3E-03

Cumulative:	7.1E-06	2.3E-01
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Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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/m³

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	7.2	0.072	1.6E+00	2.6E+01	4.6E-08	5.5E-04
106-99-0	Butadiene, 1,3-	6.8	0.068	4.1E-01	1.8E+00	1.7E-07	7.8E-03
75-15-0	Carbon Disulfide	14	0.14	-	6.1E+02		4.6E-05
110-54-3	Hexane, N-	5.8	0.058	-	6.1E+02		1.9E-05
78-93-3	Methyl Ethyl Ketone (2-Butanone)	12	0.12	-	4.4E+03		5.5E-06
91-20-3	~Naphthalene	12	0.12	3.6E-01	2.6E+00	3.3E-07	9.1E-03
115-07-1	Propylene	74	0.74	-	2.6E+03		5.6E-05
108-88-3	Toluene	7.3	0.073	-	4.4E+03		3.3E-06
95-63-6	Trimethylbenzene, 1,2,4-	11	0.11	-	5.3E+01		4.2E-04

Cumulative:	5.4E-07	1.8E-02
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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 Durham Park
Site Address:	2500 East Main Street, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000821
Exposure Unit ID:	LFGP-3 Risk Assessment
Submittal Date:	6/25/2025
Prepared By:	Clay Faircloth
Reviewed By:	Tom Raymond

Exposure Point Concentrations

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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
8.3	J	110-54-3	Hexane, N-			ug/m ³	LFGP-3									
70		75-09-2	Methylene Chloride			ug/m ³	LFGP-3									
25		115-07-1	Propylene			ug/m ³	LFGP-3									

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: LFGP-3 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	0.0E+00	0.0E+00	NO
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	0.0E+00	0.0E+00	NO
	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	2.1E-08	3.9E-03	NO
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	5.7E-10	3.1E-04	NO
	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.

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: LFQP-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/m³

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
110-54-3	Hexane, N-	8.3	0.249	-	1.5E+02		3.4E-04
75-09-2	Methylene Chloride	70	2.1	1.0E+02	1.3E+02	2.1E-08	3.4E-03
115-07-1	Propylene	25	0.75	-	6.3E+02		2.4E-04

Cumulative:	2.1E-08	3.9E-03
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Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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/m³

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
110-54-3	Hexane, N-	8.3	0.083	-	6.1E+02		2.7E-05
75-09-2	Methylene Chloride	70	0.7	1.2E+03	5.3E+02	5.7E-10	2.7E-04
115-07-1	Propylene	25	0.25	-	2.6E+03		1.9E-05

Cumulative:	5.7E-10	3.1E-04
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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 Durham Park
Site Address:	2500 East Main Street, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000821
Exposure Unit ID:	LFGP-4 Risk Assessment
Submittal Date:	11/7/2025
Prepared By:	Clay Faircloth Madison Allen
Reviewed By:	Tom Raymond

Exposure Point Concentrations

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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
4.8		71-43-2	Benzene			ug/m ³	LFGP-4									
4.1	J	106-99-0	Butadiene, 1,3-			ug/m ³	LFGP-4									
150		75-15-0	Carbon Disulfide			ug/m ³	LFGP-4									
29		78-93-3	Methyl Ethyl Ketone (2-Butanone)			ug/m ³	LFGP-4									
34		115-07-1	Propylene			ug/m ³	LFGP-4									
6.2	J	108-88-3	Toluene			ug/m ³	LFGP-4									

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: LFGP-4 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	0.0E+00	0.0E+00	NO
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	0.0E+00	0.0E+00	NO
	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	7.0E-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	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?	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.

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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/m³

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	4.8	0.144	3.6E-01	6.3E+00	4.0E-07	4.6E-03
106-99-0	Butadiene, 1,3-	4.1	0.123	9.4E-02	4.2E-01	1.3E-06	5.9E-02
75-15-0	Carbon Disulfide	150	4.5	-	1.5E+02		6.2E-03
78-93-3	Methyl Ethyl Ketone (2-Butanone)	29	0.87	-	1.0E+03		1.7E-04
115-07-1	Propylene	34	1.02	-	6.3E+02		3.3E-04
108-88-3	Toluene	6.2	0.186	-	1.0E+03		3.6E-05

Cumulative:	1.7E-06	7.0E-02
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Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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/m³

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	4.8	0.048	1.6E+00	2.6E+01	3.1E-08	3.7E-04
106-99-0	Butadiene, 1,3-	4.1	0.041	4.1E-01	1.8E+00	1.0E-07	4.7E-03
75-15-0	Carbon Disulfide	150	1.5	-	6.1E+02		4.9E-04
78-93-3	Methyl Ethyl Ketone (2-Butanone)	29	0.29	-	4.4E+03		1.3E-05
115-07-1	Propylene	34	0.34	-	2.6E+03		2.6E-05
108-88-3	Toluene	6.2	0.062	-	4.4E+03		2.8E-06

Cumulative:	1.3E-07	5.6E-03
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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 Durham Park
Site Address:	2500 East Main Street, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000821
Exposure Unit ID:	LFGP-7 Risk Assessment
Submittal Date:	6/25/2025
Prepared By:	Clay Faircloth
Reviewed By:	Tom Raymond

Exposure Point Concentrations

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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
9.8	J	142-82-5	Heptane, N-			ug/m ³	LFGP-7									
12		78-93-3	Methyl Ethyl Ketone (2-Butanone)			ug/m ³	LFGP-7									

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: LFGP-7 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	0.0E+00	0.0E+00	NO
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	0.0E+00	0.0E+00	NO
	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	7.7E-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	6.1E-05	NO
	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.

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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/m³

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
142-82-5	Heptane, N-	9.8	0.294	-	8.3E+01		7.0E-04
78-93-3	Methyl Ethyl Ketone (2-Butanone)	12	0.36	-	1.0E+03		6.9E-05

Cumulative:	0.0E+00	7.7E-04
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Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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/m³

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
142-82-5	Heptane, N-	9.8	0.098	-	3.5E+02		5.6E-05
78-93-3	Methyl Ethyl Ketone (2-Butanone)	12	0.12	-	4.4E+03		5.5E-06

Cumulative:	0.0E+00	6.1E-05
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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 Durham Park
Site Address:	2500 East Main Street, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000821
Exposure Unit ID:	LFGP-8 Risk Assessment
Submittal Date:	6/25/2025
Prepared By:	Clay Faircloth
Reviewed By:	Tom Raymond

Exposure Point Concentrations

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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
11	J	78-93-3	Methyl Ethyl Ketone (2-Butanone)			ug/m ³	LFGP-8									

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: LFGP-8 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	0.0E+00	0.0E+00	NO
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	0.0E+00	0.0E+00	NO
	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	6.3E-05	NO
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	0.0E+00	5.0E-06	NO
	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.

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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 $\mu\text{g}/\text{m}^3$

CAS #	Chemical Name:	Soil Gas Concentration ($\mu\text{g}/\text{m}^3$)	Calculated Indoor Air Concentration ($\mu\text{g}/\text{m}^3$)	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)	11	0.33	-	1.0E+03		6.3E-05

Cumulative:	0.0E+00	6.3E-05
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Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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/m³

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)	11	0.11	-	4.4E+03		5.0E-06

Cumulative:	0.0E+00	5.0E-06
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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 Durham Park
Site Address:	2500 East Main Street, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000821
Exposure Unit ID:	LFGP-9 Risk Assessment
Submittal Date:	6/25/2025
Prepared By:	Clay Faircloth
Reviewed By:	Tom Raymond

Exposure Point Concentrations

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: LFGP-9 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
23		75-15-0	Carbon Disulfide			ug/m ³	LFGP-9									
24		110-54-3	Hexane, N-			ug/m ³	LFGP-9									
13	J	78-93-3	Methyl Ethyl Ketone (2-Butanone)			ug/m ³	LFGP-9									

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: LFGP-9 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	0.0E+00	0.0E+00	NO
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	0.0E+00	0.0E+00	NO
	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	2.0E-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	1.6E-04	NO
	Indoor Air	NC	NC	NC

CONTAMINANT MIGRATION CALCULATORS

Pathway	Source	Target Receptor Concentrations Exceeded?	
Groundwater	Source Soil	Exceedence of 2L at Receptor?	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.

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: LFGP-9 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/m³

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	23	0.69	-	1.5E+02		9.5E-04
110-54-3	Hexane, N-	24	0.72	-	1.5E+02		9.9E-04
78-93-3	Methyl Ethyl Ketone (2-Butanone)	13	0.39	-	1.0E+03		7.5E-05

Cumulative:	0.0E+00	2.0E-03
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Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: LFGP-9 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/m³

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	23	0.23	-	6.1E+02		7.5E-05
110-54-3	Hexane, N-	24	0.24	-	6.1E+02		7.8E-05
78-93-3	Methyl Ethyl Ketone (2-Butanone)	13	0.13	-	4.4E+03		5.9E-06

Cumulative:	0.0E+00	1.6E-04
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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 Durham Park
Site Address:	2500 East Main Street, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000821
Exposure Unit ID:	SW-1 Risk Assessment
Submittal Date:	9/18/2025
Prepared By:	Madison Allen
Reviewed By:	Jerry Paul

Exposure Point Concentrations

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD000821

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
0.0645		7664-41-7	Ammonia			ug/L	SW-1									
84.3		7440-39-3	Barium			ug/L	SW-1									
0.291	J	7440-43-9	Cadmium (Diet)			ug/L	SW-1									
0.789	J	7440-48-4	Cobalt			ug/L	SW-1									
6.25		7440-50-8	Copper			ug/L	SW-1									
1.37		7439-92-1	-Lead and Compounds			ug/L	SW-1									
274		7439-96-5b	Manganese (Diet)			ug/L	SW-1									
3.01	J	7440-02-0	Nickel Soluble Salts			ug/L	SW-1									
89.6	J	14797-55-8	Nitrate (measured as nitrogen)			ug/L	SW-1									
23.3		7440-66-6	Zinc and Compounds			ug/L	SW-1									

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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*	0.0E+00	3.5E-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.

