Remedial Investigation Report
City of Durham Parks – East End Park, NONCD0000823
1200 N. Alston Avenue, Durham, North Carolina
Task Order RI-9A
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

April 6, 2026

April 6, 2026

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

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

Reference: **Remedial Investigation-Soil Gas, Groundwater & Surface Water/Sediment Report**
East End Park – 1200 N. Alston Avenue
Durham, Durham County, North Carolina
NCDEQ ID No. NONCD0000823
NCDEQ Task Orders 823RI-9A
S&ME Project No. 23050630BK

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. 23050630BK, dated September 30, 2025, for Task Order 823RI-9A under the terms of Contract Number N42621-B, dated January 4, 2022, between NCDEQ and S&ME.

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

Sincerely,

S&ME, Inc.

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

Gerald Paul
Senior Project Manager
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Senior Reviewed by: Thomas P. Raymond, P.E. - Senior Engineer

Attachment: Remedial Investigation Report

Table of Contents

1.0 Summary of Current Investigation 1

2.0 Landfill Gas Assessment 1

2.1 Soil Gas Probe Field Screening Methods 1

2.2 Landfill Gas Screening Results 2

2.2.1 Volatile Organic Compounds 2

2.2.2 Methane 2

2.2.3 Hydrogen Sulfide 2

2.3 Landfill Gas Sampling 2

2.3.1 Shut-in Testing 2

2.3.2 Helium Leak Testing 2

2.3.3 Purging and Sampling 3

2.4 Landfill Gas Sample Results 3

3.0 Groundwater Assessment 4

3.1 Monitor Well Purging and Sampling 4

3.2 Monitor Well Sample Results 4

4.0 Surface Water and Sediment Sampling 4

4.1.1 Surface Water Sampling Results 5

4.1.2 Sediment Sampling Results 5

5.0 NCDEQ Risk Calculator 5

5.1 Landfill Gas Samples 6

5.2 Surface Water Samples 6

5.3 Sediment Samples 6

6.0 Quality Control 6

6.1 Quality Control Samples 6

7.0 Work Plan Deviation 7

8.0 Sole Use Statement 7

9.0 Certification Acknowledgement 8

Table of Contents

List of Tables

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

List of Figures

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

Appendices

Appendix I – Coordinates of Selected Features
Appendix II – S&ME Field Notes
Appendix III – Laboratory Analytical Reports and COC
Appendix IV – NCDEQ Risk Calculator Package

1.0 Summary of Current Investigation

S&ME completed the following Scope of Services listed below for this investigation in general conformance with S&ME Proposal No. 23050630BK, dated September 30, 2025, for Task Orders 823RI-9A under the terms of Contract Number N42621-B, dated January 4, 2022, between NCDEQ and S&ME.

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

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

2.0 Landfill Gas Assessment

2.1 Soil Gas Probe Field Screening Methods

The landfill gas probe (LFGP) and landfill gas implant (LFGI) construction details are presented in **Table 1** and the location of the LFGP's are shown in **Figure 1**. The Coordinates of Selected Features are included in **Appendix I.** On November 4, 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 volatile organic compounds (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 II**.

2.2 Landfill Gas Screening Results

2.2.1 Volatile Organic Compounds

VOCs were not detected in any of the LFGPs nor any of the background screening locations.

2.2.2 Methane

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

2.2.3 Hydrogen Sulfide

Hydrogen Sulfide was not detected in any of the LFGPs nor any of the background screening locations.

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

2.3 Landfill Gas Sampling

On November 12, 2025, through November 13, 2025, S&ME personnel used batch-certified sampling canisters to collect samples (including duplicate samples) from ten landfill gas probes and implants for laboratory analysis of VOCs by EPA Method TO-15, Methane by ASTM Method D1946, and Hydrogen sulfide by ASTM Method D5504-12.

2.3.1 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 gauge). 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.

2.3.2 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 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.

2.3.3 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 for VOC analysis by EPA Method TO-15. Samples were then collected for Mercury analysis by NIOSH 6009 utilizing sorbent tubes and personal pumps. Finally, samples were collected with a pump into Tedlar® bags for Hydrogen Sulfide analysis by ASTM Method D5504.

After collecting the gas samples, the SILO canisters were shipped under standard chain-of-custody protocol to Eurofins Air Toxics for VOC analysis by EPA Method TO-15 and Methane by ASTM Method D1946. The sorbent tubes and Tedlar® bags were shipped under standard chain-of-custody protocol to EMSL for Mercury analysis by NIOSH 6009 and Hydrogen Sulfide analysis by ASTM Method D5504, respectively. The laboratory reports and chain of custodies are in **Appendix III.**

2.4 Landfill Gas Sample Results

Due to gas composition and laboratory instrument limitations, the landfill gas sample from LFGP-5 was diluted by the laboratory. Sample dilutions result in higher laboratory detection limits. Therefore, compounds may be present at concentrations below the elevated detection limit and could be considered unacceptable risk based on the NCDEQ Risk Calculator. For this assessment, only compounds detected above the laboratory detection limits were entered into the NCDEQ Risk Calculator. As a result, additional sampling may be necessary to further evaluate potential risk from landfill gas at the site.

The laboratory reported detections of multiple VOCs and other analytes in the landfill gas samples. The NCDEQ Risk Calculator was used to assess the risk of the soil gas to the indoor air pathway. The Residential Receptor Risk was exceeded at one sample location. The Non-Carcinogenic Hazard Quotient for the Residential Receptor was exceeded at LFGP-5. Methane exceedance of the LEL (5%) was detected in the sample from LFGP-5, as well as a detection of Hydrogen Sulfide. No Methane exceedances of the LEL nor Hydrogen Sulfide detections were detected at any other sample locations. Mercury was not detected at any sample location. See **Section 5.0** for the Risk Calculator details.

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

3.0 Groundwater Assessment

3.1 Monitor Well Purging and Sampling

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**.

On October 13 and October 14, 2025, the depth to groundwater was measured in each well with an electronic water level meter. A licensed surveyor located and measured horizontal coordinates and vertical elevations for the monitor wells under Task Order 821DP-6. The approximate depth of groundwater and elevations at each monitor well are displayed on **Table 4** and are represented on **Figure 5**. Groundwater generally flows northeast towards the surface water feature in the center of the site. The surface water flows to the north.

Before sample collection, the monitor wells were purged using a monsoon pump or peristaltic pump, and field parameter data (pH, temperature, conductivity, and turbidity) was recorded (**Table 5**). Groundwater sampling field forms are included with the field documents in **Appendix II**. Once three well volumes were purged, groundwater samples were collected, placed on ice, and sent under the chain-of-custody protocol to Eurofins Environment Testing America (Eurofins) in Savannah, Georgia, for analysis. Analysis includes 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 by EPA Method 353.2-1993 R2.0, sulfate by EPA Method 9056A, and ammonia by EPA Method 350.1.

3.2 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.

Manganese was detected in groundwater samples at concentrations exceeding the North Carolina 2L Groundwater Standard of 50 micrograms per liter (µg/L). The location of monitor well MW-8 is in an offsite up gradient location from the landfill and has a detection of manganese. These manganese levels may be attributed to the natural weathering of manganese-bearing minerals within the local geology rather than a site-related release. Under 15A NCAC 02L .0202(b)(3), where naturally occurring substances exceed the established standard, the local background concentration is considered the applicable standard.

4.0 Surface Water and Sediment Sampling

On October 14, 2025, S&ME collected surface water and stream sediment samples for laboratory analysis from nine locations. Surface water sample locations are identified as SW-1 through SW-9 with laboratory presented data on **Table 7.** Stream sediment sample locations are identified as SED-1 through SED-9 with

laboratory data summarized on **Table 8**. Surface water and stream sediment locations SED/SW-1 through SED/SW-9 are shown on **Figure 6** and **Figure 7**.

Surface water and stream sediment samples were collected, placed in a cooler with ice, and delivered under chain-of-custody protocol to Eurofins Environmental Testing. Analysis includes VOCs by EPA Method 8260D, semi-volatile organic compounds (SVOCs) by EPA Method 8270E SIM, metals by EPA Method 6020B, mercury by EPA Method 7471B, nitrate and sulfate by EPA Method 9056A, nitrite by EPA Method 353.2, and ammonia by EPA Method 350.1.

4.1.1 Surface Water Sampling Results

Table 7 summarizes the surface water sample analytical results from locations SW-1 through SW-9. Exceedances of the 15A NCAC 02B (2B Standards) surface water quality standards are shown on **Figure 6**. Several other detections were reported, however 2B Standards are not established for those constituents.

The NCDEQ Risk Calculator was used to assess the risk for direct contact of surface water. See **Section 5.0** for the Risk Calculator details. The carcinogenic risk for surface water was not exceeded at any of the sample locations for the recreator/trespasser receptor. The non-carcinogenic hazard index was exceeded at one of the sample locations (SW-1) for the recreator/trespasser receptor. Surface water sample location SW-1 is located in the upstream location from the landfill.

4.1.2 Sediment Sampling Results

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

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

5.0 NCDEQ Risk Calculator

S&ME used the January 2025 version 2 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. One sample, LFGP-5, exceeded the Non-Carcinogenic Hazard Quotient for Vapor Intrusion Resident Receptor Soil Gas to Indoor Air Risk. None of the sample locations exceeded the Non-Residential Worker Receptor for landfill gas from the concentrations reported by the laboratory.

5.2 Surface Water Samples

The NCDEQ Risk Calculator was run for each individual surface water sample location. One sample, SW-1, exceeded risk for the Recreator/Trespasser Receptor. Surface water sample location SW-1 is located upstream from the landfill.

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 IV contains the NCDEQ Risk Calculator Inputs and Outputs.

6.0 Quality Control

6.1 Quality Control Samples

Quality control samples were collected and analyzed as follows:

Soil Gas Duplicates

- One soil gas duplicate sample, called 823-LFGP-DUP-01, was collected on November 13, 2025, from LFGP-2. Analytical results of the duplicate samples were within an acceptable relative difference with the record samples.

Groundwater Duplicates

- One groundwater duplicate sample, called 101325-Dup 1, was collected on October 13, 2025, from MW-1. Another duplicate, called 101425-Dup 1, was collected from MW-7 on October 14, 2025.

Analytical results of the duplicate samples were within an acceptable relative difference with the record samples.

Surface Water/Sediment Duplicates

- One duplicate sample was collected for the day of sampling for both surface water and sediment. Duplicates were taken at SW-1/SED-1. Duplicates were collected separately as 101425-DUP-SW and 101425-Dup-SED. Analytical results of both duplicate samples were not within an acceptable relative difference with the record samples. Due to the natural variability of dynamic, flowing surface water, it is not unexpected for the surface water duplicate sample to have differing results from the record sample. Non-uniformity of the sediment under the flowing water could lead to the differing results from the duplicate sediment sample and the record sample.

Trip Blank

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

The laboratory conducted USEPA quality assurance and quality control procedures and reporting as required for laboratory analysis according to USEPA Level II Protocols for groundwater and sediment. Laboratory quality assurance and control procedures for soil gas analysis were also conducted for the soil gas samples. Reported laboratory analytical data met data quality objectives.

7.0 Work Plan Deviation

No work plan deviations were encountered during sampling events.

8.0 Sole Use Statement

This report is solely intended for use by NCDEQ for the services that were performed in accordance with S&ME Proposal No. 23050630BK, dated September 30, 2025, for Task Orders 821RI-9A under the terms of Contract Number N42621-B, dated January 4, 2022, between NCDEQ and S&ME.

9.0 Certification Acknowledgement

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

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

Signature of Environmental Consultant

April 6, 2026
Date

I, Wilma Craft a Notary Public of said County and State, do hereby certify that Gerald Paul did personally appear and sign before me this day, produced proper identification in the form of North Carolina Driver's License, was duly sworn or affirmed, and declared that, he or she is the duly authorized environmental consultant referenced above and that, to the best of his or her knowledge and belief, after thorough investigation, the information contained in the above certification is true and accurate, and he or she then signed this Certification in my presence.

WITNESS my hand and official seal this 6th day of April, 2026.

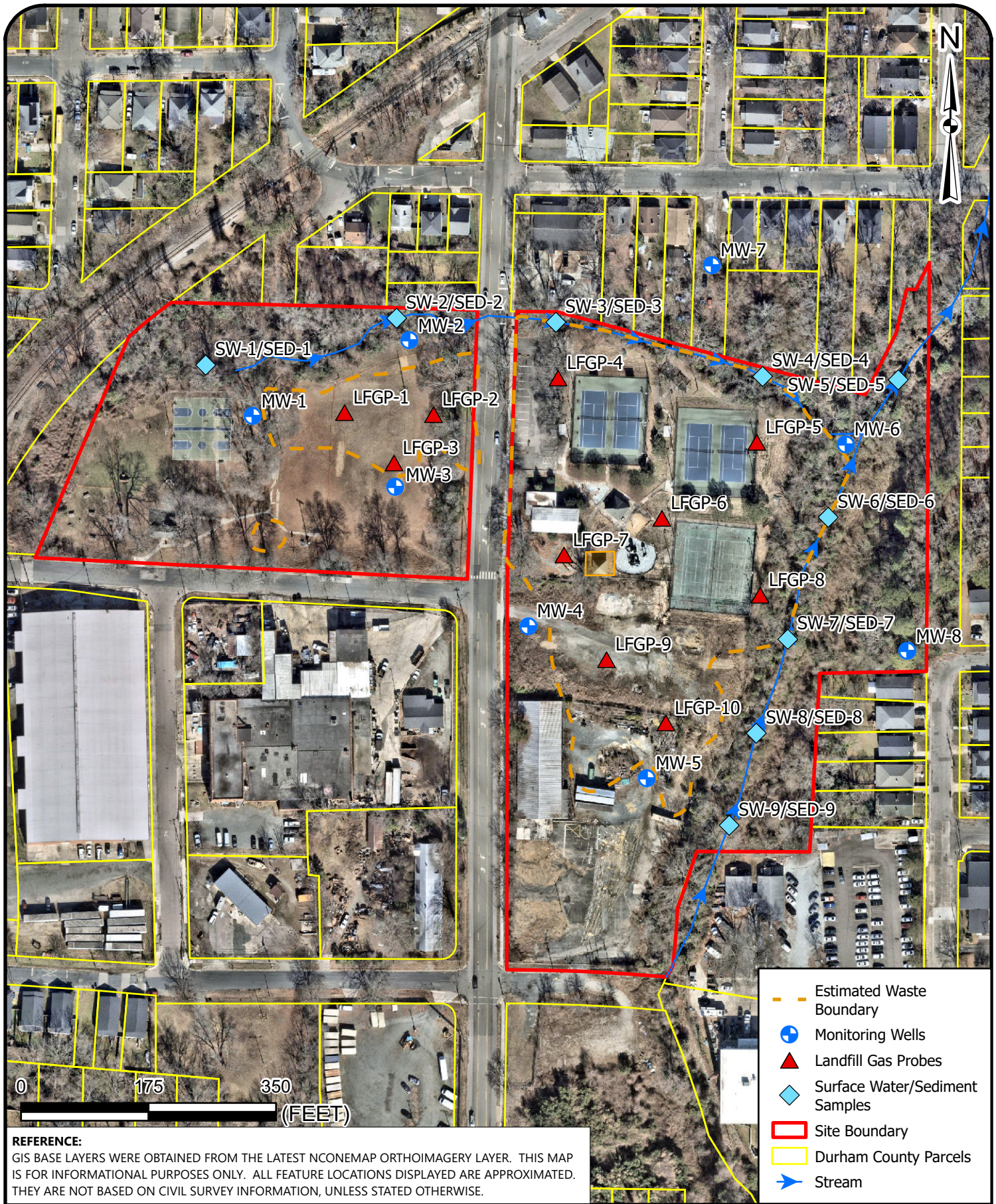
(OFFICIAL SEAL)

Wilma Craft
Notary Public (signature)

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

My commission expires: March 12 2028

Figures



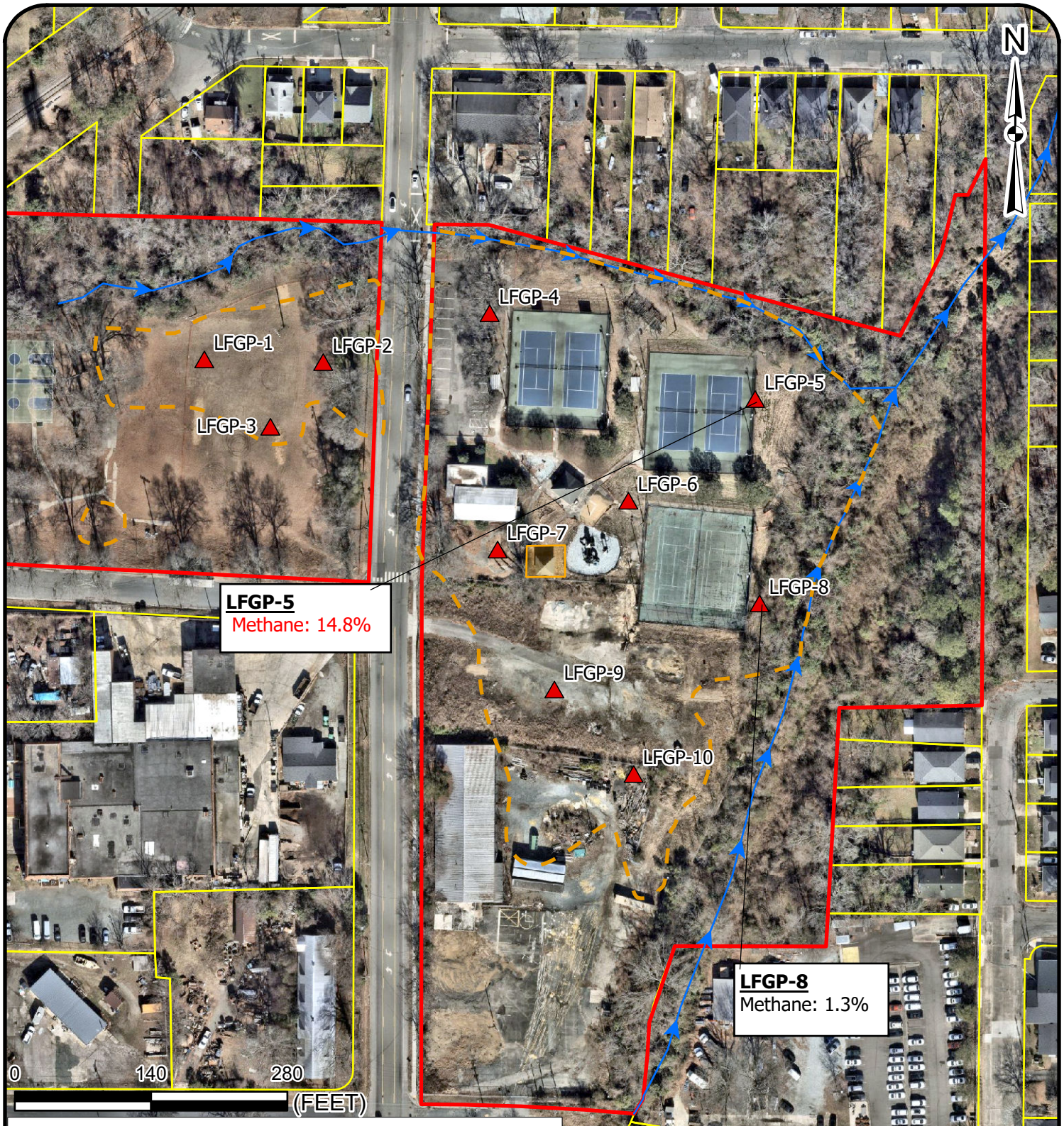
REFERENCE:
GIS BASE LAYERS WERE OBTAINED FROM THE LATEST NCONEMAP ORTHOIMAGERY LAYER. THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. ALL FEATURE LOCATIONS DISPLAYED ARE APPROXIMATED. THEY ARE NOT BASED ON CIVIL SURVEY INFORMATION, UNLESS STATED OTHERWISE.

Drawing Path: T:\Raleigh-1050\Projects\2023\23050630_NCDEQ LF_City of Durham Parks (PRLF)_Durham NC\ENV\GIS\RI-10 Figures\East End\RI-9A.aprx Plotted by: abentz

SITE MAP

EAST END PARK
NCDEQ ID NO. NONCD0000823, TASK ORDER 823RI-9A
1200 N. ALSTON AVENUE
DURHAM, NORTH CAROLINA

SCALE: 1 in = 175 ft
DATE: 4/8/2026
PROJECT NUMBER 23050630
FIGURE NO. 1



NOTES:
LANDFILL GAS SCREENING WAS CONDUCTED ON NOVEMBER 4, 2025. ONLY SCREENING RESULTS ABOVE THE BACKGROUND LEVELS ARE SHOWN. METHANE MEASURED AS % VOLUME IN AIR. METHANE LEVELS GREATER THAN 5% LOWER EXPLOSIVE LIMIT ARE RED.