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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
7664-41-7	Ammonia	0.0645	0.0645						
7440-39-3	Barium	84.3	84.3				1.7E-03	1.3E-03	2.9E-03
7440-43-9	Cadmium (Diet)	0.291	0.291				1.1E-02		1.1E-02
7440-48-4	Cobalt	0.789	0.789				1.0E-02	2.2E-04	1.1E-02
7440-50-8	Copper	6.25	6.25				6.2E-04	3.3E-05	6.5E-04
7439-92-1	~Lead and Compounds	1.37	1.37						
7439-96-5b	Manganese (Diet)	274	274				7.7E-03		7.7E-03
7440-02-0	Nickel Soluble Salts	3.01	3.01				5.9E-04	1.6E-04	7.5E-04
14797-55-8	Nitrate (measured as nitrogen)	89.6	89.6				2.2E-04	1.2E-05	2.3E-04
7440-66-6	Zinc and Compounds	23.3	23.3				3.1E-04	9.8E-06	3.2E-04

Cumulative: 0.0E+00

3.5E-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 Durham Park
Site Address:	2500 East Main Street, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000821
Exposure Unit ID:	SW-2 Risk Assessment
Submittal Date:	9/18/2025
Prepared By:	Madison Allen
Reviewed By:	Jerry Paul

Exposure Point Concentrations

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD000821

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
67.3		7664-41-7	Ammonia			ug/L	SW-2									
81.1		7440-39-3	Barium			ug/L	SW-2									
0.301	J	7440-43-9	Cadmium (Diet)			ug/L	SW-2									
0.861	J	7440-48-4	Cobalt			ug/L	SW-2									
5.5		7440-50-8	Copper			ug/L	SW-2									
0.308		123-91-1	Dioxane, 1,4-			ug/L	SW-2									
1.08		7439-92-1	~Lead and Compounds			ug/L	SW-2									
305		7439-96-5b	Manganese (Diet)			ug/L	SW-2									
3.13	J	7440-02-0	Nickel Soluble Salts			ug/L	SW-2									
128	J	14797-55-8	Nitrate (measured as nitrogen)			ug/L	SW-2									
21.1		7440-66-6	Zinc and Compounds			ug/L	SW-2									

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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*	1.7E-08	3.7E-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.

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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
7664-41-7	Ammonia	67.3	67.3						
7440-39-3	Barium	81.1	81.1				1.6E-03	1.2E-03	2.8E-03
7440-43-9	Cadmium (Diet)	0.301	0.301				1.2E-02		1.2E-02
7440-48-4	Cobalt	0.861	0.861				1.1E-02	2.4E-04	1.2E-02
7440-50-8	Copper	5.5	5.5				5.4E-04	2.9E-05	5.7E-04
123-91-1	Dioxane, 1,4-	0.308	0.308	1.6E-08	7.1E-10	1.7E-08	4.1E-05	9.5E-07	4.1E-05
7439-92-1	~Lead and Compounds	1.08	1.08						
7439-96-5b	Manganese (Diet)	305	305				8.6E-03		8.6E-03
7440-02-0	Nickel Soluble Salts	3.13	3.13				6.2E-04	1.6E-04	7.8E-04
14797-55-8	Nitrate (measured as nitrogen)	128	128				3.2E-04	1.7E-05	3.3E-04
7440-66-6	Zinc and Compounds	21.1	21.1				2.8E-04	8.8E-06	2.9E-04

Cumulative: 1.7E-08

3.7E-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 Durham Park
Site Address:	2500 East Main Street, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000821
Exposure Unit ID:	SW-3 Risk Assessment
Submittal Date:	9/18/2025
Prepared By:	Madison Allen
Reviewed By:	Jerry Paul

Exposure Point Concentrations

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD000821

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
49.9	J	7664-41-7	Ammonia			ug/L										
80.2		7440-39-3	Barium			ug/L										
0.635	J	7440-48-4	Cobalt			ug/L										
5.56		7440-50-8	Copper			ug/L										
0.924	J	7439-92-1	-Lead and Compounds			ug/L										
277		7439-96-5b	Manganese (Diet)			ug/L										
2.73	J	7440-02-0	Nickel Soluble Salts			ug/L										
142	J	14797-55-8	Nitrate (measured as nitrogen)			ug/L										
20.3		7440-66-6	Zinc and Compounds			ug/L										

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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	2.1E-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.

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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
7664-41-7	Ammonia	49.9	49.9						
7440-39-3	Barium	80.2	80.2				1.6E-03	1.2E-03	2.8E-03
7440-48-4	Cobalt	0.635	0.635				8.4E-03	1.8E-04	8.5E-03
7440-50-8	Copper	5.56	5.56				5.5E-04	2.9E-05	5.8E-04
7439-92-1	~Lead and Compounds	0.924	0.924						
7439-96-5b	Manganese (Diet)	277	277				7.8E-03		7.8E-03
7440-02-0	Nickel Soluble Salts	2.73	2.73				5.4E-04	1.4E-04	6.8E-04
14797-55-8	Nitrate (measured as nitrogen)	142	142				3.5E-04	1.9E-05	3.7E-04
7440-66-6	Zinc and Compounds	20.3	20.3				2.7E-04	8.5E-06	2.8E-04

Cumulative: 0.0E+00

2.1E-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 Durham Park
Site Address:	2500 East Main Street, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000821
Exposure Unit ID:	SW-4 Risk Assessment
Submittal Date:	9/18/2025
Prepared By:	Madison Allen
Reviewed By:	Jerry Paul

Exposure Point Concentrations

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD000821

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
46.8	J	7664-41-7	Ammonia			ug/L	SW-4									
78.3		7440-39-3	Barium			ug/L	SW-4									
0.3	J	7440-43-9	Cadmium (Diet)			ug/L	SW-4									
0.614	J	7440-48-4	Cobalt			ug/L	SW-4									
5		7440-50-8	Copper			ug/L	SW-4									
0.864		7439-92-1	-Lead and Compounds			ug/L	SW-4									
253		7439-96-5b	Manganese (Diet)			ug/L	SW-4									
2.56	J	7440-02-0	Nickel Soluble Salts			ug/L	SW-4									
131	J	14797-55-8	Nitrate (measured as nitrogen)			ug/L	SW-4									
18.3		7440-66-6	Zinc and Compounds			ug/L	SW-4									

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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	3.2E-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.

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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
7664-41-7	Ammonia	46.8	46.8						
7440-39-3	Barium	78.3	78.3				1.5E-03	1.2E-03	2.7E-03
7440-43-9	Cadmium (Diet)	0.3	0.3				1.2E-02		1.2E-02
7440-48-4	Cobalt	0.614	0.614				8.1E-03	1.7E-04	8.2E-03
7440-50-8	Copper	5	5				4.9E-04	2.6E-05	5.2E-04
7439-92-1	~Lead and Compounds	0.864	0.864						
7439-96-5b	Manganese (Diet)	253	253				7.1E-03		7.1E-03
7440-02-0	Nickel Soluble Salts	2.56	2.56				5.0E-04	1.3E-04	6.4E-04
14797-55-8	Nitrate (measured as nitrogen)	131	131				3.2E-04	1.7E-05	3.4E-04
7440-66-6	Zinc and Compounds	18.3	18.3				2.4E-04	7.7E-06	2.5E-04

Cumulative: 0.0E+00

3.2E-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 Durham Park
Site Address:	2500 East Main Street, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000821
Exposure Unit ID:	SW-5 Risk Assessment
Submittal Date:	9/18/2025
Prepared By:	Madison Allen
Reviewed By:	Jerry Paul

Exposure Point Concentrations

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD000821

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
50.1		7664-41-7	Ammonia			ug/L	SW-5									
78.6		7440-39-3	Barium			ug/L	SW-5									
0.303	J	7440-43-9	Cadmium (Diet)			ug/L	SW-5									
0.64	J	7440-48-4	Cobalt			ug/L	SW-5									
7.97		7440-50-8	Copper			ug/L	SW-5									
1.07		7439-92-1	-Lead and Compounds			ug/L	SW-5									
225		7439-96-5b	Manganese (Diet)			ug/L	SW-5									
2.46	J	7440-02-0	Nickel Soluble Salts			ug/L	SW-5									
104	J	14797-55-8	Nitrate (measured as nitrogen)			ug/L	SW-5									
21		7440-66-6	Zinc and Compounds			ug/L	SW-5									

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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*	0.0E+00	3.2E-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.

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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	50.1	50.1						
7440-39-3	Barium	78.6	78.6				1.6E-03	1.2E-03	2.7E-03
7440-43-9	Cadmium (Diet)	0.303	0.303				1.2E-02		1.2E-02
7440-48-4	Cobalt	0.64	0.64				8.4E-03	1.8E-04	8.6E-03
7440-50-8	Copper	7.97	7.97				7.9E-04	4.2E-05	8.3E-04
7439-92-1	~Lead and Compounds	1.07	1.07						
7439-96-5b	Manganese (Diet)	225	225				6.3E-03		6.3E-03
7440-02-0	Nickel Soluble Salts	2.46	2.46				4.9E-04	1.3E-04	6.1E-04
14797-55-8	Nitrate (measured as nitrogen)	104	104				2.6E-04	1.4E-05	2.7E-04
7440-66-6	Zinc and Compounds	21	21				2.8E-04	8.8E-06	2.8E-04

Cumulative: 0.0E+00

3.2E-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 Durham Park
Site Address:	2500 East Main Street, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000821
Exposure Unit ID:	SW-6 Rik Assessment
Submittal Date:	9/18/2025
Prepared By:	Madison Allen
Reviewed By:	Jerry Paul

Exposure Point Concentrations

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD000821

Exposure Unit ID: SW-6 Rik 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
42.6	J	7664-41-7	Ammonia			ug/L	SW-6									
83.8		7440-39-3	Barium			ug/L	SW-6									
0.66	J	7440-48-4	Cobalt			ug/L	SW-6									
6.16		7440-50-8	Copper			ug/L	SW-6									
0.307		123-91-1	Dioxane, 1,4-			ug/L	SW-6									
1.47		7439-92-1	-Lead and Compounds			ug/L	SW-6									
264		7439-96-5b	Manganese (Diet)			ug/L	SW-6									
3.05	J	7440-02-0	Nickel Soluble Salts			ug/L	SW-6									
101		14797-55-8	Nitrate (measured as nitrogen)			ug/L	SW-6									
23.8		7440-66-6	Zinc and Compounds			ug/L	SW-6									

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: SW-6 Rik 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*	1.7E-08	2.1E-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.