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

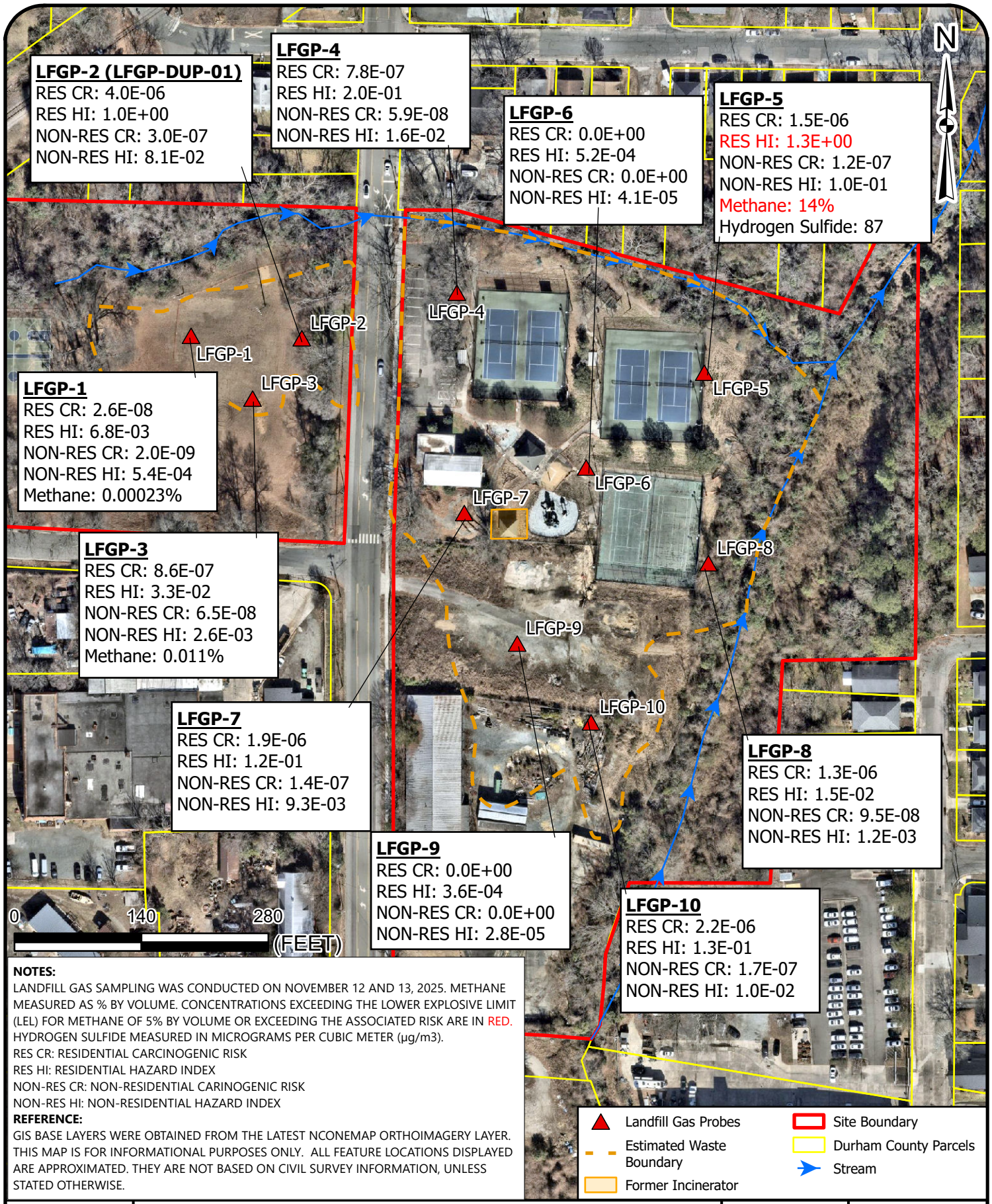
- Landfill Gas Probes
- Estimated Waste Boundary
- Former Incinerator
- Site Boundary
- Durham County Parcels
- Stream

LANDFILL GAS SCREENING RESULTS

EAST END PARK
NCDEQ ID NO. NONCD0000823, TASK ORDER 823RI-9A
1200 N. ALSTON AVENUE
DURHAM, NORTH CAROLINA

SCALE: 1 in = 140 ft
DATE: 4/8/2026
PROJECT NUMBER 23050630
FIGURE NO. 2

Drawing Path: T:\Raleigh-1050\Projects\2023\23050630_NCDEQ LF_City of Durham Parks (PRLF)_Durham NC\ENV\GIS\RI-10 Figures\East End\RI-9A.aprx Plotted by: abentz



NOTES:
LANDFILL GAS SAMPLING WAS CONDUCTED ON NOVEMBER 12 AND 13, 2025. METHANE MEASURED AS % BY VOLUME. CONCENTRATIONS EXCEEDING THE LOWER EXPLOSIVE LIMIT (LEL) FOR METHANE OF 5% BY VOLUME OR EXCEEDING THE ASSOCIATED RISK ARE IN RED. HYDROGEN SULFIDE MEASURED IN MICROGRAMS PER CUBIC METER (µg/m3).
RES CR: RESIDENTIAL CARCINOGENIC RISK
RES HI: RESIDENTIAL HAZARD INDEX
NON-RES CR: NON-RESIDENTIAL CARINOGENIC RISK
NON-RES HI: NON-RESIDENTIAL HAZARD INDEX

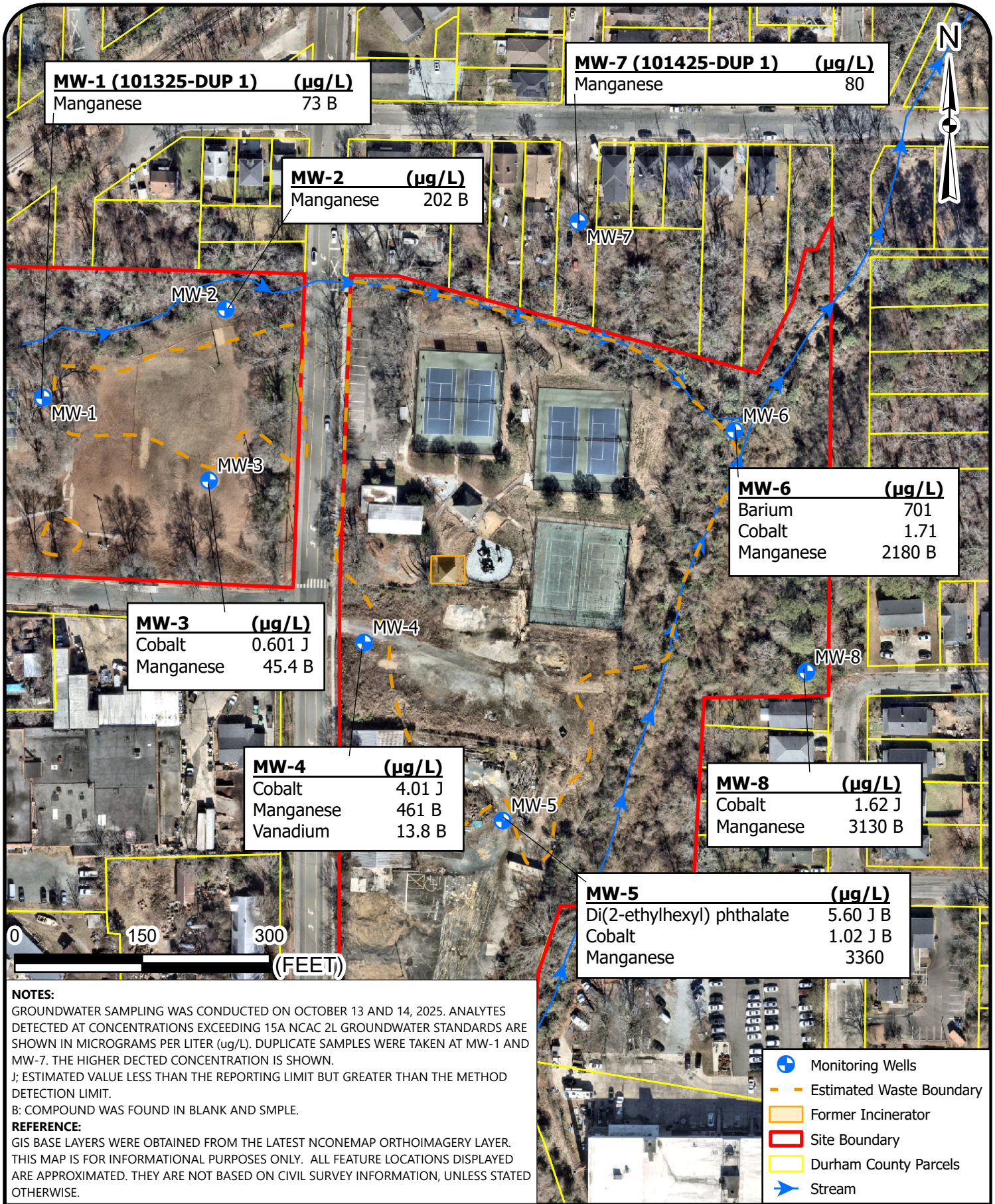
REFERENCE:
GIS BASE LAYERS WERE OBTAINED FROM THE LATEST NCONEMAP ORTHOIMAGERY LAYER. THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. ALL FEATURE LOCATIONS DISPLAYED ARE APPROXIMATED. THEY ARE NOT BASED ON CIVIL SURVEY INFORMATION, UNLESS STATED OTHERWISE.

LANDFILL GAS RISK ASSESSMENT & LABORATORY RESULTS

EAST END PARK
NCDEQ ID NO. NONCD0000823, TASK ORDER 823RI-9A
1200 N. ALSTON AVENUE
DURHAM, NORTH CAROLINA

SCALE: 1 in = 140 ft
DATE: 4/8/2026
PROJECT NUMBER 23050630
FIGURE NO. 3

Drawing Path: T:\Raleigh-1050\Projects\2023\23050630_NCDEQ LF_City of Durham Parks (PRLF)_Durham NC\ENV\GIS\RI-10 Figures\East End\RI-9A.aprx Plotted by: abentz



NOTES:
GROUNDWATER SAMPLING WAS CONDUCTED ON OCTOBER 13 AND 14, 2025. ANALYTES DETECTED AT CONCENTRATIONS EXCEEDING 15A NCAC 2L GROUNDWATER STANDARDS ARE SHOWN IN MICROGRAMS PER LITER (ug/L). DUPLICATE SAMPLES WERE TAKEN AT MW-1 AND MW-7. THE HIGHER DECTED CONCENTRATION IS SHOWN.
J; ESTIMATED VALUE LESS THAN THE REPORTING LIMIT BUT GREATER THAN THE METHOD DETECTION LIMIT.
B: COMPOUND WAS FOUND IN BLANK AND SMPLE.

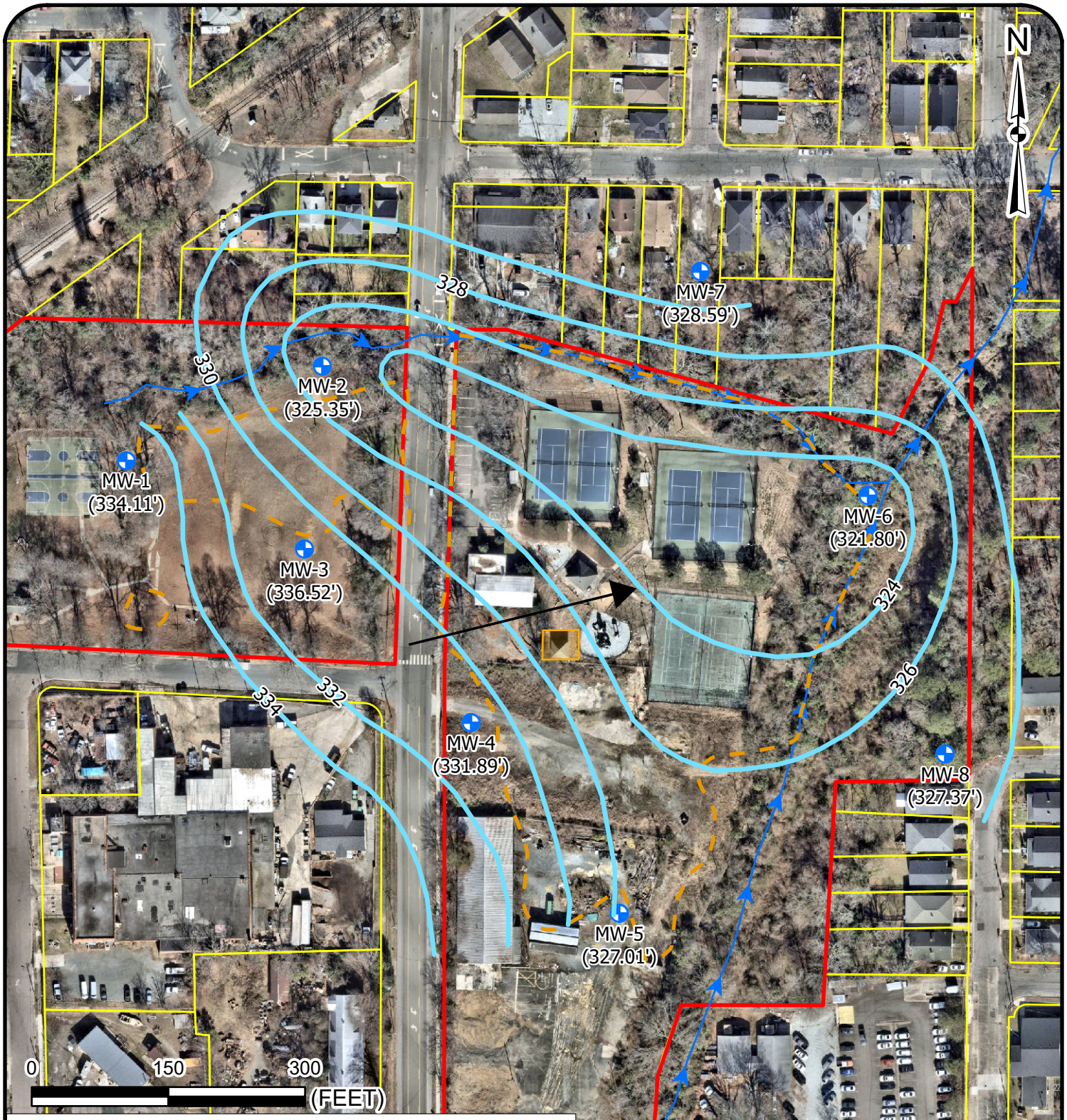
REFERENCE:
GIS BASE LAYERS WERE OBTAINED FROM THE LATEST NCONEMAP ORTHOIMAGERY LAYER. THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. ALL FEATURE LOCATIONS DISPLAYED ARE APPROXIMATED. THEY ARE NOT BASED ON CIVIL SURVEY INFORMATION, UNLESS STATED OTHERWISE.

GROUNDWATER ANALYTICAL RESULTS

EAST END PARK
NCDEQ ID NO. NONCD0000823, TASK ORDER 823RI-6
1200 N. ALSTON AVENUE
DURHAM, NORTH CAROLINA

SCALE: 1 in = 150 ft
DATE: 4/8/2026
PROJECT NUMBER 23050630
FIGURE NO. 4

Drawing Path: T:\Raleigh-1050\Projects\2023\23050630_NCDEQ LF_City of Durham Parks (PRLF)_Durham NC\ENV\GIS\RI-10 Figures\East End\RI-9A.aprx Plotted by: abentz



NOTES:
GROUNDWATER ELEVATION MEASUREMENTS WERE TAKEN OCTOBER 13 AND 14, 2025. ELEVATION IS MEASURED IN FETT ABOVE MEAN SEA LEVEL (FT-AMSL) APPROXIMATE GROUNDWATER FLOW IS DEPICTED WITH THE ARROW.

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

Drawing Path: T:\Raleigh-1050\Projects\2023\23050630_NCDEQ LF_City of Durham Parks (PRLF)_Durham NC\ENV\GIS\RI-10 Figures\East End\RI-9A.aprx Plotted by: abentz

GROUNDWATER ELEVATION MAP

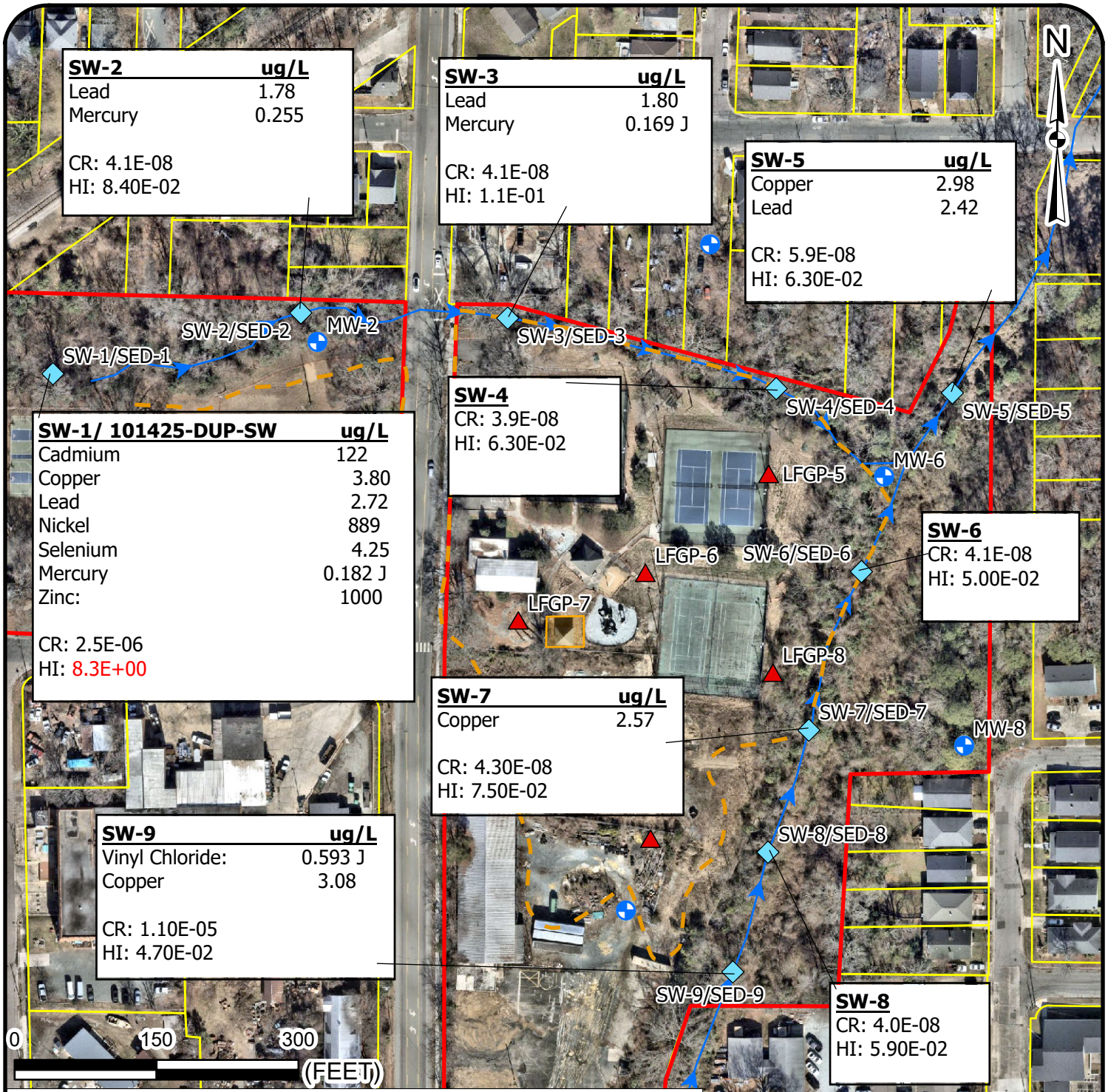
EAST END PARK
NCDEQ ID NO. NONCD0000823, TASK ORDER 823RI-9A
1200 N. ALSTON AVENUE
DURHAM, NORTH CAROLINA

SCALE: 1 in = 150 ft

DATE: 4/8/2026

PROJECT NUMBER 23050630

FIGURE NO. 5



NOTES:
SURFACE WATER SAMPLING WAS CONDUCTED ON OCTOBER 14, 2025. ANALYTES DETECTED AT CONCENTRATIONS EXCEEDING 15A NCAC 2B SURFACE WATER STANDARDS ARE SHOWN IN MICROGRAMS PER LITER (ug/L). A DUPLICATE SAMPLE WAS TAKEN AT SW-1. THE HIGHER DECTED CONCENTRATION IS SHOWN. DIRECT CONTACT RISK LEVELS ARE SHOWN FOR THE RECREATOR/TRESPASSER RECEPTOR. VALUES SHOWN IN RED EXCEED RISK.
CR: CARCINOGENIC RISK
HI: HAZARD INDEX
J: ESTIMATED VALUE LESS THAN THE REPORTING LIMIT BUT GREATER THAN THE METHOD DETECTION LIMIT.

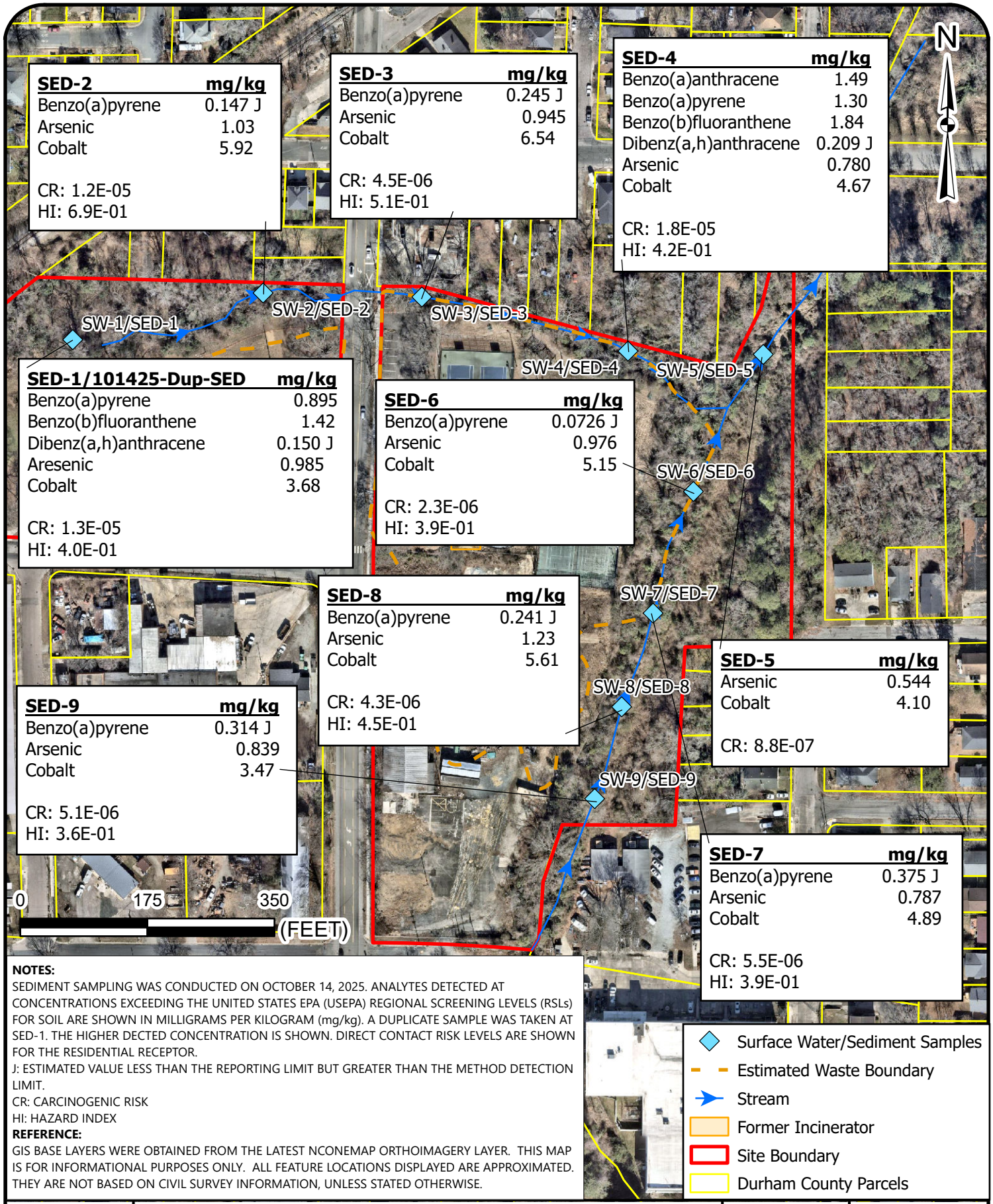
REFERENCE:
GIS BASE LAYERS WERE OBTAINED FROM THE LATEST NCONEMAP ORTHOIMAGERY LAYER. THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. ALL FEATURE LOCATIONS DISPLAYED ARE APPROXIMATED. THEY ARE NOT BASED ON CIVIL SURVEY INFORMATION, UNLESS STATED OTHERWISE.

SURFACE WATER ANALYTICAL RESULTS

EAST END PARK
NCDEQ ID NO. NONCD0000823, TASK ORDER 823RI-9A
1200 N. ALSTON AVENUE
DURHAM, NORTH CAROLINA

SCALE: 1 in = 150 ft
DATE: 4/8/2026
PROJECT NUMBER 23050630
FIGURE NO. 6

Drawing Path: T:\Raleigh-1050\Projects\2023\23050630_NCDEQ LF_City of Durham Parks (PRLF)_Durham NC\ENV\GIS\RI-10 Figures\East End\RI-9A.aprx Plotted by: abentz



NOTES:
SEDIMENT SAMPLING WAS CONDUCTED ON OCTOBER 14, 2025. ANALYTES DETECTED AT CONCENTRATIONS EXCEEDING THE UNITED STATES EPA (USEPA) REGIONAL SCREENING LEVELS (RSLs) FOR SOIL ARE SHOWN IN MILLIGRAMS PER KILOGRAM (mg/kg). A DUPLICATE SAMPLE WAS TAKEN AT SED-1. THE HIGHER DECTED CONCENTRATION IS SHOWN. DIRECT CONTACT RISK LEVELS ARE SHOWN FOR THE RESIDENTIAL RECEPTOR.
J: ESTIMATED VALUE LESS THAN THE REPORTING LIMIT BUT GREATER THAN THE METHOD DETECTION LIMIT.
CR: CARCINOGENIC RISK
HI: HAZARD INDEX
REFERENCE:
GIS BASE LAYERS WERE OBTAINED FROM THE LATEST NCONEMAP ORTHOIMAGERY LAYER. THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. ALL FEATURE LOCATIONS DISPLAYED ARE APPROXIMATED. THEY ARE NOT BASED ON CIVIL SURVEY INFORMATION, UNLESS STATED OTHERWISE.

SEDIMENT SAMPLE ANALYTICAL RESULTS

EAST END PARK
NCDEQ ID NO. NONCD0000823, TASK ORDER 823RI-9A
1200 N. ALSTON AVENUE
DURHAM, NORTH CAROLINA

SCALE: 1 in = 175 ft
DATE: 4/8/2026
PROJECT NUMBER 23050630
FIGURE NO. 7

Drawing Path: T:\Raleigh-1050\Projects\2023\23050630_NCDEQ LF_City of Durham Parks (PRLF)_Durham NC\ENV\GIS\RI-10 Figures\East End\RI-9A.aprx Plotted by: abentz

Tables

TABLE 1
Landfill Gas Probe & Gas Implant Construction Details
City of Durham Parks - East End Park (NONCD0000823)
1200 N. Alston Avenue, Durham, North Carolina
S&ME Project No. 23050630 Task Order RI-9A

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

Notes:
LFGP-9 and LFGP-10 were installed as soil gas implants due to shallow groundwater.
ft-bgs: feet below ground surface.
in: inches
N/A: Not Applicable
The Soil Gas Probe and Implant locations are indicated on **Figure 1.**

TABLE 6
Groundwater Sample Analytical Results Summary
City of Durham Parks - East End Park (NONCD0000823)
1200 N. Alston Avenue, Durham, Durham County, North Carolina
S&ME Project No. 23050630 Task Order RI-9A

Analytical Method		Method 8260 - Volatile Organic Compounds (VOCs) (µg/L)		Method 8270E - Semi Volatile Organic Compounds (SVOCs) (µg/L)							Method 6020B - Metals (µg/L)										Method 7471B	Method 350.1	Method 353.2	Method 353.2-1993 R2.0	Method 9056A
CAS Number		1634-04-4	91-20-3	83-32-9	120-12-7	105-60-2	117-81-7	206-44-0	86-73-7	91-20-3	7440-38-2	7440-39-3	7440-41-7	7440-47-3	7440-48-4	7440-50-8	7439-92-1	7439-96-5	7440-02-0	7440-62-2	7440-66-6	7439-97-6	7664-41-7	14797-65-0	14797-55-8	14808-79-8
Analyte		Methyl tert-butyl ether	Naphthalene	Acenaphthene	Anthracene	Caprolactam	Di(2-ethylhexyl) phthalate	Fluoranthene	Fluorene	Naphthalene	Arsenic	Barium	Beryllium	Chromium, Total	Cobalt	Copper	Lead	Manganese	Nickel	Vanadium	Zinc	Mercury	Ammonia Nitrogen	Nitrite as (N)	Nitrate as (N)	Sulfate
Sample ID	Date Collected																									
MW-1	10/13/2025	<0.220	<0.745	<0.626	<0.904	**4.94 J**	<3.97	<0.626	<0.666	<0.745	**2.02 J**	**157**	<0.147	<3.69	<0.411	**0.923 J B**	**1.62**	**68.3 B**	**0.952 J**	**3.05 J B**	<8.91	<0.166	<46	<168	**13 J**	**2,230**
MW-2	10/13/2025	<0.220	<0.755	<0.634	<0.916	<2.42	<4.03	<0.634	<0.674	<0.755	<1.32	**590**	<0.147	<3.69	<0.411	**1.29 J B**	**0.938 J**	**202 B**	**1.35 J**	**4.73 J B**	**12.4**	<0.166	<46	<168	<10	**10,200**
MW-3	10/13/2025	<0.220	<0.753	<0.632	<0.913	<2.41	<4.01	<0.632	<0.672	<0.753	<1.32	**205**	<0.147	**7.61**	**0.601 J**	**3.62 B**	**1.08**	**45.4 B**	**2.15 J**	**4.25 J B**	**34.7**	<0.166	**306**	<10	**34 J**	**13,100**
MW-4	10/13/2025	<0.220	<0.765	<0.643	<0.929	<2.45	<4.08	<0.643	<0.684	<0.765	<1.32	**327**	**0.696 J**	**6.16**	**4.01 J**	**18.3 B**	**2.20**	**461 B**	**11.1**	**13.8 B**	**240**	<0.166	**59**	**110**	**153**	**8,150**
MW-5	10/14/2025	<0.220	**0.908 J**	**7.89 J**	**1.26 J**	<2.34 *+	**5.60 J B**	**0.835 J**	**4.65 J**	**0.908 J**	**4.43 J**	**263 B**	<0.147	<3.69	**1.02 J B**	<0.642	<0.864 ^+	**3360**	<0.422	<1.22	**59.6**	<0.166	**2360**	<16.8	**51 J**	**4,260**
MW-6	10/13/2025	<0.220	<0.740	<0.622	<0.898	<2.37	<3.95	<0.622	<0.661	<0.740	**8.54**	**701**	<0.147	<3.69	**1.71 J**	**2.41 B**	**4.32**	**2180 B**	**1.94 J**	**4.49 J B**	**20.2**	<0.166	**6450**	**31.3 J**	**37.7 J**	**504 J**
MW-7	10/14/2025	<0.220	<0.740	<0.622	<0.898	<2.37 *+	<3.95	<0.622	<0.661	<0.740	<1.32	**417 B**	<0.147	<3.69	**0.531 J B**	<0.642	<0.864 ^+	**59.9**	**1.07 J B**	**2.02 J**	<8.91	**0.226**	<46	**85.7 J**	**15,100**	**3,520**
MW-8	10/13/2025	**17.8**	<0.765	<0.643	<0.929	<2.45	<4.08	<0.643	<0.684	<0.765	**2.53 J**	**1440**	<0.147	<3.69	**1.62 J**	**2.00 B**	<0.864	**3130 B**	**2.87 J**	**5.59 B**	**15.7**	<0.166	<46	<16.8	**25 J**	**545 J**
101325-Dup 1 (MW-1)	10/13/2025	<0.220	<0.758	<0.636	<0.919	**7.94 J**	<4.04	<0.636	<0.677	<0.758	**1.50 J**	**156**	<0.147	<3.69	<0.411	**1.59 J B**	**2.04**	**73.0 B**	**1.25 J**	**2.97 J B**	**16.7**	<0.166	<46	<16.8	**22 J**	**2,430**
101425-Dup 1 (MW-7)	10/14/2025	<0.220	<0.745	<0.626	<0.904	<2.38 *+	<3.97	<0.626	<0.666	<0.745	<1.32	**447 B**	<0.147	<3.69	**0.677 J B**	**0.789 J B**	<0.864 ^+	**80.0**	**0.964 J B**	**2.28 J**	<8.91	<0.166	<46	**125**	**5,740**	**3,550**
15A NCAC 2L Groundwater Standards & IMACs		20	6	80	2,000	4,000	3	300	300	6	10	700	4	10	1	1,000	15	50	100	7	1,000	1	1,500	1,000	10,000	250,000

Notes:
µg/L: Micrograms per liter.
Concentrations shown with "<" do not exceed the laboratory method detection limits (MDLs).
Concentrations shown in **BOLD** exceed the laboratory MDLs.
All detections that exceed the 15A NCAC 2L Groundwater Standards or IMACs.
J: Estimated value less than the reporting limit but greater than the method detection limit.
E: Result exceeded calibration range.
B: Compound was found in trip blank and sample
101325-DUP 1 was taken at MW-1.
101425-DUP 1 was taken at MW-7

TABLE 2
Landfill Gas Field Screening Results
City of Durham Parks - East End Park (NONCD0000823)
1200 N. Alston Avenue, Durham, North Carolina
S&ME Project No. 23050630 Task Order RI-9A

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	11/4/2025	0.0	0.0	0.0	0.0
BG-2	11/4/2025	0.0	0.0	0.0	0.0
BG-3	11/4/2025	0.0	0.0	0.0	0.0
BG-4	11/4/2025	0.0	0.0	0.0	0.0
LFGP-1	11/4/2025	0.0	0.0	0.0	0.0
LFGP-2	11/4/2025	0.0	0.0	0.0	0.0
LFGP-3	11/4/2025	0.0	0.0	0.0	0.0
LFGP-4	11/4/2025	0.0	0.0	0.0	0.0
LFGP-5	11/4/2025	0.0	**14.8**	**>>>**	0.0
LFGP-6	11/4/2025	0.0	0.0	0.0	0.0
LFGP-7	11/4/2025	0.0	0.0	0.0	0.0
LFGP-8	11/4/2025	0.0	**1.3**	**26.0**	0.0
LFGP-9	11/4/2025	0.0	0.0	0.0	0.0
LFGP-10	11/4/2025	0.0	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 End Park (NONCD0000823)
1200 N. Alston Avenue, Durham, North Carolina
S&ME Project No. 23050630 Task Order RI-9A

Analytical Method	Analyte	CAS Number	Sample ID	823-LFGP-1	823-LFGP-2	823-LFGP-3	823-LFGP-4	823-LFGP-5	823-LFGP-6	823-LFGP-7	823-LFGP-8	823-LFGP-9	823-LFGP-10	823-LFGP-DUP-01 (823-LFGP-2)
			Date Collected	11/12/2025	11/12/2025	11/12/2025	11/12/2025	11/12/2025	11/12/2025	11/12/2025	11/13/2025	11/13/2025	11/13/2025	11/13/2025
Volatile Organic Compounds by Method TO-15 (µg/m³)	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1		<6.7	<6.5	<8.6	<6.2	<9.5	**90**	<6.1	**16**	**62**	**53**	<6.3
	1,2,4-Trimethylbenzene	95-63-6		<4.3	<4.2	<5.5	<4.0	**12**	<4.5	<3.9	<3.8	<4.3	<4.0	<4.0
	1,3,5-Trimethylbenzene	108-67-8		<4.3	<4.2	<5.5	<4.0	**14**	<4.5	<3.9	<3.8	<4.3	<4.0	<4.0
	4- Ethyltoulene	622-96-8		<4.3	<4.2	<5.5	<4.0	**9.3**	<4.5	<3.9	<3.8	<4.3	<4.0	<4.0
	Benzene	71-43-2		<2.8	<2.7	<3.6	<2.6	**13**	<2.9	<2.6	**15**	<2.8	<2.6	<2.6
	Chloroform	67-66-3		<4.3	<4.1	<5.5	<4.0	<6.0	<4.5	**7.6**	<3.7	<4.3	**8.8**	<4.0
	Cyclohexane	110-82-7		<3.0	<2.9	<3.8	<2.8	**180**	<3.2	<2.8	**7.3**	<3.0	<2.8	<2.8
	Ethanol	64-17-5		<16	<16	<21	<15	<23	<17	<15	<14	**18**	<16	<15
	Ethylbenzene	100-41-4		<3.8	<3.7	<4.9	<3.5	**9.3**	<4.0	<3.5	<3.3	<3.8	<3.6	<3.6
	Heptane	142-82-5		<3.6	<3.5	**120**	<3.3	**45**	<3.8	<3.3	**3.7**	<3.6	<3.4	<3.4
	Hexane	110-54-3		<3.1	<3.0	**390**	<2.9	**100**	<3.2	<2.8	**10**	<3.1	<2.9	<2.9
	Isopropylbenzene	98-82-8		<4.3	<4.2	<5.5	<4.0	**12**	<4.5	<3.9	<3.8	<4.3	<4.0	<4.0
	m+p-Xylenes	108-38-3/106-42-3		<7.6	<7.3	<9.7	<7.1	**16**	<8.0	<6.9	<6.6	<7.6	<7.2	<7.1
	Tetrachloroethylene (PCE)	127-18-4		**9.4**	**1300**	**8.0**	**280**	<8.4	<6.2	**7.0**	<5.2	<6.0	<5.6	**1100**
	Toluene	108-88-3		<6.6	<6.4	<8.4	<6.1	**11**	<6.9	<6.0	<5.8	<6.6	<6.2	<6.2
	Trichloroethylene	79-01-6		<4.7	**6.0**	<6.0	<4.4	<6.7	<4.9	<4.3	<4.1	<4.7	<4.4	**5.3**
	2,2,4-Trimethylpentane	540-84-1		<4.1	<3.9	<5.2	<3.8	**54**	<4.3	<3.7	**300**	<4.1	<3.8	<3.8
ASTM D5504-12 (ug/m³)	Hydrogen Sulfide	7783-06-4		<14	<14	<14	<14	**87**	<14	<14	<14*	<14	<14	<14
NIOSH 6009 (µg/m³)	Mercury	7439-97-6		<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.76	<0.91	<0.81	<0.83
ASTM D1946 (ug/m³)	Methane	74-82-8		**0.00023**	<0.00017	**0.011**	<0.00016	**14**	<0.00018	<0.00016	**1.3**	<0.00018	<0.00016	<0.00016
NCDEQ Risk Calculator Values	Vapor Intrusion Resident Soil Gas To Indoor Air	Cumulative Carcinogenic Risk		2.6E-08	4.0E-06	8.6E-07	7.8E-07	1.5E-06	0.0E+00	1.9E-06	1.3E-06	0.0E+00	2.2E-06	See 823-LFGP-2 Risk Assessment.
		Non-Carcinogenic Hazard Quotient		6.8E-03	1.0E+00	3.3E-02	2.0E-01	1.3E+00	5.2E-04	1.2E-01	1.5E-02	3.6E-04	1.3E-01	
	Vapor Intrustion Non-Residential Worker Soil Gas To Indoor Air	Cumulative Carcinogenic Risk		2.0E-09	3.0E-07	6.5E-08	5.9E-08	1.2E-07	0.0E+00	1.4E-07	9.5E-08	0.0E+00	1.7E-07	
		Non-Carcinogenic Hazard Quotient		5.4E-04	8.1E-02	2.6E-03	1.6E-02	1.0E-01	4.1E-05	9.3E-03	1.2E-03	2.8E-05	1.0E-02	

Notes:
µg/m³: micrograms per cubic meter.
Concentrations shown in **BOLD** exceed the laboratory detection limits.
Concentrations not were entered into the NCDEQ Risk Calculator (January 2025 Version), Compound not in Calculator.
Exceedes the Lower Explosive Limit (LEL) of methane which is 5% by volume, exceedances of the LEL are highlighted.
LFGP-DUP-01 taken at 823-LFGP-2.
*: Hydrogen Sulfide Sample for 823-LFGP-8 re-collected on 11/17/2025 after arriving at the lab with a torn seam on 11/13/2025.
NCDEQ Risk Calculator Values shown in red exceed risk.

TABLE 4
Groundwater Monitor Well Construction & Groundwater Level
City of Durham Parks - East End Park (NONCD0000823)
1200 N. Alston Avenue, Durham, North Carolina
S&ME Project No. 23050630 Task Order RI-9A

ID	Date Installed	Type	Casing Material	Total Depth (ft-bgs)	Casing Interval (ft-bgs)			Screen Interval (ft-bgs)			Grout Interval (ft-bgs)			Bentonite Interval (ft-bgs)			Filter Pack Interval (ft-bgs)			Top of Casing Elevation (ft-amsl)	Date Water Level Measured	Depth to Groundwater (ft-btoc)	Groundwater Elevation (ft-amsl)
MW-1	5/15/25	Flush Mount - Monitoring Well	2-in Sch 40 PVC	57.5	0.0	to	37.5	37.5	to	57.5	0.0	to	33.5	33.5	to	35.5	35.5	to	57.5	339.19	10/13/2025	5.08	334.11
MW-2	5/15/25	Flush Mount - Monitoring Well	2-in Sch 40 PVC	28.0	0.0	to	8.0	8.0	to	28.0	0.0	to	4.0	4.0	to	6.0	6.0	to	28.0	337.12	10/13/2025	11.77	325.35
MW-3	5/15/25	Flush Mount - Monitoring Well	2-in Sch 40 PVC	56.5	0.0	to	36.5	36.5	to	56.5	0.0	to	32.5	32.5	to	34.5	34.5	to	56.5	341.60	10/13/2025	5.08	336.52
MW-4	5/14/25	Flush Mount - Monitoring Well	2-in Sch 40 PVC	54.0	0.0	to	34.0	34.0	to	54.0	0.0	to	30.0	30.0	to	32.0	32.0	to	54.0	346.37	10/13/2025	14.48	331.89
MW-5	5/14/25	Flush Mount - Monitoring Well	2-in Sch 40 PVC	18.0	0.0	to	8.0	8.0	to	18.0	0.0	to	4.0	4.0	to	6.0	6.0	to	18.0	329.68	10/14/2025	2.67	327.01
MW-6	5/14/25	Flush Mount - Monitoring Well	2-in Sch 40 PVC	20.0	0.0	to	10.0	10.0	to	20.0	0.0	to	6.0	6.0	to	8.0	8.0	to	20.0	331.41	10/13/2025	9.61	321.80
MW-7	5/15/25	Flush Mount - Monitoring Well	2-in Sch 40 PVC	32.0	0.0	to	12.0	12.0	to	32.0	0.0	to	8.0	8.0	to	10.0	10.0	to	32.0	333.80	10/14/2025	5.21	328.59
MW-8	5/15/25	Flush Mount - Monitoring Well	2-in Sch 40 PVC	58.0	0.0	to	38.0	38.0	to	58.0	0.0	to	34.0	34.0	to	36.0	36.0	to	58.0	342.40	10/13/2025	15.03	327.37

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

TABLE 5
Groundwater Field Screening Parameters
City of Durham Parks - East End Park (NONCD0000823)
1200 N. Alston Avenue, Durham, North Carolina
S&ME Project No. 23050630 Task Order RI-9A

Sample Location ID	Date	Field Parameter			
		pH	Temperature (°C)	Conductivity (µS/cm)	Turbidity (NTU)
MW-1	10/13/2025	8.1	18.8	874.0	NM
MW-2	10/13/2025	7.5	19.3	612.0	23.1
MW-3	10/13/2025	9.5	19.4	535.0	120.3
MW-4	10/13/2025	8.5	21.0	264.0	131.2
MW-5	10/14/2025	6.8	22.8	501.0	2.7
MW-6	10/13/2025	7.0	19.8	1469.0	63.0
MW-7	10/14/2025	7.1	19.9	608.0	25.3
MW-8	10/13/2025	7.2	18.7	742.0	34.2

Notes:
Temperature: degrees Celsius (°C)
Conductivity: microsiemens per centimeter (µS/cm)
Turbidity: Nephelometric Turbidity Units

Table 7
Surface Water Sample Analytical Results Summary
City of Durham Parks - East End Park (NONCD0000823)
1200 N. Alston Avenue, Durham, Durham County, North Carolina
S&ME Project No. 23050630 Task Order RI-9A