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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
7664-41-7	Ammonia	42.6	42.6						
7440-39-3	Barium	83.8	83.8				1.7E-03	1.3E-03	2.9E-03
7440-48-4	Cobalt	0.66	0.66				8.7E-03	1.8E-04	8.9E-03
7440-50-8	Copper	6.16	6.16				6.1E-04	3.2E-05	6.4E-04
123-91-1	Dioxane, 1,4-	0.307	0.307	1.6E-08	7.1E-10	1.7E-08	4.0E-05	9.4E-07	4.1E-05
7439-92-1	~Lead and Compounds	1.47	1.47						
7439-96-5b	Manganese (Diet)	264	264				7.4E-03		7.4E-03
7440-02-0	Nickel Soluble Salts	3.05	3.05				6.0E-04	1.6E-04	7.6E-04
14797-55-8	Nitrate (measured as nitrogen)	101	101				2.5E-04	1.3E-05	2.6E-04
7440-66-6	Zinc and Compounds	23.8	23.8				3.1E-04	1.0E-05	3.2E-04

Cumulative: 1.7E-08

2.1E-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 Durham Park
Site Address:	2500 East Main Street, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000821
Exposure Unit ID:	SW-7 Risk Assessment
Submittal Date:	9/18/2025
Prepared By:	Madison Allen
Reviewed By:	Jerry Paul

Exposure Point Concentrations

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD000821

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
61.3	J	7664-41-7	Ammonia			ug/L	SW-DUP									
83.2		7440-39-3	Barium			ug/L	SW-DUP									
1.12	J	7440-48-4	Cobalt			ug/L	SW-DUP									
5.95		7440-50-8	Copper			ug/L	SW-DUP									
0.305		123-91-1	Dioxane, 1,4-			ug/L	SW-7									
1.8		7439-92-1	-Lead and Compounds			ug/L	SW-DUP									
436		7439-96-5b	Manganese (Diet)			ug/L	SW-DUP									
3.31	J	7440-02-0	Nickel Soluble Salts			ug/L	SW-DUP									
106		14797-55-8	Nitrate (measured as nitrogen)			ug/L	SW-DUP									
24.6		7440-66-6	Zinc and Compounds			ug/L	SW-DUP									

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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*	1.7E-08	3.2E-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.

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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	61.3	61.3						
7440-39-3	Barium	83.2	83.2				1.6E-03	1.2E-03	2.9E-03
7440-48-4	Cobalt	1.12	1.12				1.5E-02	3.1E-04	1.5E-02
7440-50-8	Copper	5.95	5.95				5.9E-04	3.1E-05	6.2E-04
123-91-1	Dioxane, 1,4-	0.305	0.305	1.6E-08	7.1E-10	1.7E-08	4.0E-05	9.4E-07	4.1E-05
7439-92-1	~Lead and Compounds	1.8	1.8						
7439-96-5b	Manganese (Diet)	436	436				1.2E-02		1.2E-02
7440-02-0	Nickel Soluble Salts	3.31	3.31				6.5E-04	1.7E-04	8.3E-04
14797-55-8	Nitrate (measured as nitrogen)	106	106				2.6E-04	1.4E-05	2.8E-04
7440-66-6	Zinc and Compounds	24.6	24.6				3.2E-04	1.0E-05	3.3E-04

Cumulative: 1.7E-08

3.2E-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 Durham Park
Site Address:	2500 East Main Street, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000821
Exposure Unit ID:	SED-1 Risk Assessment
Submittal Date:	9/18/2025
Prepared By:	Madison Allen
Reviewed By:	Jerry Paul

Exposure Point Concentrations

Input Form 2A

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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 <i>For the chemicals highlighted in blue, data entry notes are provided in the PSRG Table link on the Main Menu</i>	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
0.0378		67-64-1	Acetone			mg/kg	SED-1									
0.67	J F1	7664-41-7	Ammonia			mg/kg	SED-1									
2.66		7440-38-2	Arsenic, Inorganic			mg/kg	SED-1									
70		7440-39-3	Barium			mg/kg	SED-1									
0.628		7440-41-7	Beryllium and compounds			mg/kg	SED-1									
0.202	J	7440-43-9	Cadmium (Diet)			mg/kg	SED-1									
13.8		16065-83-1	Chromium(III), Insoluble Salts			mg/kg	SED-1									
9.93		7440-48-4	Cobalt			mg/kg	SED-1									
33.3		7440-50-8	Copper			mg/kg	SED-1									
60.5		7439-92-1	-Lead and Compounds			mg/kg	SED-1									
270		7439-96-5	Manganese (Non-diet)			mg/kg	SED-1									
0.0362	J	7439-97-6	-Mercury (elemental)			mg/kg	SED-1									
31.7		7440-02-0	Nickel Soluble Salts			mg/kg	SED-1									
1.06	J F1	14797-55-8	Nitrate (measured as nitrogen)			mg/kg	SED-1									
1.34	J	56-55-3	-Benz[a]anthracene			mg/kg	SED-1									
1.79	J	50-32-8	-Benzoflpyrene			mg/kg	SED-1									
2.02	F1	205-99-2	-Benzoflfluoranthene			mg/kg	SED-1									
0.932	J	207-08-9	-Benzoflfluoranthene			mg/kg	SED-1									
1.53	J	218-01-9	-Chrysene			mg/kg	SED-1									
2.58		206-44-0	-Fluoranthene			mg/kg	SED-1									
1.04	J F2 F1	193-39-5	-Indeno[1,2,3-cd]pyrene			mg/kg	SED-1									
2.29	F1	129-00-0	-Pyrene			mg/kg	SED-1									
1.11	J	7782-49-2	Selenium			mg/kg	SED-1									
0.0326	J	7440-22-4	Silver			mg/kg	SED-1									
0.0532	J	7440-28-0	Thallium (Soluble Salts)			mg/kg	SED-1									
27.8		7440-62-2	Vanadium and Compounds			mg/kg	SED-1									
66.5		7440-66-6	Zinc and Compounds			mg/kg	SED-1									

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: SED-1 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	2.3E-05	9.6E-01	NO
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	2.0E-06	6.7E-02	NO
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	1.0E-05	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.

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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	0.0378	0.0378	0.0378					5.4E-07			5.4E-07
7664-41-7	Ammonia	0.67	0.67	0.67							2.2E-11	2.2E-11
7440-38-2	Arsenic, Inorganic	2.66	2.66	2.66	3.4E-06	4.8E-07	6.9E-11	3.9E-06	6.8E-02	8.1E-03	2.9E-06	7.6E-02
7440-39-3	Barium	70	70	70					4.5E-03		2.3E-06	4.5E-03
7440-41-7	Beryllium and compounds	0.628	0.628	0.628			9.0E-12	9.0E-12	4.0E-03		5.1E-07	4.0E-03
7440-43-9	Cadmium (Diet)	0.202	0.202	0.202			2.2E-12	2.2E-12	2.6E-02	2.5E-03	3.3E-07	2.8E-02
16065-83-1	Chromium(III), Insoluble Salts	13.8	13.8	13.8					1.2E-04			1.2E-04
7440-48-4	Cobalt	9.93	9.93	9.93			5.4E-10	5.4E-10	4.2E-01		2.7E-05	4.2E-01
7440-50-8	Copper	33.3	33.3	33.3					1.1E-02			1.1E-02
7439-92-1	-Lead and Compounds	60.5	60.5	60.5					<SL**	<SL**	<SL**	
7439-96-5	Manganese (Non-diet)	270	270	270					1.4E-01			8.7E-05
7439-97-6	-Mercury (elemental)	0.0362	0.0362	0.0362							4.8E-03	4.8E-03
7440-02-0	Nickel Soluble Salts	31.7	31.7	31.7			4.9E-11	4.9E-11	2.0E-02		5.1E-05	2.0E-02
14797-55-8	Nitrate (measured as nitrogen)	1.06	1.06	1.06					8.5E-06			8.5E-06
56-55-3	-Benz[a]anthracene	1.34	1.34	1.34	8.7E-07	2.9E-07	1.7E-08	1.2E-06				
50-32-8	-Benzo[a]pyrene	1.79	1.79	1.79	1.2E-05	3.9E-06	1.8E-11	1.6E-05	7.6E-02	2.4E-02	1.4E-05	1.0E-01
205-99-2	-Benzo[b]fluoranthene	2.02	2.02	2.02	1.3E-06	4.4E-07	2.0E-12	1.8E-06				
207-08-9	-Benzo[k]fluoranthene	0.932	0.932	0.932	6.1E-08	2.0E-08	9.3E-14	8.1E-08				
218-01-9	-Chrysene	1.53	1.53	1.53	1.0E-08	3.3E-09	1.5E-14	1.3E-08				
206-44-0	-Fluoranthene	2.58	2.58	2.58					8.2E-04	2.5E-04		1.1E-03
193-39-5	-Indeno[1,2,3-cd]pyrene	1.04	1.04	1.04	6.8E-07	2.3E-07	1.0E-12	9.1E-07				
129-00-0	-Pyrene	2.29	2.29	2.29					9.8E-04	3.0E-04		1.3E-03
7782-49-2	Selenium	1.11	1.11	1.11					2.8E-03		9.0E-10	2.8E-03
7440-22-4	Silver	0.0326	0.0326	0.0326					8.3E-05			8.3E-05
7440-28-0	Thallium (Soluble Salts)	0.0532	0.0532	0.0532					6.8E-02			6.8E-02
7440-62-2	Vanadium and Compounds	27.8	27.8	27.8					7.1E-02		4.5E-06	7.1E-02
7440-66-6	Zinc and Compounds	66.5	66.5	66.5					2.8E-03			2.8E-03

Cumulative:

2.3E-05

9.6E-01

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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	0.0378	0.0378	0.0378					3.6E-08			3.6E-08
7664-41-7	Ammonia	0.67	0.67	0.67							5.2E-12	5.2E-12
7440-38-2	Arsenic, Inorganic	2.66	2.66	2.66	7.3E-07	1.5E-07	1.6E-11	8.9E-07	4.6E-03	9.6E-04	6.8E-07	5.5E-03
7440-39-3	Barium	70	70	70					3.0E-04		5.4E-07	3.0E-04
7440-41-7	Beryllium and compounds	0.628	0.628	0.628			2.1E-12	2.1E-12	2.7E-04		1.2E-07	2.7E-04
7440-43-9	Cadmium (Diet)	0.202	0.202	0.202			5.0E-13	5.0E-13	1.7E-03	2.9E-04	7.8E-08	2.0E-03
16065-83-1	Chromium(III), Insoluble Salts	13.8	13.8	13.8					7.9E-06			7.9E-06
7440-48-4	Cobalt	9.93	9.93	9.93			1.2E-10	1.2E-10	2.8E-02		6.4E-06	2.8E-02
7440-50-8	Copper	33.3	33.3	33.3					7.1E-04			7.1E-04
7439-92-1	-Lead and Compounds	60.5	60.5	60.5					<SL**	<SL**	<SL**	
7439-96-5	Manganese (Non-diet)	270	270	270					9.6E-03		2.1E-05	9.7E-03
7439-97-6	-Mercury (elemental)	0.0362	0.0362	0.0362							1.1E-03	1.1E-03
7440-02-0	Nickel Soluble Salts	31.7	31.7	31.7			1.1E-11	1.1E-11	1.4E-03		1.2E-05	1.4E-03
14797-55-8	Nitrate (measured as nitrogen)	1.06	1.06	1.06					5.7E-07			5.7E-07
56-55-3	-Benzo[a]anthracene	1.34	1.34	1.34	4.1E-08	2.3E-08	1.4E-09	6.5E-08				
50-32-8	-Benzo[a]pyrene	1.79	1.79	1.79	5.5E-07	3.0E-07	1.5E-12	8.5E-07	5.1E-03	2.8E-03	3.4E-06	7.9E-03
205-99-2	-Benzo[b]fluoranthene	2.02	2.02	2.02	6.2E-08	3.4E-08	1.7E-13	9.6E-08				
207-08-9	-Benzo[k]fluoranthene	0.932	0.932	0.932	2.8E-09	1.6E-09	7.7E-15	4.4E-09				
218-01-9	-Chrysene	1.53	1.53	1.53	4.7E-10	2.6E-10	1.3E-15	7.3E-10				
206-44-0	-Fluoranthene	2.58	2.58	2.58					5.5E-05	3.0E-05		8.6E-05
193-39-5	-Indeno[1,2,3-cd]pyrene	1.04	1.04	1.04	3.2E-08	1.7E-08	8.6E-14	4.9E-08				
129-00-0	-Pyrene	2.29	2.29	2.29					6.5E-05	3.6E-05		1.0E-04
7782-49-2	Selenium	1.11	1.11	1.11					1.9E-04		2.1E-10	1.9E-04
7440-22-4	Silver	0.0326	0.0326	0.0326					5.6E-06			5.6E-06
7440-28-0	Thallium (Soluble Salts)	0.0532	0.0532	0.0532					4.6E-03			4.6E-03
7440-62-2	Vanadium and Compounds	27.8	27.8	27.8					4.7E-03		1.1E-06	4.7E-03
7440-66-6	Zinc and Compounds	66.5	66.5	66.5					1.9E-04			1.9E-04

Cumulative:

2.0E-06

6.7E-02

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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	0.0378	0.0378	0.0378					2.3E-07			2.3E-07
7664-41-7	Ammonia	0.67	0.67	0.67							7.7E-13	7.7E-13
7440-38-2	Arsenic, Inorganic	2.66	2.66	2.66	1.5E-06	2.1E-07	2.5E-12	1.7E-06	2.9E-02	3.5E-03	1.0E-07	3.3E-02
7440-39-3	Barium	70	70	70					1.9E-03		8.1E-08	1.9E-03
7440-41-7	Beryllium and compounds	0.628	0.628	0.628			3.2E-13	3.2E-13	1.7E-03		1.8E-08	1.7E-03
7440-43-9	Cadmium (Diet)	0.202	0.202	0.202			7.8E-14	7.8E-14	1.1E-02	1.1E-03	1.2E-08	1.2E-02
16065-83-1	Chromium(III), Insoluble Salts	13.8	13.8	13.8					5.0E-05			5.0E-05
7440-48-4	Cobalt	9.93	9.93	9.93			1.9E-11	1.9E-11	1.8E-01		9.6E-07	1.8E-01
7440-50-8	Copper	33.3	33.3	33.3					4.6E-03			4.6E-03
7439-92-1	-Lead and Compounds	60.5	60.5	60.5					<SL**	<SL**	<SL**	
7439-96-5	Manganese (Non-diet)	270	270	270					6.2E-02		3.1E-06	6.2E-02
7439-97-6	-Mercury (elemental)	0.0362	0.0362	0.0362							1.7E-04	1.7E-04
7440-02-0	Nickel Soluble Salts	31.7	31.7	31.7			1.8E-12	1.8E-12	8.7E-03		1.8E-06	8.7E-03
14797-55-8	Nitrate (measured as nitrogen)	1.06	1.06	1.06					3.6E-06			3.6E-06
56-55-3	-Benz[a]anthracene	1.34	1.34	1.34	3.7E-07	1.3E-07	6.0E-10	5.0E-07				
50-32-8	-Benzo[a]pyrene	1.79	1.79	1.79	5.0E-06	1.7E-06	6.4E-13	6.7E-06	3.3E-02	1.0E-02	5.2E-07	4.3E-02
205-99-2	-Benzo[b]fluoranthene	2.02	2.02	2.02	5.7E-07	1.9E-07	7.2E-14	7.5E-07				
207-08-9	-Benzo[k]fluoranthene	0.932	0.932	0.932	2.6E-08	8.7E-09	3.3E-15	3.5E-08				
218-01-9	-Chrysene	1.53	1.53	1.53	4.3E-09	1.4E-09	5.5E-16	5.7E-09				
206-44-0	-Fluoranthene	2.58	2.58	2.58					3.5E-04	1.1E-04		4.6E-04
193-39-5	-Indeno[1,2,3-cd]pyrene	1.04	1.04	1.04	2.9E-07	9.7E-08	3.7E-14	3.9E-07				
129-00-0	-Pyrene	2.29	2.29	2.29					4.2E-04	1.3E-04		5.5E-04
7782-49-2	Selenium	1.11	1.11	1.11					1.2E-03		3.2E-11	1.2E-03
7440-22-4	Silver	0.0326	0.0326	0.0326					3.6E-05			3.6E-05
7440-28-0	Thallium (Soluble Salts)	0.0532	0.0532	0.0532					2.9E-02			2.9E-02
7440-62-2	Vanadium and Compounds	27.8	27.8	27.8					3.0E-02		1.6E-07	3.0E-02
7440-66-6	Zinc and Compounds	66.5	66.5	66.5					1.2E-03			1.2E-03

Cumulative:

1.0E-05

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 Durham Park
Site Address:	2500 East Main Street, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000821
Exposure Unit ID:	SED-2 Risk Assessment
Submittal Date:	9/18/2025
Prepared By:	Madison Allen
Reviewed By:	Jerry Paul

Exposure Point Concentrations

Input Form 2A

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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 <i>For the chemicals highlighted in blue, data entry notes are provided in the PSRG Table link on the Main Menu</i>	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
0.0682		67-64-1	Acetone			mg/kg	SED-2									
0.243	K	7440-36-0	Antimony (metallic)			mg/kg	SED-2									
1.14		7440-38-2	Arsenic, Inorganic			mg/kg	SED-2									
36.2		7440-39-3	Barium			mg/kg	SED-2									
0.2	J	7440-41-7	Beryllium and compounds			mg/kg	SED-2									
0.187	J	7440-43-9	Cadmium (Diet)			mg/kg	SED-2									
6.52		16065-83-1	Chromium(III), Insoluble Salts			mg/kg	SED-2									
3.11		7440-48-4	Cobalt			mg/kg	SED-2									
28.8		7440-50-8	Copper			mg/kg	SED-2									
44		7439-92-1	-Lead and Compounds			mg/kg	SED-2									
157		7439-96-5	Manganese (Non-diet)			mg/kg	SED-2									
0.0263	J	7439-97-6	-Mercury (elemental)			mg/kg	SED-2									
0.00872	J	78-93-3	Methyl Ethyl Ketone (2-Butanone)			mg/kg	SED-2									
8.71		7440-02-0	Nickel Soluble Salts			mg/kg	SED-2									
0.0485	J	7440-22-4	Silver			mg/kg	SED-2									
12.5		7440-62-2	Vanadium and Compounds			mg/kg	SED-2									
93		7440-66-6	Zinc and Compounds			mg/kg	SED-2									

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: SED-2 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	1.7E-06	3.4E-01	NO
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	3.8E-07	2.4E-02	NO
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	7.2E-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.

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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
67-64-1	Acetone	0.0682	0.0682	0.0682					9.7E-07			9.7E-07
7440-36-0	Antimony (metallic)	0.243	0.243	0.243					7.8E-03		1.3E-08	7.8E-03
7440-38-2	Arsenic, Inorganic	1.14	1.14	1.14	1.5E-06	2.1E-07	2.9E-11	1.7E-06	2.9E-02	3.5E-03	1.2E-06	3.3E-02
7440-39-3	Barium	36.2	36.2	36.2					2.3E-03		1.2E-06	2.3E-03
7440-41-7	Beryllium and compounds	0.2	0.2	0.2			2.9E-12	2.9E-12	1.3E-03		1.6E-07	1.3E-03
7440-43-9	Cadmium (Diet)	0.187	0.187	0.187			2.0E-12	2.0E-12	2.4E-02	2.3E-03	3.0E-07	2.6E-02
16065-83-1	Chromium(III), Insoluble Salts	6.52	6.52	6.52					5.6E-05			5.6E-05
7440-48-4	Cobalt	3.11	3.11	3.11			1.7E-10	1.7E-10	1.3E-01		8.4E-06	1.3E-01
7440-50-8	Copper	28.8	28.8	28.8					9.2E-03			9.2E-03
7439-92-1	-Lead and Compounds	41	41	41					<SL**	<SL**	<SL**	
7439-96-5	Manganese (Non-diet)	157	157	157					8.4E-02		5.1E-05	8.4E-02
7439-97-6	-Mercury (elemental)	0.0263	0.0263	0.0263							3.5E-03	3.5E-03
78-93-3	Methyl Ethyl Ketone (2-Butanone)	0.00872	0.00872	0.00872					1.9E-07		1.3E-07	3.1E-07
7440-02-0	Nickel Soluble Salts	8.71	8.71	8.71			1.4E-11	1.4E-11	5.6E-03		1.4E-05	5.6E-03
7440-22-4	Silver	0.0485	0.0485	0.0485					1.2E-04			1.2E-04
7440-62-2	Vanadium and Compounds	12.5	12.5	12.5					3.2E-02		2.0E-06	3.2E-02
7440-66-6	Zinc and Compounds	93	93	93					4.0E-03			4.0E-03

Cumulative:

1.7E-06

3.4E-01

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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
67-64-1	Acetone	0.0682	0.0682	0.0682					6.5E-08			6.5E-08
7440-36-0	Antimony (metallic)	0.243	0.243	0.243					5.2E-04		3.1E-09	5.2E-04
7440-38-2	Arsenic, Inorganic	1.14	1.14	1.14	3.1E-07	6.6E-08	6.7E-12	3.8E-07	2.0E-03	4.1E-04	2.9E-07	2.4E-03
7440-39-3	Barium	36.2	36.2	36.2					1.5E-04		2.8E-07	1.6E-04
7440-41-7	Beryllium and compounds	0.2	0.2	0.2			6.6E-13	6.6E-13	8.6E-05		3.8E-08	8.6E-05
7440-43-9	Cadmium (Diet)	0.187	0.187	0.187			4.6E-13	4.6E-13	1.6E-03	2.7E-04	7.2E-08	1.9E-03
16065-83-1	Chromium(III), Insoluble Salts	6.52	6.52	6.52					3.7E-06			3.7E-06
7440-48-4	Cobalt	3.11	3.11	3.11			3.8E-11	3.8E-11	8.9E-03		2.0E-06	8.9E-03
7440-50-8	Copper	28.8	28.8	28.8					6.2E-04			6.2E-04
7439-92-1	-Lead and Compounds	41	41	41					<SL**	<SL**	<SL**	
7439-96-5	Manganese (Non-diet)	157	157	157					5.6E-03		1.2E-05	5.6E-03
7439-97-6	-Mercury (elemental)	0.0263	0.0263	0.0263							8.3E-04	8.3E-04
78-93-3	Methyl Ethyl Ketone (2-Butanone)	0.00872	0.00872	0.00872					1.2E-08		3.1E-08	4.3E-08
7440-02-0	Nickel Soluble Salts	8.71	8.71	8.71			3.1E-12	3.1E-12	3.7E-04		3.4E-06	3.8E-04
7440-22-4	Silver	0.0485	0.0485	0.0485					8.3E-06			8.3E-06
7440-62-2	Vanadium and Compounds	12.5	12.5	12.5					2.1E-03		4.8E-07	2.1E-03
7440-66-6	Zinc and Compounds	93	93	93					2.7E-04			2.7E-04

Cumulative:

3.8E-07

2.4E-02

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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
67-64-1	Acetone	0.0682	0.0682	0.0682					4.2E-07			4.2E-07
7440-36-0	Antimony (metallic)	0.243	0.243	0.243					3.3E-03		4.7E-10	3.3E-03
7440-38-2	Arsenic, Inorganic	1.14	1.14	1.14	6.3E-07	8.9E-08	1.1E-12	7.2E-07	1.2E-02	1.5E-03	4.4E-08	1.4E-02
7440-39-3	Barium	36.2	36.2	36.2					9.9E-04		4.2E-08	9.9E-04
7440-41-7	Beryllium and compounds	0.2	0.2	0.2			1.0E-13	1.0E-13	5.5E-04		5.8E-09	5.5E-04
7440-43-9	Cadmium (Diet)	0.187	0.187	0.187			7.2E-14	7.2E-14	1.0E-02	9.7E-04	1.1E-08	1.1E-02
16065-83-1	Chromium(III), Insoluble Salts	6.52	6.52	6.52					2.4E-05			2.4E-05
7440-48-4	Cobalt	3.11	3.11	3.11			6.0E-12	6.0E-12	5.7E-02		3.0E-07	5.7E-02
7440-50-8	Copper	28.8	28.8	28.8					3.9E-03			3.9E-03
7439-92-1	-Lead and Compounds	41	41	41					<SL**	<SL**	<SL**	
7439-96-5	Manganese (Non-diet)	157	157	157					3.6E-02		1.8E-06	3.6E-02
7439-97-6	-Mercury (elemental)	0.0263	0.0263	0.0263							1.2E-04	1.2E-04
78-93-3	Methyl Ethyl Ketone (2-Butanone)	0.00872	0.00872	0.00872					8.0E-08		4.6E-09	8.4E-08
7440-02-0	Nickel Soluble Salts	8.71	8.71	8.71			4.9E-13	4.9E-13	2.4E-03		5.0E-07	2.4E-03
7440-22-4	Silver	0.0485	0.0485	0.0485					5.3E-05			5.3E-05
7440-62-2	Vanadium and Compounds	12.5	12.5	12.5					1.4E-02		7.2E-08	1.4E-02
7440-66-6	Zinc and Compounds	93	93	93					1.7E-03			1.7E-03

Cumulative:

7.2E-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 Durham Park
Site Address:	2500 East Main Street, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000821
Exposure Unit ID:	SED-3 Risk Assessment
Submittal Date:	9/18/2025
Prepared By:	Madison Allen
Reviewed By:	Jerry Paul

Exposure Point Concentrations

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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 <i>For the chemicals highlighted in blue, data entry notes are provided in the PSRG Table link on the Main Menu</i>	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
0.017	J	67-64-1	Acetone			mg/kg	SED-3									
0.453	J	7440-38-2	Arsenic, Inorganic			mg/kg	SED-3									
14.6		7440-39-3	Barium			mg/kg	SED-3									
0.137	J	7440-41-7	Beryllium and compounds			mg/kg	SED-3									
0.0424	J	7440-43-9	Cadmium (Diet)			mg/kg	SED-3									
2.88		16065-83-1	Chromium(III), Insoluble Salts			mg/kg	SED-3									
1.14		7440-48-4	Cobalt			mg/kg	SED-3									
6.24		7440-50-8	Copper			mg/kg	SED-3									
11		7439-92-1	-Lead and Compounds			mg/kg	SED-3									
52.8		7439-96-5	Manganese (Non-diet)			mg/kg	SED-3									
3.04		7440-02-0	Nickel Soluble Salts			mg/kg	SED-3									
0.498	J	206-44-0	-Fluoranthene			mg/kg	SED-3									
0.411	J	129-00-0	-Pyrene			mg/kg	SED-3									
0.0193	J	7440-22-4	Silver			mg/kg	SED-3									
5.34		7440-62-2	Vanadium and Compounds			mg/kg	SED-3									
28.7		7440-66-6	Zinc and Compounds			mg/kg	SED-3									

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: SED-3 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	6.7E-07	1.2E-01	NO
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	1.5E-07	7.9E-03	NO
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	2.9E-07	5.0E-02	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.

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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	0.017	0.017	0.017					2.4E-07			2.4E-07
7440-38-2	Arsenic, Inorganic	0.453	0.453	0.453	5.9E-07	8.2E-08	1.2E-11	6.7E-07	1.2E-02	1.4E-03	4.9E-07	1.3E-02
7440-39-3	Barium	14.6	14.6	14.6					9.3E-04		4.7E-07	9.3E-04
7440-41-7	Beryllium and compounds	0.137	0.137	0.137			2.0E-12	2.0E-12	8.8E-04		1.1E-07	8.8E-04
7440-43-9	Cadmium (Diet)	0.0424	0.0424	0.0424			4.6E-13	4.6E-13	5.4E-03	5.1E-04	6.9E-08	5.9E-03
16065-83-1	Chromium(III), Insoluble Salts	2.88	2.88	2.88					2.5E-05			2.5E-05
7440-48-4	Cobalt	1.14	1.14	1.14			6.2E-11	6.2E-11	4.9E-02		3.1E-06	4.9E-02
7440-50-8	Copper	6.24	6.24	6.24					2.0E-03			2.0E-03
7439-92-1	-Lead and Compounds	11	11	11					<SL**	<SL**	<SL**	
7439-96-5	Manganese (Non-diet)	52.8	52.8	52.8					2.8E-02		1.7E-05	2.8E-02
7440-02-0	Nickel Soluble Salts	3.04	3.04	3.04			4.7E-12	4.7E-12	1.9E-03		4.9E-06	1.9E-03
206-44-0	-Fluoranthene	0.498	0.498	0.498					1.6E-04	4.9E-05		2.1E-04
129-00-0	-Pyrene	0.411	0.411	0.411					1.8E-04	5.4E-05		2.3E-04
7440-22-4	Silver	0.0193	0.0193	0.0193					4.9E-05			4.9E-05
7440-62-2	Vanadium and Compounds	5.34	5.34	5.34					1.4E-02		8.6E-07	1.4E-02
7440-66-6	Zinc and Compounds	28.7	28.7	28.7					1.2E-03			1.2E-03

Cumulative:

6.7E-07

1.2E-01

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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	0.017	0.017	0.017					1.6E-08			1.6E-08	
7440-38-2	Arsenic, Inorganic	0.453	0.453	0.453	1.2E-07	2.6E-08	2.7E-12	1.5E-07	7.8E-04	1.6E-04	1.2E-07	9.4E-04	
7440-39-3	Barium	14.6	14.6	14.6					6.3E-05		1.1E-07	6.3E-05	
7440-41-7	Beryllium and compounds	0.137	0.137	0.137			4.5E-13	4.5E-13	5.9E-05		2.6E-08	5.9E-05	
7440-43-9	Cadmium (Diet)	0.0424	0.0424	0.0424			1.0E-13	1.0E-13	3.6E-04	6.1E-05	1.6E-08	4.2E-04	
16065-83-1	Chromium(III), Insoluble Salts	2.88	2.88	2.88					1.6E-06			1.6E-06	
7440-48-4	Cobalt	1.14	1.14	1.14			1.4E-11	1.4E-11	3.3E-03		7.3E-07	3.3E-03	
7440-50-8	Copper	6.24	6.24	6.24					1.3E-04			1.3E-04	
7439-92-1	-Lead and Compounds	11	11	11					<SL**	<SL**	<SL**		
7439-96-5	Manganese (Non-diet)	52.8	52.8	52.8					1.9E-03		4.1E-06	1.9E-03	
7440-02-0	Nickel Soluble Salts	3.04	3.04	3.04			1.1E-12	1.1E-12	1.3E-04		1.2E-06	1.3E-04	
206-44-0	-Fluoranthene	0.498	0.498	0.498					1.1E-05	5.9E-06		1.7E-05	
129-00-0	-Pyrene	0.411	0.411	0.411					1.2E-05	6.5E-06		1.8E-05	
7440-22-4	Silver	0.0193	0.0193	0.0193					3.3E-06			3.3E-06	
7440-62-2	Vanadium and Compounds	5.34	5.34	5.34					9.1E-04		2.1E-07	9.1E-04	
7440-66-6	Zinc and Compounds	28.7	28.7	28.7					8.2E-05			8.2E-05	
Cumulative:								1.5E-07					7.9E-03