Analytical Method		Method 8260D - Volatile Organic Compounds (VOCs) (µg/L)						Method 8270E - SVOCs (µg/L)		Method 6020B - Metals (µg/L)													Method 7470A (µg/L)	Method 350.1 (µg/L)	Method 353.2 (µg/L)	Method 9056A (µg/L)		NCDEQ Risk Calculator for Direct Contact Recreator/Trespasser Receptor	
CAS Number		67-66-3	156-59-2	108-88-3	71-55-6	76-13-1	75-01-4	117-81-7	123-91-1	7440-38-2	7440-39-3	7440-41-7	7440-43-9	7440-48-4	7440-50-8	7439-92-1	7439-96-5	7440-02-0	7782-49-2	7440-22-4	7440-62-2	7440-66-6	7439-97-6	7664-41-7	7664-41-7	14797-55-8	14808-79-8		
Analyte		Chloroform	cis-1,2-Dichloroethene	Toluene	1,1,1-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	Vinyl Chloride	Di(2-ethylhexyl) phthalate	1,4-Dioxane	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Copper	Lead	Manganese	Nickel	Selenium	Silver	Vanadium	Zinc	Mercury	Ammonia Nitrogen	Nitrite as N	Nitrate as N	Sulfate	Cumulative Carcinogenic Risk	Non-Carcinogenic Hazard Quotient
Sample ID	Date Collected																											
SW-1	10/14/2025	**1.04**	<0.200	<0.900	<0.180	<0.500*+	<0.500	**5.97 J B**	<0.277	<1.32	**40.4**	<0.147	<0.237	<0.411	**2.44**	**2.72**	**316**	**0.901 J**	<2.29	<0.167	**2.67 J B**	**24.1**	**0.182 J**	**238**	<16.8	**91 J**	**36,400**	2.5E-06	8.30E+00
SW-2	10/14/2025	<0.900	<0.200	<0.900	<0.180	<0.500*+	<0.500	**5.46 J B**	<0.293	<1.32	**41.3**	<0.147	<0.237	<0.411	**1.89 J**	**1.78**	**183**	**0.909 J**	<2.29	<0.167	**2.37 J B**	<8.91	**0.255**	**69**	<16.8	<25	**34,700**	4.1E-08	8.40E-02
SW-3	10/14/2025	<0.900	<0.200	**1.35**	<0.180	<0.500*+	<0.500	**5.44 J B**	<0.280	<1.32	**42.1**	<0.147	<0.237	<0.411	**2.14**	**1.80**	**257**	**1.05 J**	<2.29	<0.167	**2.47 J B**	**11.3**	**0.169 J**	**55**	<16.8	<25	**32,900**	4.1E-08	1.10E-01
SW-4	10/14/2025	<0.900	<0.200	<0.900	<0.180	<0.500*+	<0.500	**5.24 J B**	<0.289	<1.32	**35.3**	<0.147	<0.237	<0.411	**2.48**	<0.864	**143**	**1.26 J**	<2.29	<0.167	**2.33 J B**	<8.91	<0.166	<46	<16.8	**96 J**	**41,100**	3.9E-08	6.30E-02
SW-5	10/14/2025	<0.900	**0.599 J**	<0.900	**0.224 J**	**1.19**	<0.500	**5.52 J B**	<0.287	<1.32	**39.3**	<0.147	<0.237	<0.411	**2.98**	**2.42**	**100**	**1.24 J**	<2.29	<0.167	**2.92 J B**	**10.5**	<0.166	<46	<16.8	<25	**13,900**	4.1E-08	5.10E-02
SW-6	10/14/2025	<0.900	**0.711 J**	<0.900	<0.180	**1.45**	<0.500	**5.17 J B**	**0.361**	<1.32	**37.0**	<0.147	<0.237	<0.411	**2.39**	<0.864	**134**	**1.24 J**	<2.29	<0.167	**2.52 J B**	<8.91	<0.166	<46	<16.8	**14,200**	**14,100**	5.9E-08	1.00E-01
SW-7	10/14/2025	<0.900	**0.741 J**	<0.900	**0.287 J**	**1.93**	<0.500	**5.74 J B**	<0.288	<1.32	**37.6**	<0.147	<0.237	<0.411	**2.57**	<0.864	**165**	**0.985 J**	<2.29	<0.167	**2.54 J B**	**13.3**	<0.166	<46	<16.8	**113**	**15,300**	4.30E-08	7.50E-02
SW-8	10/14/2025	<0.900	**0.923 J**	<0.900	**0.369 J**	**2.25**	<0.500	**5.39 J B**	<0.281	<1.32	**36.2**	<0.147	<0.237	<0.411	**2.42**	<0.864	**124**	**1.09 J**	<2.29	<0.167	**2.32 J B**	<8.91	<0.166	**54**	<16.8	<25	**15,700**	4.0E-08	5.90E-02
SW-9	10/14/2025	<0.900	**1.06**	<0.900	**0.329 J**	**2.74**	**0.593 J**	**5.02 J B**	<0.283	<1.32	**35.9**	<0.147	<0.237	<0.411	**3.08**	<0.864	**87.2**	**1.01 J**	<2.29	<0.167	**2.46 J B**	<8.91	<0.166 F2	<46	<16.8	<25	**16,200**	1.10E-05	4.70E-02
101425-DUP-SW (SW-1)	10/14/2025	<0.900	<0.200	<0.900	<0.180	<0.500*+	<0.500	**5.45 J B**	<0.285	**2.74 J**	**56.9**	<0.147	**122**	**61.1**	**3.80**	<0.864	**6140**	**889**	**9.18**	**4.25**	**1.31 J B**	**1000**	<0.166	**67**	<16.8	**89 J**	**36,900**	**See SW-1 Risk Assessment**	
15A NCAC 2B Surface Water Standards		NE	NE	11	NE	NE	0.025	NE	NE	10	1,000	6.5	0.25	NE	2.7	0.54	NE	16	5	0.3	NE	36	0.012	NE	10,000	10,000	250,000		

Notes:
µg/L: Micrograms per liter.
Concentrations shown with "<" do not exceed the laboratory method detection limits (MDLs).
Concentrations shown in **BOLD** exceed the laboratory MDLs.
All detections that exceed the 15A NCAC 2B Standards.
Compound not in the NCDEQ Risk Calculator, compound was not entered.
Analyte was not detected above the MDL and the MDL value is greater than the respective screening level. Value is not included in risk calculations.
101425-DUP-SW was taken at SW-1.
J: Estimated value less than the reporting limit but greater than the method detection limit.
B: Compound was found in blank and sample.
NE: Standard Not Established
NCDEQ Risk Calculator Values shown in red exceed risk.

Table 8
Sediment Sample Analytical Results Summary
City of Durham Parks - East End Park (NONCD0000823)
1200 N. Alston Avenue, Durham, Durham County, North Carolina
S&ME Project No. 23050630 Task Order RI-9A

| Analytical Method | | Method 8260D - Volatile Organic Compounds (VOCs) (mg/Kg) | | | | | | Method 8270E - Semi Volatile Organic Compounds (SVOC) (mg/Kg) | | | | | |

Appendices

Appendix I- Coordinates of Selected Features

APPENDIX I
Coordinates of Selected Features
City of Durham Parks - East End Park (NONCD0000823)
1200 N. Alston Avenue, Durham, North Carolina
S&ME Project No. 23050630 Task Order RI-9A

Site Feature	Type	Location			
		Latitude	Longitude	Northing	Easting
LFGP-1	Landfill Gas Probe	35.99790726	-78.88657655	818155.7041	2033551.4697
LFGP-2	Landfill Gas Probe	35.99789942	-78.88616369	818152.9899	2033673.5997
LFGP-3	Landfill Gas Probe	35.99771693	-78.88634744	818086.4969	2033619.3197
LFGP-4	Landfill Gas Probe	35.99803681	-78.88558547	818203.1991	2033844.5817
LFGP-5	Landfill Gas Probe	35.99779363	-78.88466374	818114.9939	2034117.3390
LFGP-6	Landfill Gas Probe	35.99750701	-78.88510455	818010.5049	2033987.0670
LFGP-7	Landfill Gas Probe	35.99736951	-78.8855589	817960.2960	2033852.7237
LFGP-8	Landfill Gas Probe	35.99721671	-78.88464934	817904.9848	2034121.8442
LFGP-9	Landfill Gas Probe	35.99697418	-78.8853622	817816.4541	2033911.0750
LFGP-10	Landfill Gas Probe	35.99673534	-78.8850873	817729.6059	2033992.4948
MW-1	Monitor Well	35.986683	-78.870838	818129.99	2033449.59
MW-2	Monitor Well	35.986772	-78.870354	818226.33	2033645.30
MW-3	Monitor Well	35.985891	-78.871528	818040.28	2033628.00
MW-4	Monitor Well	35.985232	-78.871562	817859.58	2033798.93
MW-5	Monitor Well	35.984758	-78.870789	817636.64	2033982.20
MW-6	Monitor Well	35.985273	-78.870648	818121.95	2034169.36
MW-7	Monitor Well	35.985690	-78.870251	818352.52	2034058.28
MW-8	Monitor Well	35.985891	-78.870345	817825.44	2034363.31
SW-1/SED-1	Surface Water Sediment	35.984638	-78.871159	813330.90	2038118.23
SW-2/SED-2	Surface Water Sediment	35.984959	-78.871029	813447.72	2038156.53
SW-3/SED-3	Surface Water Sediment	35.985202	-78.870914	813536.42	2038190.60
SW-4/SED-4	Surface Water Sediment	35.985766	-78.870655	813741.83	2038266.85
SW-5/SED-5	Surface Water Sediment	35.986517	-78.870312	814015.32	2038368.18
SW-6/SED-6	Surface Water Sediment	35.987186	-78.870219	814258.82	2038395.25
SW-7/SED-7	Surface Water Sediment	35.986517	-78.870312	814015.32	2038368.18
SW-8/SED-8	Surface Water Sediment	35.987186	-78.870219	814258.82	2038395.25
SW-9/SED-9	Surface Water Sediment	35.987774	-78.870173	814472.98	2038408.49

Notes:

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

Appendix II– S&ME Field Notes

LANDFILL GAS SCREENING FORM

Project Name:	**Eas End Park**	Location:	Durham, NC	**Meter Type/ Meter Name/ Serial No.:**				
NCDEQ ID No.:	**NONCD0000823**	Date:	11/4/2025	Gas Analyzer	GEM 5000			
S&ME Project No.:	**23050630**	Weather:	Sunny	PID	Mini Rae 3000		Pre Calibration Time:	
Task Order:	**RI-9**	S&ME Personnel:	Logan Hester	Thermo Hygrometer			Post Calibration Time:	

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

Screening Data

Sample Location	Time	VOCs		Methane		Carbon Dioxide	Oxygen	Hydrogen Sulfide	Barometric Pressure	Temperature	Humidity
ID	hr:min	ppm-v	%	volume in air (%)	% LEL (100% LEL = 5% CH4)	%	%	ppm-v	in-Hg	°F	%
BG-1	13:55	0.0	0	0.0	0	0.1	21.0	0	29.90	65.0	41
BG-2	13:58	0.0	0	0.0	0	0.1	21.4	0	29.90	65.0	41
BG-3	14:01	0.0	0	0.0	0	0.1	21.1	0	29.90	65.0	41
BG-4	14:05	0.0	0	0.0	0	0.1	21.1	0	29.90	65.0	41
LFGP-1	14:07	0.0	0	0.0	0	0.5	19.9	0	29.90	65.0	41
LFGP-2	14:10	0.0	0	0.0	0	2.4	17.9	0	29.90	65.0	41
LFGP-3	14:15	0.0	0	0.0	0	3.7	14.8	0	29.90	65.0	41
LFGP-4	14:32	0.0	0	0.0	0	5.7	15.5	0	29.90	65.0	41
LFGP-5	14:37	0.0	0	14.8	>>>	9.5	0.4	0	29.90	66.0	41
LFGP-6	14:43	0.0	0	0.0	0	11.7	5.4	0	29.90	66.0	41
LFGP-7	14:25	0.0	0	0.0	0	6.6	15.5	0	29.90	65.0	41
LFGP-8	14:48	0.0	0	1.3	26	3.8	0.3	0	29.90	65.0	41
LFGP-9 (Implant)	15:01	0.0	0	0.0	0	10.2	4.1	0	29.90	65.0	41
LFGP-10 (Implant)	14:56	0.0	0	0.0	0	6.9	8.1	0	29.90	65.0	41

Name	**Signature**	**Date**	**Notes:**
(1) Logan Hester	Logan Hester	11/4/2025	

SOIL VAPOR FIELD SAMPLING FORM

Project Name:	East End Park				
Project Number:	23050630 - 823RI-9				
Location:	Durham, NC			**Date:**	11/12/2025
Weather:	Sunny			**Air Temp (°F):**	50s
Helium Detector Serial No.:	Dielectric Helium Detector 42585 (Field Environmental Instruments)			**Calibration Date:**	11/7/2025

Sample Information					
Sample Type					
Sample ID	LFGP-1	LFGP-2	LFGP-3	LFGP-4	LFGP-5
Canister ID	6L2608	6L0116	6L0909	6L0157	6L1211
Regulator ID	23113	23156	24859	23352	23131
Canister Volume (L)	6	6	6	6	6
Ambient Temp (°F)					
Barometric Pressure (inHg)					
Leak Test Information					
Purge Method	Personal Pump	Personal Pump	Personal Pump	Personal Pump	Personal Pump
He Concentration in Shroud (%)	15.6	14.4	16.3	14.1	
He Detected in Leak Test (Y or N)	No	No	No	No	No
He Conc. Detected in Leak Test (ppm)	0	0	0	0	
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 Total Tubing (ft)	0.25" ID Total Tubing (in)	Sand Pack Interval (in)	0.17" ID Total Tubing (ft)	0.25" ID Total Tubing (in)	Sand Pack Interval (in)	0.17" ID Total Tubing (ft)	0.25" ID Total Tubing (in)	Sand Pack Interval (in)	0.17" ID Total Tubing (ft)	0.25" ID Total Tubing (in)	Sand Pack Interval (in)	0.17" ID Total Tubing (ft)	0.25" ID Total Tubing (in)	Sand Pack Interval (in)
	9	0	48	9	0	48	9	0	48	9	0	48	7	0	24
Sand Pack Interval Depth (in-bgs)	72	to	120	72	to	120	72	to	120	72	to	120	60	to	84
Volume (mL)	1039			1039			1039			1039			531		
Purge Flow Rate (mL/min)	200			200			200			200			200		
Purge Interval (3x Vol.) (min)	15.6			15.6			15.6			15.6			8.0		
Actual Purge Time (min)	15.0			15.0			15.0			15.0			8.0		
Sample Collection															
Start Time	11:05			10:52			11:22			11:39			12:31		
Initial Vacuum (inHg)	30			28			27			30			28		
End Time	12:08			11:48									13:30		
Final Vacuum (inHg)	9			6									5		
Approximate Total Time (min)	63			56									59		
Sample Analysis	VOCs by TO-15			VOCs by TO-15			VOCs by TO-15			VOCs by TO-15			VOCs by TO-15		

Sampler Information

Sampled by: Madison Allen Sampler Signature: Madison Allen Date: 11/12/2025

Notes:
1. Per the NCDEQ DWM VI Guidance dated March 2018, the helium concentration detected during the leak test shall not exceed 10% of the helium concentration in the shroud.
2. Dup-1 is taken t LFGP-2.

Revision Date: 5/3/18 11:30

SOIL VAPOR FIELD SAMPLING FORM

Project Name:	East End Park				
Project Number:	23050630 - 823RI-7				
Location:	Durham, NC			**Date:**	11/12 and 11/13
Weather:	Sunny			**Air Temp (°F):**	50s
Helium Detector Serial No.:	Dielectric Helium Detector 42585 (Field Environmental Instruments)			**Calibration Date:**	

Sample Information					
Sample Type				Soil Gas Implant	Soil Gas Implant
Sample ID	LFGP-6	LFGP-7	LFGP-8	LFGP-9	LFGP-10
Canister ID	6L0293	6L0881	6L1802	6L0653	6L2076
Regulator ID	24239	23683	N/A	23457	24886
Canister Volume (L)	6	6	6	6	6
Ambient Temp (°F)					
Barometric Pressure (inHg)					
Leak Test Information					
Purge Method	Personal Pump	Personal Pump	Personal Pump	Personal Pump	Personal Pump
He Concentration in Shroud (%)	15.7	15.3	15.4	16.9	16.8
He Detected in Leak Test (Y or N)	No	No	No	No	No
He Conc. Detected in Leak Test (ppm)	0	0	0	0	0
Percent of He in the Leak Test versus the Shroud	0.000%	0.000%	0.000%	0.000%	0.000%
Leak Test Passed (Yes/No)[1]	Yes	Yes	Yes	Yes	Yes

Purge Information															
Enter Construction Details →	0.17" ID Total Tubing (ft)	0.25" ID Total Tubing (in)	Sand Pack Interval (in)	0.17" ID Total Tubing (ft)	0.25" ID Total Tubing (in)	Sand Pack Interval (in)	0.17" ID Total Tubing (ft)	0.25" ID Total Tubing (in)	Sand Pack Interval (in)	0.17" ID Total Tubing (ft)	0.25" ID Total Tubing (in)	Sand Pack Interval (in)	0.17" ID Total Tubing (ft)	0.25" ID Total Tubing (in)	Sand Pack Interval (in)
	9	0	36	9	0	36	9	0	36	5	0	12	4	0	12
Sand Pack Interval Depth (in-bgs)	72	to	108	72	to	108	72	to	108	36	to	48	24	to	36
Volume (mL)	789			789			789			272			268		
Purge Flow Rate (mL/min)	200			200			200			200			200		
Purge Interval (3x Vol.) (min)	11.8			11.8			11.8			4.1			4.0		
Actual Purge Time (min)	12.0			12.0			12.0			4.0			4.0		

Sample Collection					
Start Time	12:45	12:58	09:34	09:51	09:41
Initial Vacuum (inHg)	30	30	28	26	27
End Time	13:35	13:58	10:40	10:46	10:43
Final Vacuum (inHg)	5	7	7	7	6
Approximate Total Time (min)	50	60	66	55	62
Sample Analysis	VOCs by TO-15	VOCs by TO-15	VOCs by TO-15	VOCs by TO-15	VOCs by TO-15

Sampler Information

Sampled by: Madison Allen Sampler Signature: Date: 11/13/2025

Notes:
1. Per the NCDEQ DWM VI Guidance dated March 2018, the helium concentration detected during the leak test shall not exceed 10% of the helium concentration in the shroud.
2. Dup-1 is taken t LFGP-2. Probes LFGP-6/7 sampled on 11/12/25, probes LFGP-8/9/10 sampled on 11/13/25

Revision Date: 5/3/18 11:30

SOIL VAPOR FIELD SAMPLING FORM

Project Name:	East End Park		
Project Number:	23050630 - 823RI-7		
Location:	Durham, NC	**Date:**	11/12/2025
Weather:	Sunny	**Air Temp (°F):**	50s
Helium Detector Serial No.:	Dielectric Helium Detector 42585 (Field Environmental Instruments)	**Calibration Date:**	

Sample Information					
Sample Type					
Sample ID	LFGP-DUP-01				
Canister ID	6L1624				
Regulator ID	24549				
Canister Volume (L)	6				
Ambient Temp (°F)					
Barometric Pressure (inHg)					
3					
Purge Method	Personal Pump	Personal Pump			
He Concentration in Shroud (%)	14.4				
He Detected in Leak Test (Y or N)	No	No			
He Conc. Detected in Leak Test (ppm)	0				
Percent of He in the Leak Test versus the Shroud	0.000%				
Leak Test Passed (Yes/No)[1]	Yes				

Purge Information															
Enter Construction Details →	0.17" ID Total Tubing (ft)	0.25" ID Total Tubing (in)	Sand Pack Interval (in)	0.17" ID Total Tubing (ft)	0.25" ID Total Tubing (in)	Sand Pack Interval (in)	0.17" ID Total Tubing (ft)	0.25" ID Total Tubing (in)	Sand Pack Interval (in)	0.17" ID Total Tubing (ft)	0.25" ID Total Tubing (in)	Sand Pack Interval (in)	0.17" ID Total Tubing (ft)	0.25" ID Total Tubing (in)	Sand Pack Interval (in)
	9	0	48					0			0			0	
Sand Pack Interval Depth (in-bgs)	72	to	120					to			to			to	
Volume (mL)	1039														
Purge Flow Rate (mL/min)	200														
Purge Interval (3x Vol.) (min)	15.6														
Actual Purge Time (min)	15.0														

Sample Collection				
Start Time	10:52			
Initial Vacuum (inHg)	28			
End Time	11:48			
Final Vacuum (inHg)	5			
Approximate Total Time (min)	56			
Sample Analysis	VOCs by TO-15	VOCs by TO-15		

Sampler Information

Sampled by: Madison Allen Sampler Signature: Madison Allen Date: 11/12/2025

Notes:
1. Per the NCDEQ DWM VI Guidance dated March 2018, the helium concentration detected during the leak test shall not exceed 10% of the helium concentration in the shroud.
2. Dup-1 is taken t LFGP-2.

GROUNDWATER SAMPLING FIELD DATA

Location:	East End Durham Park	Purge Date:	Monday, October 13, 2025
Project No.:	23050630BK	Purge Time:	1105
Source Well:	MW-1	Sample Date:	Monday, October 13, 2025
		Sample Time:	1125
Locked?:	Yes: x No:	Weather:	Overcast
Sampled By:	Melanie Juarez and Chase Porter	Air Temp:	62

Water Level & Well Data

Depth to water from measuring point:	5.08	feet
Depth to well bottom from measuring point:	56.89	feet
Height of water column:	51.81	feet
Measuring point:	Top of Casing 5.08	

Well Purging & Sample Collection

Purge Method GeoSub Pump
Sample Method GeoSub Pump
Purge Rate ml/min

Purge Time
Start 1105 Stop 1120

Sample Collection Time
Start 1125 Stop 1145

Volume of water in well
2" well:
height: 51.81 x .163 = 8.44503 Gallons 32.0 Liters
1125

Volume of water removed gallons liters x
1125

Was well purged dry Yes No x

Field Analyses

*Stabilization Parameters

Time	Date	Temp (*F)	pH	Conductivity (mS/cm)	*Turbidity (NTU)	DO (mg/L)	DTW	ORP
11:05	10/13/25	66.74	8.00	874.0				
11:10	10/13/25	66.40	8.04	676.0				
11:15	10/13/25	66.00	8.10	619.0				
11:20	10/13/25	65.80	8.06	619.0				
Final Readings								
		* F	units	mS/cm	NTU			

Temp	pH	Conductivity	*Turbidity	DO
0.5%	0.5%	22.7%	#DIV/0!	#DIV/0!
0.6%	0.7%	8.4%	#DIV/0!	#DIV/0!
0.3%	0.5%	0.0%	#DIV/0!	#DIV/0!
100.0%	100.0%	100.0%	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Analytical Data

Method	Container Type and No.	Preservation

Comments **101325-DUP1 was collected here.**

Sampler Signatures (1)
(2)

Location: East End Durham Park
Project No 23050630BK
Source W MW-2

Locked?: Yes: x No:
Sampled I Melanie J and Chase P.

Purge Dat Monday, October 13, 2025
Purge Tim 1220
Sample D Monday, October 13, 2025
Sample Ti 1235
Weather: Overcast
Air Temp: 62

Water Level & Well Data

Depth to water from measuring point: 11.77 feet
Depth to well bottom from measuring point: 26.61 feet
Height of water column: 14.84 feet
Measuring point: Top of Casing 11.77

Well Purging & Sample Collection

Purge Me GeoSub Pump
Sample M GeoSub Pump
Purge Rat ml/min

Purge Time
Start 1220 Stop 1230
Sample Collection Time
Start 1235 Stop 1255

Volume of water in well
2" well:
height: 14.84 x .163 = 2.41892 Gallons 9.2 Liters

Volume of water removed gallons liters x

Was well purged dry Yes No x

Field Analyses

*Stabilization Parameters

Time	Date	Temp (*F)	pH	Conductivity (mS/cm)	*Turbidity (NTU)	DO (mg/L)	DTW	ORP
12:20	10/13/25	67.10	7.49	628.000	90.00			
12:25	10/13/25	66.90	7.52	610.0	37.82			
12:30	10/13/25	66.70	7.47	612.0	23.10			
Final Readings								
		* F	units	mS/cm	NTU			

Temp	pH	Conductivit	*Turbidity	DO
0.3%	0.7%	0.3%	38.9%	#DIV/0!
100.0%	100.0%	100.0%	100.0%	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Analytical Data

Method	Container Type and No.	Preservation

Comments

Sampler Signatures (1)
(2)

GROUNDWATER SAMPLING FIELD DATA

Location: East End Durham Park
Project No: 23050630BK
Source W: MW-3
Locked?: Yes: x No:
Sampled B: Melanie J and Chase P.

Purge Dat: Monday, October 13, 2025
Purge Tim: 1310
Sample D: Monday, October 13, 2025
Sample Ti: 1330
Weather: Overcast
Air Temp: 62

Water Level & Well Data

Depth to water from measuring point: 5.08 feet
Depth to well bottom from measuring point: 56.89 feet
Height of water column: 51.81 feet
Measuring point: Top of Casing 5.08

Well Purging & Sample Collection

Purge Me: GeoSub Pump
Sample M: GeoSub Pump
Purge Rat: ml/min

Purge Time
Start 1310 Stop 1325
Sample Collection Time
Start 1330 Stop 1350

Volume of water in well
2" well:
height: 51.81 x .163 = 8.44503 Gallons 32.0 Liters

Volume of water removed gallons 1125 liters 1125 x

Was well purged dry Yes No x

Field Analyses

*Stabilization Parameters

Time	Date	Temp (*F)	pH	Conductivity (mS/cm)	*Turbidity (NTU)	DO (mg/L)	DTW	ORP
13:10	10/13/25	66.72	7.97	567.000	110.00			
13:15	10/13/25	66.74	8.00	566.0	120.00			
13:20	10/13/25	66.70	9.32	561.0	170.00			
13:25	10/13/25	66.90	9.51	534.0	120.30			
Final Readings								
		* F	units	mS/cm	NTU			

Temp	pH	Conductivit	*Turbidity	DO
0.1%	16.5%	0.9%	41.7%	#DIV/0!
0.3%	2.0%	4.8%	29.2%	#DIV/0!
100.0%	100.0%	100.0%	100.0%	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Analytical Data

Method	Container Type and No.	Preservation

Comments

Sampler Signatures (1) (2)

GROUNDWATER SAMPLING FIELD DATA

Location: East End Durham Park
Project No: 23050630BK
Source W: MW-4

Locked?: Yes: x No:
Sampled B: Melanie J and Chase P.

Purge Dat: Monday, October 13, 2025
Purge Tim: 1525
Sample D: Monday, October 13, 2025
Sample Ti: 1555
Weather: Overcast
Air Temp: 74

Water Level & Well Data

Depth to water from measuring point:	14.48	feet
Depth to well bottom from measuring point:	44.16	feet
Height of water column:	29.68	feet
Measuring point:	14.48	

Well Purging & Sample Collection

Purge Me: GeoSub Pump
Sample M: GeoSub Pump
Purge Rat: ml/min

Purge Time
Start 1525 Stop 1545
Sample Collection Time
Start 1555 Stop 1615

Volume of water in well
2" well:
height: 29.68 x .163 = 4.83784 Gallons 18.3 Liters

Volume of water removed gallons 1125 liters 1125 x

Was well purged dry Yes No x

Field Analyses

*Stabilization Parameters

Time	Date	Temp (*F)	pH	Conductivity (mS/cm)	*Turbidity (NTU)	DO (mg/L)	DTW	ORP
15:25	10/13/25	70.90	7.50	471.000	188.70			
15:30		69.60	8.46	314.0	207.00			
15:35		69.40	8.26	296.0	198.40			
15:40		69.36	8.55	282.0	140.80			
15:45		69.80	8.53	264.0	131.20			
Final Readings								
		* F	units	mS/cm	NTU			

Temp	pH	Conductivit	*Turbidity	DO
0.3%	2.4%	5.7%	4.2%	#DIV/0!
0.1%	3.5%	4.7%	29.0%	#DIV/0!
0.6%	0.2%	6.4%	6.8%	#DIV/0!
100.0%	100.0%	100.0%	100.0%	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Analytical Data

Method	Container Type and No.	Preservation

Comments

Sampler Signatures (1) (2)

GROUNDWATER SAMPLING FIELD DATA

Location: East End Durham Park
Project No: 23050630BK
Source Well: MW-5
Locked?: Yes: x No:
Sampled By: Melanie J and Chase P.

Purge Date: Tuesday, October 14, 2025
Purge Time: 1045
Sample Date: Tuesday, October 14, 2025
Sample Time: 1100
Weather: Overcast
Air Temp: 52

Water Level & Well Data

Depth to water from measuring point: 2.67 feet
Depth to well bottom from measuring point: 16.55 feet
Height of water column: 13.88 feet
Measuring point: Top of Casing

Well Purging & Sample Collection

Purge Method: GeoSub Pump
Sample Method: GeoSub Pump
Purge Rate: ml/min

Purge Time
Start 1045 Stop 1055

Sample Collection Time
Start 1100 Stop 1120

Volume of water in well
2" well:
height: 13.88 x .163 = 2.26244 Gallons 8.6 Liters

Volume of water removed gallons liters x
1125 1125

Was well purged dry Yes No x

Field Analyses

*Stabilization Parameters

Time	Date	Temp (*F)	pH	Conductivity (mS/cm)	*Turbidity (NTU)	DO (mg/L)	DTW	ORP
10:45	10/14/25	73.40	7.10	522.000	15.98			
10:50		73.00	6.82	480.0	3.31			
10:55		73.00	6.76	501.0	2.69			

Temp	pH	Conductivit	*Turbidity	DO
0.0%	0.9%	4.4%	18.7%	#DIV/0!
100.0%	100.0%	100.0%	100.0%	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Final Readings								
		* F	units	mS/cm	NTU			

Analytical Data

Method	Container Type and No.	Preservation

Comments

Sampler Signatures (1) (2)

GROUNDWATER SAMPLING FIELD DATA

Location: East End Durham Park
Project No: 23050630BK
Source W: MW-6

Locked?: Yes: x No:
Sampled B: Melanie J and Chase P.

Purge Dat: Monday, October 13, 2025
Purge Tim: 1420
Sample D: Monday, October 13, 2025
Sample Ti: 1445
Weather: Overcast
Air Temp: 62

Water Level & Well Data

Depth to water from measuring point: 9.61 feet
Depth to well bottom from measuring point: 19.60 feet
Height of water column: 9.99 feet
Measuring point: Top of Casing: 9.61

Well Purging & Sample Collection

Purge Me: GeoSub Pump
Sample M: GeoSub Pump
Purge Rat: ml/min

Purge Time
Start 1420 Stop 1440
Sample Collection Time
Start 1445 Stop 1505

Volume of water in well
2" well:
height: 9.99 x .163 = 1.62837 Gallons 6.2 Liters
1125

Volume of water removed gallons liters x
1125

Was well purged dry Yes No x

Field Analyses

*Stabilization Parameters

Time	Date	Temp (*F)	pH	Conductivity (mS/cm)	*Turbidity (NTU)	DO (mg/L)	DTW	ORP
14:20	10/13/25	68.90	8.28	1648.000	215.60			
14:25		67.30	6.98	1594.0	43.78			
14:30		67.30	6.97	1584.0	37.36			
14:35		67.70	6.97	1493.0	51.00			
14:40		67.60	6.97	1469.0	63.00			
Final Readings								
		* F	units	mS/cm	NTU			

Temp	pH	Conductivit	*Turbidity	DO
0.0%	0.1%	0.6%	14.7%	#DIV/0!
0.6%	0.0%	5.7%	36.5%	#DIV/0!
0.1%	0.0%	1.6%	23.5%	#DIV/0!
100.0%	100.0%	100.0%	100.0%	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Analytical Data

Method	Container Type and No.	Preservation

Comments

Sampler Signatures (1)
(2)

GROUNDWATER SAMPLING FIELD DATA

Location: East End Durham Park
Project No: 23050630BK
Source W: MW-7
Locked?: Yes: x No:
Sampled B: Melanie J and Chase P.

Purge Dat: Tuesday, October 14, 2025
Purge Tim: 910
Sample D: Tuesday, October 14, 2025
Sample Ti: 940
Weather: Overcast
Air Temp: 50

Water Level & Well Data

Depth to water from measuring point: 5.21 feet
Depth to well bottom from measuring point: 31.37 feet
Height of water column: 26.16 feet
Measuring point: Top of Casing

Well Purging & Sample Collection

Purge Me: GeoSub Pump
Sample M: GeoSub Pump
Purge Rat: ml/min

Purge Time
Start 910 Stop 935
Sample Collection Time
Start 940 Stop 1000

Volume of water in well
2" well:
height: 26.16 x .163 = 4.26408 Gallons 16.1 Liters

Volume of water removed gallons 1125 liters 1125 x

Was well purged dry Yes No x

Field Analyses

*Stabilization Parameters

Time	Date	Temp (*F)	pH	Conductivity (mS/cm)	*Turbidity (NTU)	DO (mg/L)	DTW	ORP
9:10	10/14/25	67.80	6.27	637.000	66.63			
9:15		67.60	7.11	617.0	48.36			
9:20		67.60	7.12	612.0	32.00			
9:25		67.80	7.05	610.0	31.53			
9:30		67.80	7.06	613.0	20.65			
9:35		67.80	7.10	608.0	25.30			
Final Readings								
		* F	units	mS/cm	NTU			

Temp	pH	Conductivit	*Turbidity	DO
0.0%	0.1%	0.8%	33.8%	#DIV/0!
0.3%	1.0%	0.3%	1.5%	#DIV/0!
0.0%	0.1%	0.5%	34.5%	#DIV/0!
0.0%	0.6%	0.8%	22.5%	#DIV/0!
100.0%	100.0%	100.0%	100.0%	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Analytical Data

Method	Container Type and No.	Preservation

Comments **101425-DUP1 was collected here.**

Sampler Signatures (1) (2)

GROUNDWATER SAMPLING FIELD DATA

Location: East End Durham Park
Project No: 23050630BK
Source W: MW-8
Locked?: Yes: x No:
Sampled B: Melanie J and Chase P.

Purge Dat: Monday, October 13, 2025
Purge Tim: 1700
Sample D: Monday, October 13, 2025
Sample Ti: 1720
Weather: Overcast
Air Temp: 62

Water Level & Well Data

Depth to water from measuring point: 15.03 feet
Depth to well bottom from measuring point: 56.60 feet
Height of water column: 41.57 feet
Measuring point: Top of Casing

Well Purging & Sample Collection

Purge Me: GeoSub Pump
Sample M: GeoSub Pump
Purge Rat: ml/min

Purge Time
Start 1700 Stop 1715
Sample Collection Time
Start 1720 Stop 1740

Volume of water in well
2" well:
height: 41.57 x .163 = 6.77591 Gallons 25.6 Liters

Volume of water removed gallons 1125 liters 1125 x

Was well purged dry Yes No x

Field Analyses

*Stabilization Parameters

Time	Date	Temp (*F)	pH	Conductivity (mS/cm)	*Turbidity (NTU)	DO (mg/L)	DTW	ORP
17:00	10/13/25	67.60	7.31	721.000	43.30			
17:05		66.70	7.34	740.0	31.21			
17:10		66.70	7.35	735.0	30.77			
17:15		65.70	7.16	742.0	34.17			
Final Readings								
		* F	units	mS/cm	NTU			

Temp	pH	Conductivit	*Turbidity	DO
0.0%	0.1%	0.7%	1.4%	#DIV/0!
1.5%	2.6%	1.0%	11.0%	#DIV/0!
100.0%	100.0%	100.0%	100.0%	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
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#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Analytical Data

Method	Container Type and No.	Preservation

Comments

Sampler Signatures (1) (2)

Appendix III – Laboratory Analytical Reports and COC

eurofins | Air Toxics

Analytical Report

12/4/2025
Mr. Logan Hester
S & ME, Inc.
3201 Spring Forest Road

Raleigh NC 27616

Project Name: Durham Parks
Project #: 65000581
Workorder #: 2511561A

Dear Mr. Logan Hester

The following report includes the data for the above referenced project for sample(s) received on 11/19/2025 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Brian Whittaker at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Brian Whittaker

Project Manager

eurofins | Air Toxics

WORK ORDER #: 2511561A

Work Order Summary

CLIENT:	Mr. Logan Hester S & ME, Inc. 3201 Spring Forest Road Raleigh, NC 27616	**BILL TO:**	Mr. Logan Hester S & ME, Inc. 3201 Spring Forest Road Raleigh, NC 27616
PHONE:	919-872-2660	**P.O. #**	
FAX:	919-790-8909	**PROJECT #**	65000581 Durham Parks
DATE RECEIVED:	11/19/2025	**CONTACT:**	Brian Whittaker
DATE COMPLETED:	12/04/2025		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	823-LFGP-1	TO-15	10.6 "Hg	1.9 psi
02A	823-LFGP-2	TO-15	9.8 "Hg	2 psi
03A	823-LFGP-3	TO-15	14.9 "Hg	1.9 psi
04A	823-LFGP-4	TO-15	9.2 "Hg	1.9 psi
05A	823-LFGP-5	TO-15	7.1 "Hg	2 psi
06A	823-LFGP-6	TO-15	11.6 "Hg	1.9 psi
07A	823-LFGP-7	TO-15	8.8 "Hg	1.9 psi
08A	823-LFGP-8	TO-15	7.8 "Hg	1.9 psi
09A	823-LFGP-9	TO-15	10.8 "Hg	1.9 psi
10A	823-LFGP-10	TO-15	9.4 "Hg	2 psi
11A	823-LFGP-DUP-01	TO-15	9.4 "Hg	1.9 psi
12A	Lab Blank	TO-15	NA	NA
12B	Lab Blank	TO-15	NA	NA
13A	CCV	TO-15	NA	NA
13B	CCV	TO-15	NA	NA
14A	LCS	TO-15	NA	NA
14AA	LCSD	TO-15	NA	NA
14B	LCS	TO-15	NA	NA
14BB	LCSD	TO-15	NA	NA

CERTIFIED BY: Heidi Hayes DATE: 12/04/25

Technical Director

Cert. No.: AZ Licensure-AZ0775, FL NELAP-E87680, LA NELAP–02089, MN NELAP-2836569, NH NELAP–209224-A, NJ NELAP-CA016, NY NELAP-11291, TX NELAP-T104704434, UT NELAP-CA009332023-16, VA NELAP-13180, WA NELAP-C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) CA300005-21
Eurofins Environment Testing Northern California, LLC certifies that the test results contained in this report meet all requirements of the 2016 TNI Standard.

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC.

LABORATORY NARRATIVE
EPA Method TO-15
S & ME, Inc.
Workorder# 2511561A

Eleven 6 Liter Summa Canister samples were received on November 19, 2025. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

All Quality Control Limit exceedances and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page.

Dilution was performed on sample 823-LFGP-5 due to matrix interference.

Definition of Data Qualifying Flags

Ten qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

M - Reported value may be biased due to apparent matrix interferences.

CN - See Case Narrative.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: 823-LFGP-1

Lab ID#: 2511561A-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Tetrachloroethene	0.88	1.4	5.9	9.4

Client Sample ID: 823-LFGP-2

Lab ID#: 2511561A-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.84	1.1	4.5	6.0
Tetrachloroethene	0.84	190	5.7	1300

Client Sample ID: 823-LFGP-3

Lab ID#: 2511561A-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Hexane	1.1	110	3.9	390
Heptane	1.1	31	4.6	120
Tetrachloroethene	1.1	1.2	7.6	8.0

Client Sample ID: 823-LFGP-4

Lab ID#: 2511561A-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Tetrachloroethene	0.82	41	5.5	280

Client Sample ID: 823-LFGP-5

Lab ID#: 2511561A-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Hexane	1.2	30	4.4	100
Cyclohexane	1.2	53	4.3	180
2,2,4-Trimethylpentane	1.2	12	5.8	54
Benzene	1.2	4.2	4.0	13
Heptane	1.2	11	5.1	45

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: 823-LFGP-5

Lab ID#: 2511561A-05A

Toluene	2.5	3.0	9.3	11
Ethyl Benzene	1.2	2.1	5.4	9.3
m,p-Xylene	2.5	3.7	11	16
o-Xylene	1.2	4.0	5.4	17
Cumene	1.2	2.5	6.1	12
4-Ethyltoluene	1.2	1.9	6.1	9.3
1,3,5-Trimethylbenzene	1.2	2.8	6.1	14
1,2,4-Trimethylbenzene	1.2	2.5	6.1	12

Client Sample ID: 823-LFGP-6

Lab ID#: 2511561A-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 113	0.92	12	7.0	90

Client Sample ID: 823-LFGP-7

Lab ID#: 2511561A-07A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Chloroform	0.80	1.6	3.9	7.6
Tetrachloroethene	0.80	1.0	5.4	7.0

Client Sample ID: 823-LFGP-8

Lab ID#: 2511561A-08A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 113	0.76	2.0	5.9	16
Hexane	0.76	2.9	2.7	10
Cyclohexane	0.76	2.1	2.6	7.3
2,2,4-Trimethylpentane	0.76	65	3.6	300
Benzene	0.76	4.8	2.4	15
Heptane	0.76	0.90	3.1	3.7

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: 823-LFGP-9

Lab ID#: 2511561A-09A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Ethanol	8.8	9.3	16	18
Freon 113	0.88	8.0	6.7	62

Client Sample ID: 823-LFGP-10

Lab ID#: 2511561A-10A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 113	0.82	6.9	6.3	53
Chloroform	0.82	1.8	4.0	8.8

Client Sample ID: 823-LFGP-DUP-01

Lab ID#: 2511561A-11A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.82	0.99	4.4	5.3
Tetrachloroethene	0.82	160	5.6	1100

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Client Sample ID: 823-LFGP-1

Lab ID#: 2511561A-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60120222**	**Date of Collection:**	**11/12/25 12:08:00 P**
Dil. Factor:	**1.75**	**Date of Analysis:**	**12/2/25 09:36 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.88	Not Detected	4.3	Not Detected
Freon 114	0.88	Not Detected	6.1	Not Detected
Chloromethane	8.8	Not Detected	18	Not Detected
Vinyl Chloride	0.88	Not Detected	2.2	Not Detected
1,3-Butadiene	0.88	Not Detected	1.9	Not Detected
Bromomethane	8.8	Not Detected	34	Not Detected
Chloroethane	3.5	Not Detected	9.2	Not Detected
Freon 11	0.88	Not Detected	4.9	Not Detected
Ethanol	8.8	Not Detected	16	Not Detected
Freon 113	0.88	Not Detected	6.7	Not Detected
1,1-Dichloroethene	0.88	Not Detected	3.5	Not Detected
Acetone	8.8	Not Detected	21	Not Detected
2-Propanol	3.5	Not Detected	8.6	Not Detected
Carbon Disulfide	3.5	Not Detected	11	Not Detected
3-Chloropropene	3.5	Not Detected	11	Not Detected
Methylene Chloride	8.8	Not Detected	30	Not Detected
Methyl tert-butyl ether	3.5	Not Detected	13	Not Detected
trans-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected
Hexane	0.88	Not Detected	3.1	Not Detected
1,1-Dichloroethane	0.88	Not Detected	3.5	Not Detected
2-Butanone (Methyl Ethyl Ketone)	3.5	Not Detected	10	Not Detected
cis-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected
Tetrahydrofuran	0.88	Not Detected	2.6	Not Detected
Chloroform	0.88	Not Detected	4.3	Not Detected
1,1,1-Trichloroethane	0.88	Not Detected	4.8	Not Detected
Cyclohexane	0.88	Not Detected	3.0	Not Detected
Carbon Tetrachloride	0.88	Not Detected	5.5	Not Detected
2,2,4-Trimethylpentane	0.88	Not Detected	4.1	Not Detected
Benzene	0.88	Not Detected	2.8	Not Detected
1,2-Dichloroethane	0.88	Not Detected	3.5	Not Detected
Heptane	0.88	Not Detected	3.6	Not Detected
Trichloroethene	0.88	Not Detected	4.7	Not Detected
1,2-Dichloropropane	0.88	Not Detected	4.0	Not Detected
1,4-Dioxane	3.5	Not Detected	13	Not Detected
Bromodichloromethane	0.88	Not Detected	5.9	Not Detected
cis-1,3-Dichloropropene	0.88	Not Detected	4.0	Not Detected
4-Methyl-2-pentanone	0.88	Not Detected	3.6	Not Detected
Toluene	1.8	Not Detected	6.6	Not Detected
trans-1,3-Dichloropropene	0.88	Not Detected	4.0	Not Detected
1,1,2-Trichloroethane	0.88	Not Detected	4.8	Not Detected
Tetrachloroethene	0.88	1.4	5.9	9.4
2-Hexanone	3.5	Not Detected	14	Not Detected

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Client Sample ID: 823-LFGP-1

Lab ID#: 2511561A-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60120222**	**Date of Collection:**	**11/12/25 12:08:00 P**
Dil. Factor:	**1.75**	**Date of Analysis:**	**12/2/25 09:36 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.88	Not Detected	7.4	Not Detected
1,2-Dibromoethane (EDB)	0.88	Not Detected	6.7	Not Detected
Chlorobenzene	0.88	Not Detected	4.0	Not Detected
Ethyl Benzene	0.88	Not Detected	3.8	Not Detected
m,p-Xylene	1.8	Not Detected	7.6	Not Detected
o-Xylene	0.88	Not Detected	3.8	Not Detected
Styrene	0.88	Not Detected	3.7	Not Detected
Bromoform	0.88	Not Detected	9.0	Not Detected
Cumene	0.88	Not Detected	4.3	Not Detected
1,1,2,2-Tetrachloroethane	0.88	Not Detected	6.0	Not Detected
Propylbenzene	0.88	Not Detected	4.3	Not Detected
4-Ethyltoluene	0.88	Not Detected	4.3	Not Detected
1,3,5-Trimethylbenzene	0.88	Not Detected	4.3	Not Detected
1,2,4-Trimethylbenzene	0.88	Not Detected	4.3	Not Detected
1,3-Dichlorobenzene	0.88	Not Detected	5.3	Not Detected
1,4-Dichlorobenzene	0.88	Not Detected	5.3	Not Detected
alpha-Chlorotoluene	0.88	Not Detected	4.5	Not Detected
1,2-Dichlorobenzene	0.88	Not Detected	5.3	Not Detected
1,2,4-Trichlorobenzene	3.5	Not Detected	26	Not Detected
Hexachlorobutadiene	3.5	Not Detected	37	Not Detected
Naphthalene	1.8	Not Detected	9.2	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	116	70-130
1,2-Dichloroethane-d4	106	70-130
4-Bromofluorobenzene	111	70-130