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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	0.017	0.017	0.017					1.0E-07			1.0E-07
7440-38-2	Arsenic, Inorganic	0.453	0.453	0.453	2.5E-07	3.5E-08	4.2E-13	2.9E-07	5.0E-03	5.9E-04	1.7E-08	5.6E-03
7440-39-3	Barium	14.6	14.6	14.6					4.0E-04		1.7E-08	4.0E-04
7440-41-7	Beryllium and compounds	0.137	0.137	0.137			7.0E-14	7.0E-14	3.8E-04		4.0E-09	3.8E-04
7440-43-9	Cadmium (Diet)	0.0424	0.0424	0.0424			1.6E-14	1.6E-14	2.3E-03	2.2E-04	2.4E-09	2.5E-03
16065-83-1	Chromium(III), Insoluble Salts	2.88	2.88	2.88					1.1E-05			1.1E-05
7440-48-4	Cobalt	1.14	1.14	1.14			2.2E-12	2.2E-12	2.1E-02		1.1E-07	2.1E-02
7440-50-8	Copper	6.24	6.24	6.24					8.5E-04			8.5E-04
7439-92-1	-Lead and Compounds	11	11	11					<SL**	<SL**	<SL**	
7439-96-5	Manganese (Non-diet)	52.8	52.8	52.8					1.2E-02		6.1E-07	1.2E-02
7440-02-0	Nickel Soluble Salts	3.04	3.04	3.04			1.7E-13	1.7E-13	8.3E-04		1.8E-07	8.3E-04
206-44-0	-Fluoranthene	0.498	0.498	0.498					6.8E-05	2.1E-05		8.9E-05
129-00-0	-Pyrene	0.411	0.411	0.411					7.5E-05	2.3E-05		9.8E-05
7440-22-4	Silver	0.0193	0.0193	0.0193					2.1E-05			2.1E-05
7440-62-2	Vanadium and Compounds	5.34	5.34	5.34					5.8E-03		3.1E-08	5.8E-03
7440-66-6	Zinc and Compounds	28.7	28.7	28.7					5.2E-04			5.2E-04

Cumulative:

2.9E-07

5.0E-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 Durham Park
Site Address:	2500 East Main Street, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000821
Exposure Unit ID:	SED-4 Risk Assessment
Submittal Date:	9/18/2025
Prepared By:	Madison Allen
Reviewed By:	Jerry Paul

Exposure Point Concentrations

Input Form 2A

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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 <i>For the chemicals highlighted in blue, data entry notes are provided in the PSRG Table link on the Main Menu</i>	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
0.401	J	7440-38-2	Arsenic, Inorganic			mg/kg										
11		7440-39-3	Barium			mg/kg										
0.128	J	7440-41-7	Beryllium and compounds			mg/kg										
0.0517	J	7440-43-9	Cadmium (Diet)			mg/kg										
3.18		16065-83-1	Chromium(III), Insoluble Salts			mg/kg										
1.22		7440-48-4	Cobalt			mg/kg										
11		7440-50-8	Copper			mg/kg										
14.7		7439-92-1	-Lead and Compounds			mg/kg										
84.2		7439-96-5	Manganese (Non-diet)			mg/kg										
0.0198	J	7439-97-6	-Mercury (elemental)			mg/kg										
3.2		7440-02-0	Nickel Soluble Salts			mg/kg										
0.0217	J	7440-22-4	Silver			mg/kg										
4.98		7440-62-2	Vanadium and Compounds			mg/kg										
31.7		7440-66-6	Zinc and Compounds			mg/kg										

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: SED-4 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	5.9E-07	1.4E-01	NO
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	1.3E-07	9.9E-03	NO
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	2.5E-07	5.9E-02	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.

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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
7440-38-2	Arsenic, Inorganic	0.401	0.401	0.401	5.2E-07	7.3E-08	1.0E-11	5.9E-07	1.0E-02	1.2E-03	4.3E-07	1.1E-02
7440-39-3	Barium	11	11	11					7.0E-04		3.6E-07	7.0E-04
7440-41-7	Beryllium and compounds	0.128	0.128	0.128			1.8E-12	1.8E-12	8.2E-04		1.0E-07	8.2E-04
7440-43-9	Cadmium (Diet)	0.0517	0.0517	0.0517			5.6E-13	5.6E-13	6.6E-03	6.3E-04	8.4E-08	7.2E-03
16065-83-1	Chromium(III), Insoluble Salts	3.18	3.18	3.18					2.7E-05			2.7E-05
7440-48-4	Cobalt	1.22	1.22	1.22			6.6E-11	6.6E-11	5.2E-02		3.3E-06	5.2E-02
7440-50-8	Copper	11	11	11					3.5E-03			3.5E-03
7439-92-1	-Lead and Compounds	14.7	14.7	14.7					<SL**	<SL**	<SL**	
7439-96-5	Manganese (Non-diet)	84.2	84.2	84.2					4.5E-02		2.7E-05	4.5E-02
7439-97-6	-Mercury (elemental)	0.0198	0.0198	0.0198							2.6E-03	2.6E-03
7440-02-0	Nickel Soluble Salts	3.2	3.2	3.2			5.0E-12	5.0E-12	2.0E-03		5.2E-06	2.1E-03
7440-22-4	Silver	0.0217	0.0217	0.0217					5.5E-05			5.5E-05
7440-62-2	Vanadium and Compounds	4.98	4.98	4.98					1.3E-02		8.0E-07	1.3E-02
7440-66-6	Zinc and Compounds	31.7	31.7	31.7					1.4E-03			1.4E-03

Cumulative:

5.9E-07

1.4E-01

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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
7440-38-2	Arsenic, Inorganic	0.401	0.401	0.401	1.1E-07	2.3E-08	2.4E-12	1.3E-07	6.9E-04	1.5E-04	1.0E-07	8.3E-04
7440-39-3	Barium	11	11	11					4.7E-05		8.5E-08	4.7E-05
7440-41-7	Beryllium and compounds	0.128	0.128	0.128			4.2E-13	4.2E-13	5.5E-05		2.5E-08	5.5E-05
7440-43-9	Cadmium (Diet)	0.0517	0.0517	0.0517			1.3E-13	1.3E-13	4.4E-04	7.5E-05	2.0E-08	5.2E-04
16065-83-1	Chromium(III), Insoluble Salts	3.18	3.18	3.18					1.8E-06			1.8E-06
7440-48-4	Cobalt	1.22	1.22	1.22			1.5E-11	1.5E-11	3.5E-03		7.8E-07	3.5E-03
7440-50-8	Copper	11	11	11					2.4E-04			2.4E-04
7439-92-1	-Lead and Compounds	14.7	14.7	14.7					<SL**	<SL**	<SL**	
7439-96-5	Manganese (Non-diet)	84.2	84.2	84.2					3.0E-03		6.5E-06	3.0E-03
7439-97-6	-Mercury (elemental)	0.0198	0.0198	0.0198							6.2E-04	6.2E-04
7440-02-0	Nickel Soluble Salts	3.2	3.2	3.2			1.1E-12	1.1E-12	1.4E-04		1.2E-06	1.4E-04
7440-22-4	Silver	0.0217	0.0217	0.0217					3.7E-06			3.7E-06
7440-62-2	Vanadium and Compounds	4.98	4.98	4.98					8.5E-04		1.9E-07	8.5E-04
7440-66-6	Zinc and Compounds	31.7	31.7	31.7					9.0E-05			9.0E-05

Cumulative:

1.3E-07

9.9E-03

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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
7440-38-2	Arsenic, Inorganic	0.401	0.401	0.401	2.2E-07	3.1E-08	3.7E-13	2.5E-07	4.4E-03	5.2E-04	1.5E-08	4.9E-03
7440-39-3	Barium	11	11	11					3.0E-04		1.3E-08	3.0E-04
7440-41-7	Beryllium and compounds	0.128	0.128	0.128			6.6E-14	6.6E-14	3.5E-04		3.7E-09	3.5E-04
7440-43-9	Cadmium (Diet)	0.0517	0.0517	0.0517			2.0E-14	2.0E-14	2.8E-03	2.7E-04	3.0E-09	3.1E-03
16065-83-1	Chromium(III), Insoluble Salts	3.18	3.18	3.18					1.2E-05			1.2E-05
7440-48-4	Cobalt	1.22	1.22	1.22			2.4E-12	2.4E-12	2.2E-02		1.2E-07	2.2E-02
7440-50-8	Copper	11	11	11					1.5E-03			1.5E-03
7439-92-1	-Lead and Compounds	14.7	14.7	14.7					<SL**	<SL**	<SL**	
7439-96-5	Manganese (Non-diet)	84.2	84.2	84.2					1.9E-02		9.7E-07	1.9E-02
7439-97-6	-Mercury (elemental)	0.0198	0.0198	0.0198							9.3E-05	9.3E-05
7440-02-0	Nickel Soluble Salts	3.2	3.2	3.2			1.8E-13	1.8E-13	8.8E-04		1.8E-07	8.8E-04
7440-22-4	Silver	0.0217	0.0217	0.0217					2.4E-05			2.4E-05
7440-62-2	Vanadium and Compounds	4.98	4.98	4.98					5.4E-03		2.9E-08	5.4E-03
7440-66-6	Zinc and Compounds	31.7	31.7	31.7					5.8E-04			5.8E-04

Cumulative:

2.5E-07

5.9E-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 Durham Park
Site Address:	2500 East Main Street, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000821
Exposure Unit ID:	SED-5 Risk Assessment
Submittal Date:	9/18/2025
Prepared By:	Madison Allen
Reviewed By:	Jerry Paul

Exposure Point Concentrations

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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 <i>For the chemicals highlighted in blue, data entry notes are provided in the PSRG Table link on the Main Menu</i>	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
0.23	J	7440-36-0	Antimony (metallic)			mg/kg	SED-5									
0.895	J	7440-38-2	Arsenic, Inorganic			mg/kg	SED-5									
23.3		7440-39-3	Barium			mg/kg	SED-5									
0.134	J	7440-41-7	Beryllium and compounds			mg/kg	SED-5									
0.1	J	7440-43-9	Cadmium (Diet)			mg/kg	SED-5									
5.95		16065-83-1	Chromium(III), Insoluble Salts			mg/kg	SED-5									
2.03		7440-48-4	Cobalt			mg/kg	SED-5									
36.6		7440-50-8	Copper			mg/kg	SED-5									
45.9		7439-92-1	-Lead and Compounds			mg/kg	SED-5									
97.1		7439-96-5	Manganese (Non-diet)			mg/kg	SED-5									
10.1		7440-02-0	Nickel Soluble Salts			mg/kg	SED-5									
0.0773	J	7440-22-4	Silver			mg/kg	SED-5									
7.88		7440-62-2	Vanadium and Compounds			mg/kg	SED-5									
76.9		7440-66-6	Zinc and Compounds			mg/kg	SED-5									

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: SED-5 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	1.3E-06	2.3E-01	NO
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	3.0E-07	1.6E-02	NO
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	5.7E-07	9.8E-02	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.