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Client Sample ID: 823-LFGP-2

Lab ID#: 2511561A-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60120223**	**Date of Collection:**	**11/12/25 11:48:00 A**
Dil. Factor:	**1.69**	**Date of Analysis:**	**12/2/25 10:07 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.84	Not Detected	4.2	Not Detected
Freon 114	0.84	Not Detected	5.9	Not Detected
Chloromethane	8.4	Not Detected	17	Not Detected
Vinyl Chloride	0.84	Not Detected	2.2	Not Detected
1,3-Butadiene	0.84	Not Detected	1.9	Not Detected
Bromomethane	8.4	Not Detected	33	Not Detected
Chloroethane	3.4	Not Detected	8.9	Not Detected
Freon 11	0.84	Not Detected	4.7	Not Detected
Ethanol	8.4	Not Detected	16	Not Detected
Freon 113	0.84	Not Detected	6.5	Not Detected
1,1-Dichloroethene	0.84	Not Detected	3.4	Not Detected
Acetone	8.4	Not Detected	20	Not Detected
2-Propanol	3.4	Not Detected	8.3	Not Detected
Carbon Disulfide	3.4	Not Detected	10	Not Detected
3-Chloropropene	3.4	Not Detected	10	Not Detected
Methylene Chloride	8.4	Not Detected	29	Not Detected
Methyl tert-butyl ether	3.4	Not Detected	12	Not Detected
trans-1,2-Dichloroethene	0.84	Not Detected	3.4	Not Detected
Hexane	0.84	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.84	Not Detected	3.4	Not Detected
2-Butanone (Methyl Ethyl Ketone)	3.4	Not Detected	10	Not Detected
cis-1,2-Dichloroethene	0.84	Not Detected	3.4	Not Detected
Tetrahydrofuran	0.84	Not Detected	2.5	Not Detected
Chloroform	0.84	Not Detected	4.1	Not Detected
1,1,1-Trichloroethane	0.84	Not Detected	4.6	Not Detected
Cyclohexane	0.84	Not Detected	2.9	Not Detected
Carbon Tetrachloride	0.84	Not Detected	5.3	Not Detected
2,2,4-Trimethylpentane	0.84	Not Detected	3.9	Not Detected
Benzene	0.84	Not Detected	2.7	Not Detected
1,2-Dichloroethane	0.84	Not Detected	3.4	Not Detected
Heptane	0.84	Not Detected	3.5	Not Detected
Trichloroethene	0.84	1.1	4.5	6.0
1,2-Dichloropropane	0.84	Not Detected	3.9	Not Detected
1,4-Dioxane	3.4	Not Detected	12	Not Detected
Bromodichloromethane	0.84	Not Detected	5.7	Not Detected
cis-1,3-Dichloropropene	0.84	Not Detected	3.8	Not Detected
4-Methyl-2-pentanone	0.84	Not Detected	3.5	Not Detected
Toluene	1.7	Not Detected	6.4	Not Detected
trans-1,3-Dichloropropene	0.84	Not Detected	3.8	Not Detected
1,1,2-Trichloroethane	0.84	Not Detected	4.6	Not Detected
Tetrachloroethene	0.84	190	5.7	1300
2-Hexanone	3.4	Not Detected	14	Not Detected

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Client Sample ID: 823-LFGP-2

Lab ID#: 2511561A-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60120223**	**Date of Collection:**	**11/12/25 11:48:00 A**
Dil. Factor:	**1.69**	**Date of Analysis:**	**12/2/25 10:07 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.84	Not Detected	7.2	Not Detected
1,2-Dibromoethane (EDB)	0.84	Not Detected	6.5	Not Detected
Chlorobenzene	0.84	Not Detected	3.9	Not Detected
Ethyl Benzene	0.84	Not Detected	3.7	Not Detected
m,p-Xylene	1.7	Not Detected	7.3	Not Detected
o-Xylene	0.84	Not Detected	3.7	Not Detected
Styrene	0.84	Not Detected	3.6	Not Detected
Bromoform	0.84	Not Detected	8.7	Not Detected
Cumene	0.84	Not Detected	4.2	Not Detected
1,1,2,2-Tetrachloroethane	0.84	Not Detected	5.8	Not Detected
Propylbenzene	0.84	Not Detected	4.2	Not Detected
4-Ethyltoluene	0.84	Not Detected	4.2	Not Detected
1,3,5-Trimethylbenzene	0.84	Not Detected	4.2	Not Detected
1,2,4-Trimethylbenzene	0.84	Not Detected	4.2	Not Detected
1,3-Dichlorobenzene	0.84	Not Detected	5.1	Not Detected
1,4-Dichlorobenzene	0.84	Not Detected	5.1	Not Detected
alpha-Chlorotoluene	0.84	Not Detected	4.4	Not Detected
1,2-Dichlorobenzene	0.84	Not Detected	5.1	Not Detected
1,2,4-Trichlorobenzene	3.4	Not Detected	25	Not Detected
Hexachlorobutadiene	3.4	Not Detected	36	Not Detected
Naphthalene	1.7	Not Detected	8.8	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	114	70-130
1,2-Dichloroethane-d4	106	70-130
4-Bromofluorobenzene	112	70-130

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Client Sample ID: 823-LFGP-3

Lab ID#: 2511561A-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60120224**	**Date of Collection:**	**11/12/25 12:32:00 P**
Dil. Factor:	**2.24**	**Date of Analysis:**	**12/2/25 10:39 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.1	Not Detected	5.5	Not Detected
Freon 114	1.1	Not Detected	7.8	Not Detected
Chloromethane	11	Not Detected	23	Not Detected
Vinyl Chloride	1.1	Not Detected	2.9	Not Detected
1,3-Butadiene	1.1	Not Detected	2.5	Not Detected
Bromomethane	11	Not Detected	43	Not Detected
Chloroethane	4.5	Not Detected	12	Not Detected
Freon 11	1.1	Not Detected	6.3	Not Detected
Ethanol	11	Not Detected	21	Not Detected
Freon 113	1.1	Not Detected	8.6	Not Detected
1,1-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Acetone	11	Not Detected	27	Not Detected
2-Propanol	4.5	Not Detected	11	Not Detected
Carbon Disulfide	4.5	Not Detected	14	Not Detected
3-Chloropropene	4.5	Not Detected	14	Not Detected
Methylene Chloride	11	Not Detected	39	Not Detected
Methyl tert-butyl ether	4.5	Not Detected	16	Not Detected
trans-1,2-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Hexane	1.1	110	3.9	390
1,1-Dichloroethane	1.1	Not Detected	4.5	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.5	Not Detected	13	Not Detected
cis-1,2-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Tetrahydrofuran	1.1	Not Detected	3.3	Not Detected
Chloroform	1.1	Not Detected	5.5	Not Detected
1,1,1-Trichloroethane	1.1	Not Detected	6.1	Not Detected
Cyclohexane	1.1	Not Detected	3.8	Not Detected
Carbon Tetrachloride	1.1	Not Detected	7.0	Not Detected
2,2,4-Trimethylpentane	1.1	Not Detected	5.2	Not Detected
Benzene	1.1	Not Detected	3.6	Not Detected
1,2-Dichloroethane	1.1	Not Detected	4.5	Not Detected
Heptane	1.1	31	4.6	120
Trichloroethene	1.1	Not Detected	6.0	Not Detected
1,2-Dichloropropane	1.1	Not Detected	5.2	Not Detected
1,4-Dioxane	4.5	Not Detected	16	Not Detected
Bromodichloromethane	1.1	Not Detected	7.5	Not Detected
cis-1,3-Dichloropropene	1.1	Not Detected	5.1	Not Detected
4-Methyl-2-pentanone	1.1	Not Detected	4.6	Not Detected
Toluene	2.2	Not Detected	8.4	Not Detected
trans-1,3-Dichloropropene	1.1	Not Detected	5.1	Not Detected
1,1,2-Trichloroethane	1.1	Not Detected	6.1	Not Detected
Tetrachloroethene	1.1	1.2	7.6	8.0
2-Hexanone	4.5	Not Detected	18	Not Detected

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Client Sample ID: 823-LFGP-3

Lab ID#: 2511561A-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60120224**	**Date of Collection:**	**11/12/25 12:32:00 P**
Dil. Factor:	**2.24**	**Date of Analysis:**	**12/2/25 10:39 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.1	Not Detected	9.5	Not Detected
1,2-Dibromoethane (EDB)	1.1	Not Detected	8.6	Not Detected
Chlorobenzene	1.1	Not Detected	5.2	Not Detected
Ethyl Benzene	1.1	Not Detected	4.9	Not Detected
m,p-Xylene	2.2	Not Detected	9.7	Not Detected
o-Xylene	1.1	Not Detected	4.9	Not Detected
Styrene	1.1	Not Detected	4.8	Not Detected
Bromoform	1.1	Not Detected	12	Not Detected
Cumene	1.1	Not Detected	5.5	Not Detected
1,1,2,2-Tetrachloroethane	1.1	Not Detected	7.7	Not Detected
Propylbenzene	1.1	Not Detected	5.5	Not Detected
4-Ethyltoluene	1.1	Not Detected	5.5	Not Detected
1,3,5-Trimethylbenzene	1.1	Not Detected	5.5	Not Detected
1,2,4-Trimethylbenzene	1.1	Not Detected	5.5	Not Detected
1,3-Dichlorobenzene	1.1	Not Detected	6.7	Not Detected
1,4-Dichlorobenzene	1.1	Not Detected	6.7	Not Detected
alpha-Chlorotoluene	1.1	Not Detected	5.8	Not Detected
1,2-Dichlorobenzene	1.1	Not Detected	6.7	Not Detected
1,2,4-Trichlorobenzene	4.5	Not Detected	33	Not Detected
Hexachlorobutadiene	4.5	Not Detected	48	Not Detected
Naphthalene	2.2	Not Detected	12	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	117	70-130
1,2-Dichloroethane-d4	104	70-130
4-Bromofluorobenzene	105	70-130

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Client Sample ID: 823-LFGP-4

Lab ID#: 2511561A-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60120225**	**Date of Collection:**	**11/12/25 12:39:00 P**
Dil. Factor:	**1.63**	**Date of Analysis:**	**12/2/25 11:10 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.82	Not Detected	4.0	Not Detected
Freon 114	0.82	Not Detected	5.7	Not Detected
Chloromethane	8.2	Not Detected	17	Not Detected
Vinyl Chloride	0.82	Not Detected	2.1	Not Detected
1,3-Butadiene	0.82	Not Detected	1.8	Not Detected
Bromomethane	8.2	Not Detected	32	Not Detected
Chloroethane	3.3	Not Detected	8.6	Not Detected
Freon 11	0.82	Not Detected	4.6	Not Detected
Ethanol	8.2	Not Detected	15	Not Detected
Freon 113	0.82	Not Detected	6.2	Not Detected
1,1-Dichloroethene	0.82	Not Detected	3.2	Not Detected
Acetone	8.2	Not Detected	19	Not Detected
2-Propanol	3.3	Not Detected	8.0	Not Detected
Carbon Disulfide	3.3	Not Detected	10	Not Detected
3-Chloropropene	3.3	Not Detected	10	Not Detected
Methylene Chloride	8.2	Not Detected	28	Not Detected
Methyl tert-butyl ether	3.3	Not Detected	12	Not Detected
trans-1,2-Dichloroethene	0.82	Not Detected	3.2	Not Detected
Hexane	0.82	Not Detected	2.9	Not Detected
1,1-Dichloroethane	0.82	Not Detected	3.3	Not Detected
2-Butanone (Methyl Ethyl Ketone)	3.3	Not Detected	9.6	Not Detected
cis-1,2-Dichloroethene	0.82	Not Detected	3.2	Not Detected
Tetrahydrofuran	0.82	Not Detected	2.4	Not Detected
Chloroform	0.82	Not Detected	4.0	Not Detected
1,1,1-Trichloroethane	0.82	Not Detected	4.4	Not Detected
Cyclohexane	0.82	Not Detected	2.8	Not Detected
Carbon Tetrachloride	0.82	Not Detected	5.1	Not Detected
2,2,4-Trimethylpentane	0.82	Not Detected	3.8	Not Detected
Benzene	0.82	Not Detected	2.6	Not Detected
1,2-Dichloroethane	0.82	Not Detected	3.3	Not Detected
Heptane	0.82	Not Detected	3.3	Not Detected
Trichloroethene	0.82	Not Detected	4.4	Not Detected
1,2-Dichloropropane	0.82	Not Detected	3.8	Not Detected
1,4-Dioxane	3.3	Not Detected	12	Not Detected
Bromodichloromethane	0.82	Not Detected	5.5	Not Detected
cis-1,3-Dichloropropene	0.82	Not Detected	3.7	Not Detected
4-Methyl-2-pentanone	0.82	Not Detected	3.3	Not Detected
Toluene	1.6	Not Detected	6.1	Not Detected
trans-1,3-Dichloropropene	0.82	Not Detected	3.7	Not Detected
1,1,2-Trichloroethane	0.82	Not Detected	4.4	Not Detected
Tetrachloroethene	0.82	41	5.5	280
2-Hexanone	3.3	Not Detected	13	Not Detected

eurofins | Air Toxics

Client Sample ID: 823-LFGP-4

Lab ID#: 2511561A-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60120225**	**Date of Collection:**	**11/12/25 12:39:00 P**
Dil. Factor:	**1.63**	**Date of Analysis:**	**12/2/25 11:10 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.82	Not Detected	6.9	Not Detected
1,2-Dibromoethane (EDB)	0.82	Not Detected	6.3	Not Detected
Chlorobenzene	0.82	Not Detected	3.8	Not Detected
Ethyl Benzene	0.82	Not Detected	3.5	Not Detected
m,p-Xylene	1.6	Not Detected	7.1	Not Detected
o-Xylene	0.82	Not Detected	3.5	Not Detected
Styrene	0.82	Not Detected	3.5	Not Detected
Bromoform	0.82	Not Detected	8.4	Not Detected
Cumene	0.82	Not Detected	4.0	Not Detected
1,1,2,2-Tetrachloroethane	0.82	Not Detected	5.6	Not Detected
Propylbenzene	0.82	Not Detected	4.0	Not Detected
4-Ethyltoluene	0.82	Not Detected	4.0	Not Detected
1,3,5-Trimethylbenzene	0.82	Not Detected	4.0	Not Detected
1,2,4-Trimethylbenzene	0.82	Not Detected	4.0	Not Detected
1,3-Dichlorobenzene	0.82	Not Detected	4.9	Not Detected
1,4-Dichlorobenzene	0.82	Not Detected	4.9	Not Detected
alpha-Chlorotoluene	0.82	Not Detected	4.2	Not Detected
1,2-Dichlorobenzene	0.82	Not Detected	4.9	Not Detected
1,2,4-Trichlorobenzene	3.3	Not Detected	24	Not Detected
Hexachlorobutadiene	3.3	Not Detected	35	Not Detected
Naphthalene	1.6	Not Detected	8.5	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	116	70-130
1,2-Dichloroethane-d4	103	70-130
4-Bromofluorobenzene	111	70-130

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Client Sample ID: 823-LFGP-5

Lab ID#: 2511561A-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60120226**	**Date of Collection:**	**11/12/25 1:30:00 PM**
Dil. Factor:	**2.48**	**Date of Analysis:**	**12/2/25 11:41 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.2	Not Detected	6.1	Not Detected
Freon 114	1.2	Not Detected	8.7	Not Detected
Chloromethane	12	Not Detected	26	Not Detected
Vinyl Chloride	1.2	Not Detected	3.2	Not Detected
1,3-Butadiene	1.2	Not Detected	2.7	Not Detected
Bromomethane	12	Not Detected	48	Not Detected
Chloroethane	5.0	Not Detected	13	Not Detected
Freon 11	1.2	Not Detected	7.0	Not Detected
Ethanol	12	Not Detected	23	Not Detected
Freon 113	1.2	Not Detected	9.5	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.9	Not Detected
Acetone	12	Not Detected	29	Not Detected
2-Propanol	5.0	Not Detected	12	Not Detected
Carbon Disulfide	5.0	Not Detected	15	Not Detected
3-Chloropropene	5.0	Not Detected	16	Not Detected
Methylene Chloride	12	Not Detected	43	Not Detected
Methyl tert-butyl ether	5.0	Not Detected	18	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.9	Not Detected
Hexane	1.2	30	4.4	100
1,1-Dichloroethane	1.2	Not Detected	5.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	5.0	Not Detected	15	Not Detected
cis-1,2-Dichloroethene	1.2	Not Detected	4.9	Not Detected
Tetrahydrofuran	1.2	Not Detected	3.6	Not Detected
Chloroform	1.2	Not Detected	6.0	Not Detected
1,1,1-Trichloroethane	1.2	Not Detected	6.8	Not Detected
Cyclohexane	1.2	53	4.3	180
Carbon Tetrachloride	1.2	Not Detected	7.8	Not Detected
2,2,4-Trimethylpentane	1.2	12	5.8	54
Benzene	1.2	4.2	4.0	13
1,2-Dichloroethane	1.2	Not Detected	5.0	Not Detected
Heptane	1.2	11	5.1	45
Trichloroethene	1.2	Not Detected	6.7	Not Detected
1,2-Dichloropropane	1.2	Not Detected	5.7	Not Detected
1,4-Dioxane	5.0	Not Detected	18	Not Detected
Bromodichloromethane	1.2	Not Detected	8.3	Not Detected
cis-1,3-Dichloropropene	1.2	Not Detected	5.6	Not Detected
4-Methyl-2-pentanone	1.2	Not Detected	5.1	Not Detected
Toluene	2.5	3.0	9.3	11
trans-1,3-Dichloropropene	1.2	Not Detected	5.6	Not Detected
1,1,2-Trichloroethane	1.2	Not Detected	6.8	Not Detected
Tetrachloroethene	1.2	Not Detected	8.4	Not Detected
2-Hexanone	5.0	Not Detected	20	Not Detected

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Client Sample ID: 823-LFGP-5

Lab ID#: 2511561A-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60120226**	**Date of Collection:**	**11/12/25 1:30:00 PM**
Dil. Factor:	**2.48**	**Date of Analysis:**	**12/2/25 11:41 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.2	Not Detected	10	Not Detected
1,2-Dibromoethane (EDB)	1.2	Not Detected	9.5	Not Detected
Chlorobenzene	1.2	Not Detected	5.7	Not Detected
Ethyl Benzene	1.2	2.1	5.4	9.3
m,p-Xylene	2.5	3.7	11	16
o-Xylene	1.2	4.0	5.4	17
Styrene	1.2	Not Detected	5.3	Not Detected
Bromoform	1.2	Not Detected	13	Not Detected
Cumene	1.2	2.5	6.1	12
1,1,2,2-Tetrachloroethane	1.2	Not Detected	8.5	Not Detected
Propylbenzene	1.2	Not Detected	6.1	Not Detected
4-Ethyltoluene	1.2	1.9	6.1	9.3
1,3,5-Trimethylbenzene	1.2	2.8	6.1	14
1,2,4-Trimethylbenzene	1.2	2.5	6.1	12
1,3-Dichlorobenzene	1.2	Not Detected	7.4	Not Detected
1,4-Dichlorobenzene	1.2	Not Detected	7.4	Not Detected
alpha-Chlorotoluene	1.2	Not Detected	6.4	Not Detected
1,2-Dichlorobenzene	1.2	Not Detected	7.4	Not Detected
1,2,4-Trichlorobenzene	5.0	Not Detected	37	Not Detected
Hexachlorobutadiene	5.0	Not Detected	53	Not Detected
Naphthalene	2.5	Not Detected	13	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	109	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: 823-LFGP-6

Lab ID#: 2511561A-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60120308**	**Date of Collection:**	**11/12/25 1:35:00 PM**
Dil. Factor:	**1.84**	**Date of Analysis:**	**12/3/25 04:12 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.92	Not Detected	4.5	Not Detected
Freon 114	0.92	Not Detected	6.4	Not Detected
Chloromethane	9.2	Not Detected	19	Not Detected
Vinyl Chloride	0.92	Not Detected	2.4	Not Detected
1,3-Butadiene	0.92	Not Detected	2.0	Not Detected
Bromomethane	9.2	Not Detected	36	Not Detected
Chloroethane	3.7	Not Detected	9.7	Not Detected
Freon 11	0.92	Not Detected	5.2	Not Detected
Ethanol	9.2	Not Detected	17	Not Detected
Freon 113	0.92	12	7.0	90
1,1-Dichloroethene	0.92	Not Detected	3.6	Not Detected
Acetone	9.2	Not Detected	22	Not Detected
2-Propanol	3.7	Not Detected	9.0	Not Detected
Carbon Disulfide	3.7	Not Detected	11	Not Detected
3-Chloropropene	3.7	Not Detected	12	Not Detected
Methylene Chloride	9.2	Not Detected	32	Not Detected
Methyl tert-butyl ether	3.7	Not Detected	13	Not Detected
trans-1,2-Dichloroethene	0.92	Not Detected	3.6	Not Detected
Hexane	0.92	Not Detected	3.2	Not Detected
1,1-Dichloroethane	0.92	Not Detected	3.7	Not Detected
2-Butanone (Methyl Ethyl Ketone)	3.7	Not Detected	11	Not Detected
cis-1,2-Dichloroethene	0.92	Not Detected	3.6	Not Detected
Tetrahydrofuran	0.92	Not Detected	2.7	Not Detected
Chloroform	0.92	Not Detected	4.5	Not Detected
1,1,1-Trichloroethane	0.92	Not Detected	5.0	Not Detected
Cyclohexane	0.92	Not Detected	3.2	Not Detected
Carbon Tetrachloride	0.92	Not Detected	5.8	Not Detected
2,2,4-Trimethylpentane	0.92	Not Detected	4.3	Not Detected
Benzene	0.92	Not Detected	2.9	Not Detected
1,2-Dichloroethane	0.92	Not Detected	3.7	Not Detected
Heptane	0.92	Not Detected	3.8	Not Detected
Trichloroethene	0.92	Not Detected	4.9	Not Detected
1,2-Dichloropropane	0.92	Not Detected	4.2	Not Detected
1,4-Dioxane	3.7	Not Detected	13	Not Detected
Bromodichloromethane	0.92	Not Detected	6.2	Not Detected
cis-1,3-Dichloropropene	0.92	Not Detected	4.2	Not Detected
4-Methyl-2-pentanone	0.92	Not Detected	3.8	Not Detected
Toluene	1.8	Not Detected	6.9	Not Detected
trans-1,3-Dichloropropene	0.92	Not Detected	4.2	Not Detected
1,1,2-Trichloroethane	0.92	Not Detected	5.0	Not Detected
Tetrachloroethene	0.92	Not Detected	6.2	Not Detected
2-Hexanone	3.7	Not Detected	15	Not Detected

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Client Sample ID: 823-LFGP-6

Lab ID#: 2511561A-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60120308**	**Date of Collection:**	**11/12/25 1:35:00 PM**
Dil. Factor:	**1.84**	**Date of Analysis:**	**12/3/25 04:12 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.92	Not Detected	7.8	Not Detected
1,2-Dibromoethane (EDB)	0.92	Not Detected	7.1	Not Detected
Chlorobenzene	0.92	Not Detected	4.2	Not Detected
Ethyl Benzene	0.92	Not Detected	4.0	Not Detected
m,p-Xylene	1.8	Not Detected	8.0	Not Detected
o-Xylene	0.92	Not Detected	4.0	Not Detected
Styrene	0.92	Not Detected	3.9	Not Detected
Bromoform	0.92	Not Detected	9.5	Not Detected
Cumene	0.92	Not Detected	4.5	Not Detected
1,1,2,2-Tetrachloroethane	0.92	Not Detected	6.3	Not Detected
Propylbenzene	0.92	Not Detected	4.5	Not Detected
4-Ethyltoluene	0.92	Not Detected	4.5	Not Detected
1,3,5-Trimethylbenzene	0.92	Not Detected	4.5	Not Detected
1,2,4-Trimethylbenzene	0.92	Not Detected	4.5	Not Detected
1,3-Dichlorobenzene	0.92	Not Detected	5.5	Not Detected
1,4-Dichlorobenzene	0.92	Not Detected	5.5	Not Detected
alpha-Chlorotoluene	0.92	Not Detected	4.8	Not Detected
1,2-Dichlorobenzene	0.92	Not Detected	5.5	Not Detected
1,2,4-Trichlorobenzene	3.7	Not Detected	27	Not Detected
Hexachlorobutadiene	3.7	Not Detected	39	Not Detected
Naphthalene	1.8	Not Detected	9.6	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	115	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: 823-LFGP-7

Lab ID#: 2511561A-07A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60120309**	**Date of Collection:**	**11/12/25 1:58:00 PM**
Dil. Factor:	**1.60**	**Date of Analysis:**	**12/3/25 04:56 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.80	Not Detected	4.0	Not Detected
Freon 114	0.80	Not Detected	5.6	Not Detected
Chloromethane	8.0	Not Detected	16	Not Detected
Vinyl Chloride	0.80	Not Detected	2.0	Not Detected
1,3-Butadiene	0.80	Not Detected	1.8	Not Detected
Bromomethane	8.0	Not Detected	31	Not Detected
Chloroethane	3.2	Not Detected	8.4	Not Detected
Freon 11	0.80	Not Detected	4.5	Not Detected
Ethanol	8.0	Not Detected	15	Not Detected
Freon 113	0.80	Not Detected	6.1	Not Detected
1,1-Dichloroethene	0.80	Not Detected	3.2	Not Detected
Acetone	8.0	Not Detected	19	Not Detected
2-Propanol	3.2	Not Detected	7.9	Not Detected
Carbon Disulfide	3.2	Not Detected	10	Not Detected
3-Chloropropene	3.2	Not Detected	10	Not Detected
Methylene Chloride	8.0	Not Detected	28	Not Detected
Methyl tert-butyl ether	3.2	Not Detected	12	Not Detected
trans-1,2-Dichloroethene	0.80	Not Detected	3.2	Not Detected
Hexane	0.80	Not Detected	2.8	Not Detected
1,1-Dichloroethane	0.80	Not Detected	3.2	Not Detected
2-Butanone (Methyl Ethyl Ketone)	3.2	Not Detected	9.4	Not Detected
cis-1,2-Dichloroethene	0.80	Not Detected	3.2	Not Detected
Tetrahydrofuran	0.80	Not Detected	2.4	Not Detected
Chloroform	0.80	1.6	3.9	7.6
1,1,1-Trichloroethane	0.80	Not Detected	4.4	Not Detected
Cyclohexane	0.80	Not Detected	2.8	Not Detected
Carbon Tetrachloride	0.80	Not Detected	5.0	Not Detected
2,2,4-Trimethylpentane	0.80	Not Detected	3.7	Not Detected
Benzene	0.80	Not Detected	2.6	Not Detected
1,2-Dichloroethane	0.80	Not Detected	3.2	Not Detected
Heptane	0.80	Not Detected	3.3	Not Detected
Trichloroethene	0.80	Not Detected	4.3	Not Detected
1,2-Dichloropropane	0.80	Not Detected	3.7	Not Detected
1,4-Dioxane	3.2	Not Detected	12	Not Detected
Bromodichloromethane	0.80	Not Detected	5.4	Not Detected
cis-1,3-Dichloropropene	0.80	Not Detected	3.6	Not Detected
4-Methyl-2-pentanone	0.80	Not Detected	3.3	Not Detected
Toluene	1.6	Not Detected	6.0	Not Detected
trans-1,3-Dichloropropene	0.80	Not Detected	3.6	Not Detected
1,1,2-Trichloroethane	0.80	Not Detected	4.4	Not Detected
Tetrachloroethene	0.80	1.0	5.4	7.0
2-Hexanone	3.2	Not Detected	13	Not Detected

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Client Sample ID: 823-LFGP-7

Lab ID#: 2511561A-07A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60120309**	**Date of Collection:**	**11/12/25 1:58:00 PM**
Dil. Factor:	**1.60**	**Date of Analysis:**	**12/3/25 04:56 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.80	Not Detected	6.8	Not Detected
1,2-Dibromoethane (EDB)	0.80	Not Detected	6.1	Not Detected
Chlorobenzene	0.80	Not Detected	3.7	Not Detected
Ethyl Benzene	0.80	Not Detected	3.5	Not Detected
m,p-Xylene	1.6	Not Detected	6.9	Not Detected
o-Xylene	0.80	Not Detected	3.5	Not Detected
Styrene	0.80	Not Detected	3.4	Not Detected
Bromoform	0.80	Not Detected	8.3	Not Detected
Cumene	0.80	Not Detected	3.9	Not Detected
1,1,2,2-Tetrachloroethane	0.80	Not Detected	5.5	Not Detected
Propylbenzene	0.80	Not Detected	3.9	Not Detected
4-Ethyltoluene	0.80	Not Detected	3.9	Not Detected
1,3,5-Trimethylbenzene	0.80	Not Detected	3.9	Not Detected
1,2,4-Trimethylbenzene	0.80	Not Detected	3.9	Not Detected
1,3-Dichlorobenzene	0.80	Not Detected	4.8	Not Detected
1,4-Dichlorobenzene	0.80	Not Detected	4.8	Not Detected
alpha-Chlorotoluene	0.80	Not Detected	4.1	Not Detected
1,2-Dichlorobenzene	0.80	Not Detected	4.8	Not Detected
1,2,4-Trichlorobenzene	3.2	Not Detected	24	Not Detected
Hexachlorobutadiene	3.2	Not Detected	34	Not Detected
Naphthalene	1.6	Not Detected	8.4	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	122	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: 823-LFGP-8

Lab ID#: 2511561A-08A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60120310**	**Date of Collection:**	**11/13/25 10:40:00 A**
Dil. Factor:	**1.53**	**Date of Analysis:**	**12/3/25 05:28 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.76	Not Detected	3.8	Not Detected
Freon 114	0.76	Not Detected	5.3	Not Detected
Chloromethane	7.6	Not Detected	16	Not Detected
Vinyl Chloride	0.76	Not Detected	2.0	Not Detected
1,3-Butadiene	0.76	Not Detected	1.7	Not Detected
Bromomethane	7.6	Not Detected	30	Not Detected
Chloroethane	3.1	Not Detected	8.1	Not Detected
Freon 11	0.76	Not Detected	4.3	Not Detected
Ethanol	7.6	Not Detected	14	Not Detected
Freon 113	0.76	2.0	5.9	16
1,1-Dichloroethene	0.76	Not Detected	3.0	Not Detected
Acetone	7.6	Not Detected	18	Not Detected
2-Propanol	3.1	Not Detected	7.5	Not Detected
Carbon Disulfide	3.1	Not Detected	9.5	Not Detected
3-Chloropropene	3.1	Not Detected	9.6	Not Detected
Methylene Chloride	7.6	Not Detected	26	Not Detected
Methyl tert-butyl ether	3.1	Not Detected	11	Not Detected
trans-1,2-Dichloroethene	0.76	Not Detected	3.0	Not Detected
Hexane	0.76	2.9	2.7	10
1,1-Dichloroethane	0.76	Not Detected	3.1	Not Detected
2-Butanone (Methyl Ethyl Ketone)	3.1	Not Detected	9.0	Not Detected
cis-1,2-Dichloroethene	0.76	Not Detected	3.0	Not Detected
Tetrahydrofuran	0.76	Not Detected	2.2	Not Detected
Chloroform	0.76	Not Detected	3.7	Not Detected
1,1,1-Trichloroethane	0.76	Not Detected	4.2	Not Detected
Cyclohexane	0.76	2.1	2.6	7.3
Carbon Tetrachloride	0.76	Not Detected	4.8	Not Detected
2,2,4-Trimethylpentane	0.76	65	3.6	300
Benzene	0.76	4.8	2.4	15
1,2-Dichloroethane	0.76	Not Detected	3.1	Not Detected
Heptane	0.76	0.90	3.1	3.7
Trichloroethene	0.76	Not Detected	4.1	Not Detected
1,2-Dichloropropane	0.76	Not Detected	3.5	Not Detected
1,4-Dioxane	3.1	Not Detected	11	Not Detected
Bromodichloromethane	0.76	Not Detected	5.1	Not Detected
cis-1,3-Dichloropropene	0.76	Not Detected	3.5	Not Detected
4-Methyl-2-pentanone	0.76	Not Detected	3.1	Not Detected
Toluene	1.5	Not Detected	5.8	Not Detected
trans-1,3-Dichloropropene	0.76	Not Detected	3.5	Not Detected
1,1,2-Trichloroethane	0.76	Not Detected	4.2	Not Detected
Tetrachloroethene	0.76	Not Detected	5.2	Not Detected
2-Hexanone	3.1	Not Detected	12	Not Detected

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Client Sample ID: 823-LFGP-8

Lab ID#: 2511561A-08A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60120310**	**Date of Collection:**	**11/13/25 10:40:00 A**
Dil. Factor:	**1.53**	**Date of Analysis:**	**12/3/25 05:28 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.76	Not Detected	6.5	Not Detected
1,2-Dibromoethane (EDB)	0.76	Not Detected	5.9	Not Detected
Chlorobenzene	0.76	Not Detected	3.5	Not Detected
Ethyl Benzene	0.76	Not Detected	3.3	Not Detected
m,p-Xylene	1.5	Not Detected	6.6	Not Detected
o-Xylene	0.76	Not Detected	3.3	Not Detected
Styrene	0.76	Not Detected	3.2	Not Detected
Bromoform	0.76	Not Detected	7.9	Not Detected
Cumene	0.76	Not Detected	3.8	Not Detected
1,1,2,2-Tetrachloroethane	0.76	Not Detected	5.2	Not Detected
Propylbenzene	0.76	Not Detected	3.8	Not Detected
4-Ethyltoluene	0.76	Not Detected	3.8	Not Detected
1,3,5-Trimethylbenzene	0.76	Not Detected	3.8	Not Detected
1,2,4-Trimethylbenzene	0.76	Not Detected	3.8	Not Detected
1,3-Dichlorobenzene	0.76	Not Detected	4.6	Not Detected
1,4-Dichlorobenzene	0.76	Not Detected	4.6	Not Detected
alpha-Chlorotoluene	0.76	Not Detected	4.0	Not Detected
1,2-Dichlorobenzene	0.76	Not Detected	4.6	Not Detected
1,2,4-Trichlorobenzene	3.1	Not Detected	23	Not Detected
Hexachlorobutadiene	3.1	Not Detected	33	Not Detected
Naphthalene	1.5	Not Detected	8.0	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	117	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: 823-LFGP-9

Lab ID#: 2511561A-09A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60120311**	**Date of Collection:**	**11/13/25 10:46:00 A**
Dil. Factor:	**1.76**	**Date of Analysis:**	**12/3/25 05:59 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.88	Not Detected	4.4	Not Detected
Freon 114	0.88	Not Detected	6.2	Not Detected
Chloromethane	8.8	Not Detected	18	Not Detected
Vinyl Chloride	0.88	Not Detected	2.2	Not Detected
1,3-Butadiene	0.88	Not Detected	1.9	Not Detected
Bromomethane	8.8	Not Detected	34	Not Detected
Chloroethane	3.5	Not Detected	9.3	Not Detected
Freon 11	0.88	Not Detected	4.9	Not Detected
Ethanol	8.8	9.3	16	18
Freon 113	0.88	8.0	6.7	62
1,1-Dichloroethene	0.88	Not Detected	3.5	Not Detected
Acetone	8.8	Not Detected	21	Not Detected
2-Propanol	3.5	Not Detected	8.6	Not Detected
Carbon Disulfide	3.5	Not Detected	11	Not Detected
3-Chloropropene	3.5	Not Detected	11	Not Detected
Methylene Chloride	8.8	Not Detected	30	Not Detected
Methyl tert-butyl ether	3.5	Not Detected	13	Not Detected
trans-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected
Hexane	0.88	Not Detected	3.1	Not Detected
1,1-Dichloroethane	0.88	Not Detected	3.6	Not Detected
2-Butanone (Methyl Ethyl Ketone)	3.5	Not Detected	10	Not Detected
cis-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected
Tetrahydrofuran	0.88	Not Detected	2.6	Not Detected
Chloroform	0.88	Not Detected	4.3	Not Detected
1,1,1-Trichloroethane	0.88	Not Detected	4.8	Not Detected
Cyclohexane	0.88	Not Detected	3.0	Not Detected
Carbon Tetrachloride	0.88	Not Detected	5.5	Not Detected
2,2,4-Trimethylpentane	0.88	Not Detected	4.1	Not Detected
Benzene	0.88	Not Detected	2.8	Not Detected
1,2-Dichloroethane	0.88	Not Detected	3.6	Not Detected
Heptane	0.88	Not Detected	3.6	Not Detected
Trichloroethene	0.88	Not Detected	4.7	Not Detected
1,2-Dichloropropane	0.88	Not Detected	4.1	Not Detected
1,4-Dioxane	3.5	Not Detected	13	Not Detected
Bromodichloromethane	0.88	Not Detected	5.9	Not Detected
cis-1,3-Dichloropropene	0.88	Not Detected	4.0	Not Detected
4-Methyl-2-pentanone	0.88	Not Detected	3.6	Not Detected
Toluene	1.8	Not Detected	6.6	Not Detected
trans-1,3-Dichloropropene	0.88	Not Detected	4.0	Not Detected
1,1,2-Trichloroethane	0.88	Not Detected	4.8	Not Detected
Tetrachloroethene	0.88	Not Detected	6.0	Not Detected
2-Hexanone	3.5	Not Detected	14	Not Detected

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Client Sample ID: 823-LFGP-9

Lab ID#: 2511561A-09A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60120311**	**Date of Collection:**	**11/13/25 10:46:00 A**
Dil. Factor:	**1.76**	**Date of Analysis:**	**12/3/25 05:59 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.88	Not Detected	7.5	Not Detected
1,2-Dibromoethane (EDB)	0.88	Not Detected	6.8	Not Detected
Chlorobenzene	0.88	Not Detected	4.0	Not Detected
Ethyl Benzene	0.88	Not Detected	3.8	Not Detected
m,p-Xylene	1.8	Not Detected	7.6	Not Detected
o-Xylene	0.88	Not Detected	3.8	Not Detected
Styrene	0.88	Not Detected	3.7	Not Detected
Bromoform	0.88	Not Detected	9.1	Not Detected
Cumene	0.88	Not Detected	4.3	Not Detected
1,1,2,2-Tetrachloroethane	0.88	Not Detected	6.0	Not Detected
Propylbenzene	0.88	Not Detected	4.3	Not Detected
4-Ethyltoluene	0.88	Not Detected	4.3	Not Detected
1,3,5-Trimethylbenzene	0.88	Not Detected	4.3	Not Detected
1,2,4-Trimethylbenzene	0.88	Not Detected	4.3	Not Detected
1,3-Dichlorobenzene	0.88	Not Detected	5.3	Not Detected
1,4-Dichlorobenzene	0.88	Not Detected	5.3	Not Detected
alpha-Chlorotoluene	0.88	Not Detected	4.6	Not Detected
1,2-Dichlorobenzene	0.88	Not Detected	5.3	Not Detected
1,2,4-Trichlorobenzene	3.5	Not Detected	26	Not Detected
Hexachlorobutadiene	3.5	Not Detected	38	Not Detected
Naphthalene	1.8	Not Detected	9.2	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	118	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: 823-LFGP-10

Lab ID#: 2511561A-10A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60120312**	**Date of Collection:**	**11/13/25 10:43:00 A**
Dil. Factor:	**1.65**	**Date of Analysis:**	**12/3/25 06:31 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.82	Not Detected	4.1	Not Detected
Freon 114	0.82	Not Detected	5.8	Not Detected
Chloromethane	8.2	Not Detected	17	Not Detected
Vinyl Chloride	0.82	Not Detected	2.1	Not Detected
1,3-Butadiene	0.82	Not Detected	1.8	Not Detected
Bromomethane	8.2	Not Detected	32	Not Detected
Chloroethane	3.3	Not Detected	8.7	Not Detected
Freon 11	0.82	Not Detected	4.6	Not Detected
Ethanol	8.2	Not Detected	16	Not Detected
Freon 113	0.82	6.9	6.3	53
1,1-Dichloroethene	0.82	Not Detected	3.3	Not Detected
Acetone	8.2	Not Detected	20	Not Detected
2-Propanol	3.3	Not Detected	8.1	Not Detected
Carbon Disulfide	3.3	Not Detected	10	Not Detected
3-Chloropropene	3.3	Not Detected	10	Not Detected
Methylene Chloride	8.2	Not Detected	29	Not Detected
Methyl tert-butyl ether	3.3	Not Detected	12	Not Detected
trans-1,2-Dichloroethene	0.82	Not Detected	3.3	Not Detected
Hexane	0.82	Not Detected	2.9	Not Detected
1,1-Dichloroethane	0.82	Not Detected	3.3	Not Detected
2-Butanone (Methyl Ethyl Ketone)	3.3	Not Detected	9.7	Not Detected
cis-1,2-Dichloroethene	0.82	Not Detected	3.3	Not Detected
Tetrahydrofuran	0.82	Not Detected	2.4	Not Detected
Chloroform	0.82	1.8	4.0	8.8
1,1,1-Trichloroethane	0.82	Not Detected	4.5	Not Detected
Cyclohexane	0.82	Not Detected	2.8	Not Detected
Carbon Tetrachloride	0.82	Not Detected	5.2	Not Detected
2,2,4-Trimethylpentane	0.82	Not Detected	3.8	Not Detected
Benzene	0.82	Not Detected	2.6	Not Detected
1,2-Dichloroethane	0.82	Not Detected	3.3	Not Detected
Heptane	0.82	Not Detected	3.4	Not Detected
Trichloroethene	0.82	Not Detected	4.4	Not Detected
1,2-Dichloropropane	0.82	Not Detected	3.8	Not Detected
1,4-Dioxane	3.3	Not Detected	12	Not Detected
Bromodichloromethane	0.82	Not Detected	5.5	Not Detected
cis-1,3-Dichloropropene	0.82	Not Detected	3.7	Not Detected
4-Methyl-2-pentanone	0.82	Not Detected	3.4	Not Detected
Toluene	1.6	Not Detected	6.2	Not Detected
trans-1,3-Dichloropropene	0.82	Not Detected	3.7	Not Detected
1,1,2-Trichloroethane	0.82	Not Detected	4.5	Not Detected
Tetrachloroethene	0.82	Not Detected	5.6	Not Detected
2-Hexanone	3.3	Not Detected	14	Not Detected

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Client Sample ID: 823-LFGP-10

Lab ID#: 2511561A-10A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60120312**	**Date of Collection:**	**11/13/25 10:43:00 A**
Dil. Factor:	**1.65**	**Date of Analysis:**	**12/3/25 06:31 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.82	Not Detected	7.0	Not Detected
1,2-Dibromoethane (EDB)	0.82	Not Detected	6.3	Not Detected
Chlorobenzene	0.82	Not Detected	3.8	Not Detected
Ethyl Benzene	0.82	Not Detected	3.6	Not Detected
m,p-Xylene	1.6	Not Detected	7.2	Not Detected
o-Xylene	0.82	Not Detected	3.6	Not Detected
Styrene	0.82	Not Detected	3.5	Not Detected
Bromoform	0.82	Not Detected	8.5	Not Detected
Cumene	0.82	Not Detected	4.0	Not Detected
1,1,2,2-Tetrachloroethane	0.82	Not Detected	5.7	Not Detected
Propylbenzene	0.82	Not Detected	4.0	Not Detected
4-Ethyltoluene	0.82	Not Detected	4.0	Not Detected
1,3,5-Trimethylbenzene	0.82	Not Detected	4.0	Not Detected
1,2,4-Trimethylbenzene	0.82	Not Detected	4.0	Not Detected
1,3-Dichlorobenzene	0.82	Not Detected	5.0	Not Detected
1,4-Dichlorobenzene	0.82	Not Detected	5.0	Not Detected
alpha-Chlorotoluene	0.82	Not Detected	4.3	Not Detected
1,2-Dichlorobenzene	0.82	Not Detected	5.0	Not Detected
1,2,4-Trichlorobenzene	3.3	Not Detected	24	Not Detected
Hexachlorobutadiene	3.3	Not Detected	35	Not Detected
Naphthalene	1.6	Not Detected	8.6	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	121	70-130
4-Bromofluorobenzene	97	70-130

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Client Sample ID: 823-LFGP-DUP-01