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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
7440-36-0	Antimony (metallic)	0.23	0.23	0.23					7.4E-03		1.2E-08	7.4E-03
7440-38-2	Arsenic, Inorganic	0.895	0.895	0.895	1.2E-06	1.6E-07	2.3E-11	1.3E-06	2.3E-02	2.7E-03	9.6E-07	2.6E-02
7440-39-3	Barium	23.3	23.3	23.3					1.5E-03		7.5E-07	1.5E-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)	0.1	0.1	0.1			1.1E-12	1.1E-12	1.3E-02	1.2E-03	1.6E-07	1.4E-02
16065-83-1	Chromium(III), Insoluble Salts	5.95	5.95	5.95					5.1E-05			5.1E-05
7440-48-4	Cobalt	2.03	2.03	2.03			1.1E-10	1.1E-10	8.7E-02		5.5E-06	8.7E-02
7440-50-8	Copper	36.6	36.6	36.6					1.2E-02			1.2E-02
7439-92-1	-Lead and Compounds	45.9	45.9	45.9					<SL**	<SL**	<SL**	
7439-96-5	Manganese (Non-diet)	97.1	97.1	97.1					5.2E-02		3.1E-05	5.2E-02
7440-02-0	Nickel Soluble Salts	10.1	10.1	10.1			1.6E-11	1.6E-11	6.5E-03		1.6E-05	6.5E-03
7440-22-4	Silver	0.0773	0.0773	0.0773					2.0E-04			2.0E-04
7440-62-2	Vanadium and Compounds	7.88	7.88	7.88					2.0E-02		1.3E-06	2.0E-02
7440-66-6	Zinc and Compounds	76.9	76.9	76.9					3.3E-03			3.3E-03

Cumulative:

1.3E-06

2.3E-01

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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
7440-36-0	Antimony (metallic)	0.23	0.23	0.23					4.9E-04			4.9E-04
7440-38-2	Arsenic, Inorganic	0.895	0.895	0.895	2.5E-07	5.2E-08	5.3E-12	3.0E-07	1.5E-03	3.2E-04	2.3E-07	1.9E-03
7440-39-3	Barium	23.3	23.3	23.3					1.0E-04			1.8E-07
7440-41-7	Beryllium and compounds	0.134	0.134	0.134			4.4E-13	4.4E-13	5.7E-05			2.6E-08
7440-43-9	Cadmium (Diet)	0.1	0.1	0.1			2.5E-13	2.5E-13	8.6E-04	1.4E-04	3.8E-08	1.0E-03
16065-83-1	Chromium(III), Insoluble Salts	5.95	5.95	5.95					3.4E-06			3.4E-06
7440-48-4	Cobalt	2.03	2.03	2.03			2.5E-11	2.5E-11	5.8E-03		1.3E-06	5.8E-03
7440-50-8	Copper	36.6	36.6	36.6					7.8E-04			7.8E-04
7439-92-1	-Lead and Compounds	45.9	45.9	45.9					<SL**	<SL**	<SL**	
7439-96-5	Manganese (Non-diet)	97.1	97.1	97.1					3.5E-03		7.5E-06	3.5E-03
7440-02-0	Nickel Soluble Salts	10.1	10.1	10.1			3.6E-12	3.6E-12	4.3E-04		3.9E-06	4.4E-04
7440-22-4	Silver	0.0773	0.0773	0.0773					1.3E-05			1.3E-05
7440-62-2	Vanadium and Compounds	7.88	7.88	7.88					1.3E-03		3.0E-07	1.3E-03
7440-66-6	Zinc and Compounds	76.9	76.9	76.9					2.2E-04			2.2E-04

Cumulative:

3.0E-07

1.6E-02

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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
7440-36-0	Antimony (metallic)	0.23	0.23	0.23					3.2E-03			3.2E-03
7440-38-2	Arsenic, Inorganic	0.895	0.895	0.895	5.0E-07	7.0E-08	8.3E-13	5.7E-07	9.8E-03	1.2E-03	3.4E-08	1.1E-02
7440-39-3	Barium	23.3	23.3	23.3					6.4E-04		2.7E-08	6.4E-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)	0.1	0.1	0.1			3.9E-14	3.9E-14	5.5E-03	5.2E-04	5.8E-09	6.0E-03
16065-83-1	Chromium(III), Insoluble Salts	5.95	5.95	5.95					2.2E-05			2.2E-05
7440-48-4	Cobalt	2.03	2.03	2.03			3.9E-12	3.9E-12	3.7E-02		2.0E-07	3.7E-02
7440-50-8	Copper	36.6	36.6	36.6					5.0E-03			5.0E-03
7439-92-1	-Lead and Compounds	45.9	45.9	45.9					<SL**	<SL**	<SL**	
7439-96-5	Manganese (Non-diet)	97.1	97.1	97.1					2.2E-02		1.1E-06	2.2E-02
7440-02-0	Nickel Soluble Salts	10.1	10.1	10.1			5.6E-13	5.6E-13	2.8E-03		5.8E-07	2.8E-03
7440-22-4	Silver	0.0773	0.0773	0.0773					8.5E-05			8.5E-05
7440-62-2	Vanadium and Compounds	7.88	7.88	7.88					8.6E-03		4.5E-08	8.6E-03
7440-66-6	Zinc and Compounds	76.9	76.9	76.9					1.4E-03			1.4E-03

Cumulative:

5.7E-07

9.8E-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 Durham Park
Site Address:	2500 East Main Street, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000821
Exposure Unit ID:	SED-6 Risk Assessment
Submittal Date:	9/18/2025
Prepared By:	Madison Allen
Reviewed By:	Jerry Paul

Exposure Point Concentrations

Input Form 2A

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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 <i>For the chemicals highlighted in blue, data entry notes are provided in the PSRG Table link on the Main Menu</i>	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
0.075	J	67-64-1	Acetone			mg/kg	SED-DUP									
0.217	J	7440-36-0	Antimony (metallic)			mg/kg	SED-DUP									
1.14	J	7440-38-2	Arsenic, Inorganic			mg/kg	SED-DUP									
34.6		7440-39-3	Barium			mg/kg	SED-DUP									
0.176	J	7440-41-7	Beryllium and compounds			mg/kg	SED-6									
0.159	J	7440-43-9	Cadmium (Diet)			mg/kg	SED-6									
7.22		16065-83-1	Chromium(III), Insoluble Salts			mg/kg	SED-6									
2.77		7440-48-4	Cobalt			mg/kg	SED-DUP									
113		7440-50-8	Copper			mg/kg	SED-6									
44		7439-92-1	--Lead and Compounds			mg/kg	SED-DUP									
149		7439-96-5	Manganese (Non-diet)			mg/kg	SED-6									
0.0255	J	7439-97-6	--Mercury (elemental)			mg/kg	SED-DUP									
13.6		7440-02-0	Nickel Soluble Salts			mg/kg	SED-6									
0.0948	J	7440-22-4	Silver			mg/kg	SED-6									
11.6		7440-62-2	Vanadium and Compounds			mg/kg	SED-DUP									
69.7		7440-66-6	Zinc and Compounds			mg/kg	SED-DUP									

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: SED-6 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	1.7E-06	3.4E-01	NO
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	3.8E-07	2.4E-02	NO
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	7.2E-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.

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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	0.075	0.075	0.075					1.1E-06			1.1E-06
7440-36-0	Antimony (metallic)	0.217	0.217	0.217					6.9E-03		1.2E-08	6.9E-03
7440-38-2	Arsenic, Inorganic	1.14	1.14	1.14	1.5E-06	2.1E-07	2.9E-11	1.7E-06	2.9E-02	3.5E-03	1.2E-06	3.3E-02
7440-39-3	Barium	34.6	34.6	34.6					2.2E-03		1.1E-06	2.2E-03
7440-41-7	Beryllium and compounds	0.176	0.176	0.176			2.5E-12	2.5E-12	1.1E-03		1.4E-07	1.1E-03
7440-43-9	Cadmium (Diet)	0.159	0.159	0.159			1.7E-12	1.7E-12	2.0E-02	1.9E-03	2.6E-07	2.2E-02
16065-83-1	Chromium(III), Insoluble Salts	7.22	7.22	7.22					6.2E-05			6.2E-05
7440-48-4	Cobalt	2.77	2.77	2.77			1.5E-10	1.5E-10	1.2E-01		7.5E-06	1.2E-01
7440-50-8	Copper	113	113	113					3.6E-02			3.6E-02
7439-92-1	-Lead and Compounds	44	44	44					<SL**	<SL**	<SL**	
7439-96-5	Manganese (Non-diet)	149	149	149					7.9E-02		4.8E-05	7.9E-02
7439-97-6	-Mercury (elemental)	0.0255	0.0255	0.0255							3.4E-03	3.4E-03
7440-02-0	Nickel Soluble Salts	13.6	13.6	13.6			2.1E-11	2.1E-11	8.7E-03		2.2E-05	8.7E-03
7440-22-4	Silver	0.0948	0.0948	0.0948					2.4E-04			2.4E-04
7440-62-2	Vanadium and Compounds	11.6	11.6	11.6					2.9E-02		1.9E-06	2.9E-02
7440-66-6	Zinc and Compounds	69.7	69.7	69.7					3.0E-03			3.0E-03

Cumulative:

1.7E-06

3.4E-01

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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	0.075	0.075	0.075					7.1E-08			7.1E-08	
7440-36-0	Antimony (metallic)	0.217	0.217	0.217					4.6E-04		2.8E-09	4.6E-04	
7440-38-2	Arsenic, Inorganic	1.14	1.14	1.14	3.1E-07	6.6E-08	6.7E-12	3.8E-07	2.0E-03	4.1E-04	2.9E-07	2.4E-03	
7440-39-3	Barium	34.6	34.6	34.6					1.5E-04		2.7E-07	1.5E-04	
7440-41-7	Beryllium and compounds	0.176	0.176	0.176			5.8E-13	5.8E-13	7.5E-05		3.4E-08	7.5E-05	
7440-43-9	Cadmium (Diet)	0.159	0.159	0.159			3.9E-13	3.9E-13	1.4E-03	2.3E-04	6.1E-08	1.6E-03	
16065-83-1	Chromium(III), Insoluble Salts	7.22	7.22	7.22					4.1E-06			4.1E-06	
7440-48-4	Cobalt	2.77	2.77	2.77			3.4E-11	3.4E-11	7.9E-03		1.8E-06	7.9E-03	
7440-50-8	Copper	113	113	113					2.4E-03			2.4E-03	
7439-92-1	-Lead and Compounds	44	44	44					<SL**	<SL**	<SL**		
7439-96-5	Manganese (Non-diet)	149	149	149					5.3E-03		1.1E-05	5.3E-03	
7439-97-6	-Mercury (elemental)	0.0255	0.0255	0.0255							8.0E-04	8.0E-04	
7440-02-0	Nickel Soluble Salts	13.6	13.6	13.6			4.9E-12	4.9E-12	5.8E-04		5.2E-06	5.9E-04	
7440-22-4	Silver	0.0948	0.0948	0.0948					1.6E-05			1.6E-05	
7440-62-2	Vanadium and Compounds	11.6	11.6	11.6					2.0E-03		4.5E-07	2.0E-03	
7440-66-6	Zinc and Compounds	69.7	69.7	69.7					2.0E-04			2.0E-04	
Cumulative:								3.8E-07					2.4E-02

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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	0.075	0.075	0.075					4.6E-07			4.6E-07
7440-36-0	Antimony (metallic)	0.217	0.217	0.217					3.0E-03		4.2E-10	3.0E-03
7440-38-2	Arsenic, Inorganic	1.14	1.14	1.14	6.3E-07	8.9E-08	1.1E-12	7.2E-07	1.2E-02	1.5E-03	4.4E-08	1.4E-02
7440-39-3	Barium	34.6	34.6	34.6					9.5E-04		4.0E-08	9.5E-04
7440-41-7	Beryllium and compounds	0.176	0.176	0.176			9.1E-14	9.1E-14	4.8E-04		5.1E-09	4.8E-04
7440-43-9	Cadmium (Diet)	0.159	0.159	0.159			6.1E-14	6.1E-14	8.7E-03	8.3E-04	9.2E-09	9.5E-03
16065-83-1	Chromium(III), Insoluble Salts	7.22	7.22	7.22					2.6E-05			2.6E-05
7440-48-4	Cobalt	2.77	2.77	2.77			5.3E-12	5.3E-12	5.1E-02		2.7E-07	5.1E-02
7440-50-8	Copper	113	113	113					1.5E-02			1.5E-02
7439-92-1	-Lead and Compounds	44	44	44					<SL**	<SL**	<SL**	
7439-96-5	Manganese (Non-diet)	149	149	149					3.4E-02		1.7E-06	3.4E-02
7439-97-6	-Mercury (elemental)	0.0255	0.0255	0.0255							1.2E-04	1.2E-04
7440-02-0	Nickel Soluble Salts	13.6	13.6	13.6			7.6E-13	7.6E-13	3.7E-03		7.9E-07	3.7E-03
7440-22-4	Silver	0.0948	0.0948	0.0948					1.0E-04			1.0E-04
7440-62-2	Vanadium and Compounds	11.6	11.6	11.6					1.3E-02		6.7E-08	1.3E-02
7440-66-6	Zinc and Compounds	69.7	69.7	69.7					1.3E-03			1.3E-03

Cumulative:

7.2E-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 Durham Park
Site Address:	2500 East Main Street, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000821
Exposure Unit ID:	SED-7 Risk Assessment
Submittal Date:	9/18/2025
Prepared By:	Madison Allen
Reviewed By:	Jerry Paul

Exposure Point Concentrations

Input Form 2A

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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 <i>For the chemicals highlighted in blue, data entry notes are provided in the PSRG Table link on the Main Menu</i>	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
0.0798	J	67-64-1	Acetone			mg/kg										
	J	7440-36-0	Antimony (metallic)			mg/kg										
0.474	J	7440-38-2	Arsenic, Inorganic			mg/kg										
12.7		7440-39-3	Barium			mg/kg										
0.113	J	7440-41-7	Beryllium and compounds			mg/kg										
0.0736	J	7440-43-9	Cadmium (Diet)			mg/kg										
3.95		16065-83-1	Chromium(III), Insoluble Salts			mg/kg										
1.51		7440-48-4	Cobalt			mg/kg										
7.91		7440-50-8	Copper			mg/kg										
19.1		7439-92-1	-Lead and Compounds			mg/kg										
39.7		7439-96-5	Manganese (Non-diet)			mg/kg										
	J	7439-97-6	-Mercury (elemental)			mg/kg										
4.97		7440-02-0	Nickel Soluble Salts			mg/kg										
0.0258	J	7440-22-4	Silver			mg/kg										
5.68		7440-62-2	Vanadium and Compounds			mg/kg										
34.5		7440-66-6	Zinc and Compounds			mg/kg										

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: SED-7 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	7.0E-07	1.3E-01	NO
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	1.6E-07	9.0E-03	NO
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	3.0E-07	5.7E-02	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.

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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	0.0798	0.0798	0.0798					1.1E-06			1.1E-06
7440-38-2	Arsenic, Inorganic	0.474	0.474	0.474	6.1E-07	8.6E-08	1.2E-11	7.0E-07	1.2E-02	1.4E-03	5.1E-07	1.4E-02
7440-39-3	Barium	12.7	12.7	12.7					8.1E-04		4.1E-07	8.1E-04
7440-41-7	Beryllium and compounds	0.113	0.113	0.113			1.6E-12	1.6E-12	7.2E-04		9.1E-08	7.2E-04
7440-43-9	Cadmium (Diet)	0.0736	0.0736	0.0736			8.0E-13	8.0E-13	9.4E-03	8.9E-04	1.2E-07	1.0E-02
16065-83-1	Chromium(III), Insoluble Salts	3.95	3.95	3.95					3.4E-05			3.4E-05
7440-48-4	Cobalt	1.51	1.51	1.51			8.2E-11	8.2E-11	6.4E-02		4.1E-06	6.4E-02
7440-50-8	Copper	7.91	7.91	7.91					2.5E-03			2.5E-03
7439-92-1	-Lead and Compounds	19.1	19.1	19.1					<SL**	<SL**	<SL**	
7439-96-5	Manganese (Non-diet)	39.7	39.7	39.7					2.1E-02		1.3E-05	2.1E-02
7440-02-0	Nickel Soluble Salts	4.97	4.97	4.97			7.8E-12	7.8E-12	3.2E-03		8.0E-06	3.2E-03
7440-22-4	Silver	0.0258	0.0258	0.0258					6.6E-05			6.6E-05
7440-62-2	Vanadium and Compounds	5.68	5.68	5.68					1.4E-02		9.2E-07	1.4E-02
7440-66-6	Zinc and Compounds	34.5	34.5	34.5					1.5E-03			1.5E-03

Cumulative:

7.0E-07

1.3E-01

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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	0.0798	0.0798	0.0798					7.6E-08			7.6E-08
7440-38-2	Arsenic, Inorganic	0.474	0.474	0.474	1.3E-07	2.8E-08	2.8E-12	1.6E-07	8.1E-04	1.7E-04	1.2E-07	9.8E-04
7440-39-3	Barium	12.7	12.7	12.7					5.4E-05		9.8E-08	5.4E-05
7440-41-7	Beryllium and compounds	0.113	0.113	0.113			3.7E-13	3.7E-13	4.8E-05		2.2E-08	4.8E-05
7440-43-9	Cadmium (Diet)	0.0736	0.0736	0.0736			1.8E-13	1.8E-13	6.3E-04	1.1E-04	2.8E-08	7.4E-04
16065-83-1	Chromium(III), Insoluble Salts	3.95	3.95	3.95					2.3E-06			2.3E-06
7440-48-4	Cobalt	1.51	1.51	1.51			1.9E-11	1.9E-11	4.3E-03		9.7E-07	4.3E-03
7440-50-8	Copper	7.91	7.91	7.91					1.7E-04			1.7E-04
7439-92-1	-Lead and Compounds	19.1	19.1	19.1					<SL**	<SL**	<SL**	
7439-96-5	Manganese (Non-diet)	39.7	39.7	39.7					1.4E-03		3.1E-06	1.4E-03
7440-02-0	Nickel Soluble Salts	4.97	4.97	4.97			1.8E-12	1.8E-12	2.1E-04		1.9E-06	2.1E-04
7440-22-4	Silver	0.0258	0.0258	0.0258					4.4E-06			4.4E-06
7440-62-2	Vanadium and Compounds	5.68	5.68	5.68					9.6E-04		2.2E-07	9.7E-04
7440-66-6	Zinc and Compounds	34.5	34.5	34.5					9.8E-05			9.8E-05

Cumulative:

1.6E-07

9.0E-03

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

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	0.0798	0.0798	0.0798					4.9E-07			4.9E-07
7440-38-2	Arsenic, Inorganic	0.474	0.474	0.474	2.6E-07	3.7E-08	4.4E-13	3.0E-07	5.2E-03	6.2E-04	1.8E-08	5.8E-03
7440-39-3	Barium	12.7	12.7	12.7					3.5E-04		1.5E-08	3.5E-04
7440-41-7	Beryllium and compounds	0.113	0.113	0.113			5.8E-14	5.8E-14	3.1E-04		3.3E-09	3.1E-04
7440-43-9	Cadmium (Diet)	0.0736	0.0736	0.0736			2.8E-14	2.8E-14	4.0E-03	3.8E-04	4.2E-09	4.4E-03
16065-83-1	Chromium(III), Insoluble Salts	3.95	3.95	3.95					1.4E-05			1.4E-05
7440-48-4	Cobalt	1.51	1.51	1.51			2.9E-12	2.9E-12	2.8E-02		1.5E-07	2.8E-02
7440-50-8	Copper	7.91	7.91	7.91					1.1E-03			1.1E-03
7439-92-1	-Lead and Compounds	19.1	19.1	19.1					<SL**	<SL**	<SL**	
7439-96-5	Manganese (Non-diet)	39.7	39.7	39.7					9.1E-03		4.6E-07	9.1E-03
7440-02-0	Nickel Soluble Salts	4.97	4.97	4.97			2.8E-13	2.8E-13	1.4E-03		2.9E-07	1.4E-03
7440-22-4	Silver	0.0258	0.0258	0.0258					2.8E-05			2.8E-05
7440-62-2	Vanadium and Compounds	5.68	5.68	5.68					6.2E-03		3.3E-08	6.2E-03
7440-66-6	Zinc and Compounds	34.5	34.5	34.5					6.3E-04			6.3E-04

Cumulative:

3.0E-07

5.7E-02