Lab ID#: 2511561A-11A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60120313**	**Date of Collection:**	**11/12/25 11:48:00 A**
Dil. Factor:	**1.64**	**Date of Analysis:**	**12/3/25 07:02 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.82	Not Detected	4.0	Not Detected
Freon 114	0.82	Not Detected	5.7	Not Detected
Chloromethane	8.2	Not Detected	17	Not Detected
Vinyl Chloride	0.82	Not Detected	2.1	Not Detected
1,3-Butadiene	0.82	Not Detected	1.8	Not Detected
Bromomethane	8.2	Not Detected	32	Not Detected
Chloroethane	3.3	Not Detected	8.6	Not Detected
Freon 11	0.82	Not Detected	4.6	Not Detected
Ethanol	8.2	Not Detected	15	Not Detected
Freon 113	0.82	Not Detected	6.3	Not Detected
1,1-Dichloroethene	0.82	Not Detected	3.2	Not Detected
Acetone	8.2	Not Detected	19	Not Detected
2-Propanol	3.3	Not Detected	8.1	Not Detected
Carbon Disulfide	3.3	Not Detected	10	Not Detected
3-Chloropropene	3.3	Not Detected	10	Not Detected
Methylene Chloride	8.2	Not Detected	28	Not Detected
Methyl tert-butyl ether	3.3	Not Detected	12	Not Detected
trans-1,2-Dichloroethene	0.82	Not Detected	3.2	Not Detected
Hexane	0.82	Not Detected	2.9	Not Detected
1,1-Dichloroethane	0.82	Not Detected	3.3	Not Detected
2-Butanone (Methyl Ethyl Ketone)	3.3	Not Detected	9.7	Not Detected
cis-1,2-Dichloroethene	0.82	Not Detected	3.2	Not Detected
Tetrahydrofuran	0.82	Not Detected	2.4	Not Detected
Chloroform	0.82	Not Detected	4.0	Not Detected
1,1,1-Trichloroethane	0.82	Not Detected	4.5	Not Detected
Cyclohexane	0.82	Not Detected	2.8	Not Detected
Carbon Tetrachloride	0.82	Not Detected	5.2	Not Detected
2,2,4-Trimethylpentane	0.82	Not Detected	3.8	Not Detected
Benzene	0.82	Not Detected	2.6	Not Detected
1,2-Dichloroethane	0.82	Not Detected	3.3	Not Detected
Heptane	0.82	Not Detected	3.4	Not Detected
Trichloroethene	0.82	0.99	4.4	5.3
1,2-Dichloropropane	0.82	Not Detected	3.8	Not Detected
1,4-Dioxane	3.3	Not Detected	12	Not Detected
Bromodichloromethane	0.82	Not Detected	5.5	Not Detected
cis-1,3-Dichloropropene	0.82	Not Detected	3.7	Not Detected
4-Methyl-2-pentanone	0.82	Not Detected	3.4	Not Detected
Toluene	1.6	Not Detected	6.2	Not Detected
trans-1,3-Dichloropropene	0.82	Not Detected	3.7	Not Detected
1,1,2-Trichloroethane	0.82	Not Detected	4.5	Not Detected
Tetrachloroethene	0.82	160	5.6	1100
2-Hexanone	3.3	Not Detected	13	Not Detected

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Client Sample ID: 823-LFGP-DUP-01

Lab ID#: 2511561A-11A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60120313**	**Date of Collection:**	**11/12/25 11:48:00 A**
Dil. Factor:	**1.64**	**Date of Analysis:**	**12/3/25 07:02 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.82	Not Detected	7.0	Not Detected
1,2-Dibromoethane (EDB)	0.82	Not Detected	6.3	Not Detected
Chlorobenzene	0.82	Not Detected	3.8	Not Detected
Ethyl Benzene	0.82	Not Detected	3.6	Not Detected
m,p-Xylene	1.6	Not Detected	7.1	Not Detected
o-Xylene	0.82	Not Detected	3.6	Not Detected
Styrene	0.82	Not Detected	3.5	Not Detected
Bromoform	0.82	Not Detected	8.5	Not Detected
Cumene	0.82	Not Detected	4.0	Not Detected
1,1,2,2-Tetrachloroethane	0.82	Not Detected	5.6	Not Detected
Propylbenzene	0.82	Not Detected	4.0	Not Detected
4-Ethyltoluene	0.82	Not Detected	4.0	Not Detected
1,3,5-Trimethylbenzene	0.82	Not Detected	4.0	Not Detected
1,2,4-Trimethylbenzene	0.82	Not Detected	4.0	Not Detected
1,3-Dichlorobenzene	0.82	Not Detected	4.9	Not Detected
1,4-Dichlorobenzene	0.82	Not Detected	4.9	Not Detected
alpha-Chlorotoluene	0.82	Not Detected	4.2	Not Detected
1,2-Dichlorobenzene	0.82	Not Detected	4.9	Not Detected
1,2,4-Trichlorobenzene	3.3	Not Detected	24	Not Detected
Hexachlorobutadiene	3.3	Not Detected	35	Not Detected
Naphthalene	1.6	Not Detected	8.6	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	122	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: Lab Blank

Lab ID#: 2511561A-12A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60120206**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/2/25 10:27 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	5.0	Not Detected	10	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Bromomethane	5.0	Not Detected	19	Not Detected
Chloroethane	2.0	Not Detected	5.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	5.0	Not Detected	9.4	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	5.0	Not Detected	12	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	2.0	Not Detected	6.2	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
Methylene Chloride	5.0	Not Detected	17	Not Detected
Methyl tert-butyl ether	2.0	Not Detected	7.2	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	Not Detected	5.9	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	1.0	Not Detected	3.8	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected

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Client Sample ID: Lab Blank

Lab ID#: 2511561A-12A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60120206**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/2/25 10:27 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	1.0	Not Detected	4.3	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected
Naphthalene	1.0	Not Detected	5.2	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	110	70-130
1,2-Dichloroethane-d4	104	70-130
4-Bromofluorobenzene	111	70-130

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Client Sample ID: Lab Blank

Lab ID#: 2511561A-12B

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60120306**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/3/25 01:59 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	5.0	Not Detected	10	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Bromomethane	5.0	Not Detected	19	Not Detected
Chloroethane	2.0	Not Detected	5.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	5.0	Not Detected	9.4	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	5.0	Not Detected	12	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	2.0	Not Detected	6.2	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
Methylene Chloride	5.0	Not Detected	17	Not Detected
Methyl tert-butyl ether	2.0	Not Detected	7.2	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	Not Detected	5.9	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	1.0	Not Detected	3.8	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected

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Client Sample ID: Lab Blank

Lab ID#: 2511561A-12B

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60120306**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/3/25 01:59 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	1.0	Not Detected	4.3	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected
Naphthalene	1.0	Not Detected	5.2	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	116	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: CCV

Lab ID#: 2511561A-13A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60120203**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 12/2/25 08:54 AM**

Compound	%Recovery
Freon 12	109
Freon 114	106
Chloromethane	109
Vinyl Chloride	104
1,3-Butadiene	104
Bromomethane	105
Chloroethane	104
Freon 11	102
Ethanol	96
Freon 113	105
1,1-Dichloroethene	104
Acetone	105
2-Propanol	95
Carbon Disulfide	104
3-Chloropropene	108
Methylene Chloride	100
Methyl tert-butyl ether	111
trans-1,2-Dichloroethene	106
Hexane	106
1,1-Dichloroethane	111
2-Butanone (Methyl Ethyl Ketone)	111
cis-1,2-Dichloroethene	106
Tetrahydrofuran	110
Chloroform	109
1,1,1-Trichloroethane	108
Cyclohexane	119
Carbon Tetrachloride	99
2,2,4-Trimethylpentane	109
Benzene	114
1,2-Dichloroethane	102
Heptane	114
Trichloroethene	117
1,2-Dichloropropane	110
1,4-Dioxane	109
Bromodichloromethane	112
cis-1,3-Dichloropropene	114
4-Methyl-2-pentanone	112
Toluene	115
trans-1,3-Dichloropropene	117
1,1,2-Trichloroethane	123
Tetrachloroethene	115
2-Hexanone	116

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Client Sample ID: CCV

Lab ID#: 2511561A-13A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60120203**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 12/2/25 08:54 AM**

Compound	%Recovery
Dibromochloromethane	108
1,2-Dibromoethane (EDB)	120
Chlorobenzene	110
Ethyl Benzene	121
m,p-Xylene	122
o-Xylene	126
Styrene	130
Bromoform	120
Cumene	128
1,1,2,2-Tetrachloroethane	115
Propylbenzene	118
4-Ethyltoluene	123
1,3,5-Trimethylbenzene	116
1,2,4-Trimethylbenzene	120
1,3-Dichlorobenzene	116
1,4-Dichlorobenzene	115
alpha-Chlorotoluene	124
1,2-Dichlorobenzene	112
1,2,4-Trichlorobenzene	130
Hexachlorobutadiene	104
Naphthalene	106

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	114	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	107	70-130

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Client Sample ID: CCV

Lab ID#: 2511561A-13B

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60120303**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 12/3/25 12:25 PM**

Compound	%Recovery
Freon 12	116
Freon 114	104
Chloromethane	119
Vinyl Chloride	115
1,3-Butadiene	120
Bromomethane	106
Chloroethane	119
Freon 11	113
Ethanol	108
Freon 113	107
1,1-Dichloroethene	112
Acetone	124
2-Propanol	110
Carbon Disulfide	106
3-Chloropropene	114
Methylene Chloride	116
Methyl tert-butyl ether	117
trans-1,2-Dichloroethene	112
Hexane	124
1,1-Dichloroethane	113
2-Butanone (Methyl Ethyl Ketone)	117
cis-1,2-Dichloroethene	120
Tetrahydrofuran	124
Chloroform	117
1,1,1-Trichloroethane	118
Cyclohexane	126
Carbon Tetrachloride	117
2,2,4-Trimethylpentane	129
Benzene	103
1,2-Dichloroethane	100
Heptane	101
Trichloroethene	109
1,2-Dichloropropane	110
1,4-Dioxane	102
Bromodichloromethane	98
cis-1,3-Dichloropropene	100
4-Methyl-2-pentanone	109
Toluene	104
trans-1,3-Dichloropropene	99
1,1,2-Trichloroethane	106
Tetrachloroethene	95
2-Hexanone	108

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Client Sample ID: CCV

Lab ID#: 2511561A-13B

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60120303**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 12/3/25 12:25 PM**

Compound	%Recovery
Dibromochloromethane	102
1,2-Dibromoethane (EDB)	113
Chlorobenzene	108
Ethyl Benzene	114
m,p-Xylene	115
o-Xylene	120
Styrene	125
Bromoform	103
Cumene	123
1,1,2,2-Tetrachloroethane	101
Propylbenzene	108
4-Ethyltoluene	111
1,3,5-Trimethylbenzene	112
1,2,4-Trimethylbenzene	114
1,3-Dichlorobenzene	100
1,4-Dichlorobenzene	102
alpha-Chlorotoluene	112
1,2-Dichlorobenzene	99
1,2,4-Trichlorobenzene	117
Hexachlorobutadiene	99
Naphthalene	106

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	108	70-130
4-Bromofluorobenzene	99	70-130

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Client Sample ID: LCS

Lab ID#: 2511561A-14A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60120204**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/2/25 09:25 AM**	

Compound	%Recovery	Method Limits
Freon 12	109	70-130
Freon 114	104	70-130
Chloromethane	107	70-130
Vinyl Chloride	104	70-130
1,3-Butadiene	102	70-130
Bromomethane	106	70-130
Chloroethane	106	70-130
Freon 11	101	70-130
Ethanol	79	70-130
Freon 113	102	70-130
1,1-Dichloroethene	103	70-130
Acetone	103	70-130
2-Propanol	99	70-130
Carbon Disulfide	93	70-130
3-Chloropropene	107	70-130
Methylene Chloride	88	70-130
Methyl tert-butyl ether	98	70-130
trans-1,2-Dichloroethene	96	70-130
Hexane	94	70-130
1,1-Dichloroethane	114	70-130
2-Butanone (Methyl Ethyl Ketone)	100	70-130
cis-1,2-Dichloroethene	104	70-130
Tetrahydrofuran	97	70-130
Chloroform	96	70-130
1,1,1-Trichloroethane	108	70-130
Cyclohexane	105	70-130
Carbon Tetrachloride	99	70-130
2,2,4-Trimethylpentane	98	70-130
Benzene	103	70-130
1,2-Dichloroethane	90	70-130
Heptane	102	70-130
Trichloroethene	103	70-130
1,2-Dichloropropane	99	70-130
1,4-Dioxane	98	70-130
Bromodichloromethane	116	70-130
cis-1,3-Dichloropropene	118	70-130
4-Methyl-2-pentanone	103	70-130
Toluene	104	70-130
trans-1,3-Dichloropropene	121	70-130
1,1,2-Trichloroethane	126	70-130
Tetrachloroethene	101	70-130
2-Hexanone	106	70-130

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Client Sample ID: LCS

Lab ID#: 2511561A-14A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60120204**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/2/25 09:25 AM**	

Compound	%Recovery	Method Limits
Dibromochloromethane	113	70-130
1,2-Dibromoethane (EDB)	124	70-130
Chlorobenzene	99	70-130
Ethyl Benzene	109	70-130
m,p-Xylene	112	70-130
o-Xylene	117	70-130
Styrene	134 Q	70-130
Bromoform	124	70-130
Cumene	117	70-130
1,1,2,2-Tetrachloroethane	119	70-130
Propylbenzene	124	70-130
4-Ethyltoluene	130	70-130
1,3,5-Trimethylbenzene	120	70-130
1,2,4-Trimethylbenzene	122	70-130
1,3-Dichlorobenzene	116	70-130
1,4-Dichlorobenzene	116	70-130
alpha-Chlorotoluene	130	70-130
1,2-Dichlorobenzene	116	70-130
1,2,4-Trichlorobenzene	116	70-130
Hexachlorobutadiene	90	70-130
Naphthalene	103	60-140

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	115	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	114	70-130

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Client Sample ID: LCSD

Lab ID#: 2511561A-14AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60120205**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/2/25 09:56 AM**	

Compound	%Recovery	Method Limits
Freon 12	109	70-130
Freon 114	103	70-130
Chloromethane	107	70-130
Vinyl Chloride	103	70-130
1,3-Butadiene	102	70-130
Bromomethane	104	70-130
Chloroethane	105	70-130
Freon 11	100	70-130
Ethanol	83	70-130
Freon 113	102	70-130
1,1-Dichloroethene	103	70-130
Acetone	103	70-130
2-Propanol	102	70-130
Carbon Disulfide	93	70-130
3-Chloropropene	106	70-130
Methylene Chloride	88	70-130
Methyl tert-butyl ether	98	70-130
trans-1,2-Dichloroethene	97	70-130
Hexane	94	70-130
1,1-Dichloroethane	100	70-130
2-Butanone (Methyl Ethyl Ketone)	103	70-130
cis-1,2-Dichloroethene	103	70-130
Tetrahydrofuran	98	70-130
Chloroform	95	70-130
1,1,1-Trichloroethane	108	70-130
Cyclohexane	106	70-130
Carbon Tetrachloride	98	70-130
2,2,4-Trimethylpentane	99	70-130
Benzene	101	70-130
1,2-Dichloroethane	88	70-130
Heptane	101	70-130
Trichloroethene	101	70-130
1,2-Dichloropropane	98	70-130
1,4-Dioxane	96	70-130
Bromodichloromethane	117	70-130
cis-1,3-Dichloropropene	116	70-130
4-Methyl-2-pentanone	100	70-130
Toluene	101	70-130
trans-1,3-Dichloropropene	123	70-130
1,1,2-Trichloroethane	126	70-130
Tetrachloroethene	102	70-130
2-Hexanone	106	70-130

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Client Sample ID: LCSD

Lab ID#: 2511561A-14AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60120205**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/2/25 09:56 AM**	

Compound	%Recovery	Method Limits
Dibromochloromethane	115	70-130
1,2-Dibromoethane (EDB)	123	70-130
Chlorobenzene	99	70-130
Ethyl Benzene	110	70-130
m,p-Xylene	111	70-130
o-Xylene	111	70-130
Styrene	129	70-130
Bromoform	116	70-130
Cumene	114	70-130
1,1,2,2-Tetrachloroethane	124	70-130
Propylbenzene	129	70-130
4-Ethyltoluene	130	70-130
1,3,5-Trimethylbenzene	124	70-130
1,2,4-Trimethylbenzene	127	70-130
1,3-Dichlorobenzene	118	70-130
1,4-Dichlorobenzene	117	70-130
alpha-Chlorotoluene	133 Q	70-130
1,2-Dichlorobenzene	118	70-130
1,2,4-Trichlorobenzene	119	70-130
Hexachlorobutadiene	92	70-130
Naphthalene	111	60-140

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	109	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	116	70-130

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Client Sample ID: LCS

Lab ID#: 2511561A-14B

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60120304**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/3/25 12:56 PM**	

Compound	%Recovery	Method Limits
Freon 12	113	70-130
Freon 114	103	70-130
Chloromethane	114	70-130
Vinyl Chloride	110	70-130
1,3-Butadiene	116	70-130
Bromomethane	105	70-130
Chloroethane	116	70-130
Freon 11	110	70-130
Ethanol	89	70-130
Freon 113	104	70-130
1,1-Dichloroethene	109	70-130
Acetone	118	70-130
2-Propanol	106	70-130
Carbon Disulfide	94	70-130
3-Chloropropene	109	70-130
Methylene Chloride	99	70-130
Methyl tert-butyl ether	101	70-130
trans-1,2-Dichloroethene	102	70-130
Hexane	107	70-130
1,1-Dichloroethane	111	70-130
2-Butanone (Methyl Ethyl Ketone)	105	70-130
cis-1,2-Dichloroethene	113	70-130
Tetrahydrofuran	105	70-130
Chloroform	102	70-130
1,1,1-Trichloroethane	116	70-130
Cyclohexane	110	70-130
Carbon Tetrachloride	116	70-130
2,2,4-Trimethylpentane	110	70-130
Benzene	90	70-130
1,2-Dichloroethane	86	70-130
Heptane	91	70-130
Trichloroethene	94	70-130
1,2-Dichloropropane	97	70-130
1,4-Dioxane	88	70-130
Bromodichloromethane	100	70-130
cis-1,3-Dichloropropene	101	70-130
4-Methyl-2-pentanone	95	70-130
Toluene	93	70-130
trans-1,3-Dichloropropene	101	70-130
1,1,2-Trichloroethane	108	70-130
Tetrachloroethene	84	70-130
2-Hexanone	95	70-130

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Client Sample ID: LCS

Lab ID#: 2511561A-14B

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60120304**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/3/25 12:56 PM**	

Compound	%Recovery	Method Limits
Dibromochloromethane	105	70-130
1,2-Dibromoethane (EDB)	115	70-130
Chlorobenzene	96	70-130
Ethyl Benzene	103	70-130
m,p-Xylene	104	70-130
o-Xylene	109	70-130
Styrene	125	70-130
Bromoform	107	70-130
Cumene	110	70-130
1,1,2,2-Tetrachloroethane	105	70-130
Propylbenzene	111	70-130
4-Ethyltoluene	115	70-130
1,3,5-Trimethylbenzene	111	70-130
1,2,4-Trimethylbenzene	115	70-130
1,3-Dichlorobenzene	101	70-130
1,4-Dichlorobenzene	101	70-130
alpha-Chlorotoluene	116	70-130
1,2-Dichlorobenzene	100	70-130
1,2,4-Trichlorobenzene	100	70-130
Hexachlorobutadiene	86	70-130
Naphthalene	102	60-140

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	106	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: LCSD

Lab ID#: 2511561A-14BB

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60120305**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/3/25 01:27 PM**	

Compound	%Recovery	Method Limits
Freon 12	111	70-130
Freon 114	102	70-130
Chloromethane	116	70-130
Vinyl Chloride	111	70-130
1,3-Butadiene	116	70-130
Bromomethane	106	70-130
Chloroethane	115	70-130
Freon 11	109	70-130
Ethanol	87	70-130
Freon 113	103	70-130
1,1-Dichloroethene	110	70-130
Acetone	117	70-130
2-Propanol	106	70-130
Carbon Disulfide	93	70-130
3-Chloropropene	108	70-130
Methylene Chloride	98	70-130
Methyl tert-butyl ether	101	70-130
trans-1,2-Dichloroethene	103	70-130
Hexane	107	70-130
1,1-Dichloroethane	110	70-130
2-Butanone (Methyl Ethyl Ketone)	104	70-130
cis-1,2-Dichloroethene	113	70-130
Tetrahydrofuran	105	70-130
Chloroform	102	70-130
1,1,1-Trichloroethane	119	70-130
Cyclohexane	110	70-130
Carbon Tetrachloride	113	70-130
2,2,4-Trimethylpentane	111	70-130
Benzene	89	70-130
1,2-Dichloroethane	85	70-130
Heptane	89	70-130
Trichloroethene	93	70-130
1,2-Dichloropropane	96	70-130
1,4-Dioxane	86	70-130
Bromodichloromethane	100	70-130
cis-1,3-Dichloropropene	100	70-130
4-Methyl-2-pentanone	96	70-130
Toluene	91	70-130
trans-1,3-Dichloropropene	102	70-130
1,1,2-Trichloroethane	108	70-130
Tetrachloroethene	85	70-130
2-Hexanone	96	70-130

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Client Sample ID: LCSD

Lab ID#: 2511561A-14BB

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60120305**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/3/25 01:27 PM**	

Compound	%Recovery	Method Limits
Dibromochloromethane	105	70-130
1,2-Dibromoethane (EDB)	115	70-130
Chlorobenzene	96	70-130
Ethyl Benzene	103	70-130
m,p-Xylene	103	70-130
o-Xylene	104	70-130
Styrene	120	70-130
Bromoform	107	70-130
Cumene	108	70-130
1,1,2,2-Tetrachloroethane	109	70-130
Propylbenzene	113	70-130
4-Ethyltoluene	116	70-130
1,3,5-Trimethylbenzene	112	70-130
1,2,4-Trimethylbenzene	115	70-130
1,3-Dichlorobenzene	101	70-130
1,4-Dichlorobenzene	101	70-130
alpha-Chlorotoluene	117	70-130
1,2-Dichlorobenzene	100	70-130
1,2,4-Trichlorobenzene	102	70-130
Hexachlorobutadiene	86	70-130
Naphthalene	104	60-140

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	105	70-130
1,2-Dichloroethane-d4	107	70-130
4-Bromofluorobenzene	100	70-130

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Method : TO-15 + Naph

CAS Number	Compound	Rpt. Limit (ppbv)
75-71-8	Freon 12	0.50
76-14-2	Freon 114	0.50
74-87-3	Chloromethane	5.0
75-01-4	Vinyl Chloride	0.50
106-99-0	1,3-Butadiene	0.50
74-83-9	Bromomethane	5.0
75-00-3	Chloroethane	2.0
75-69-4	Freon 11	0.50
64-17-5	Ethanol	5.0
76-13-1	Freon 113	0.50
75-35-4	1,1-Dichloroethene	0.50
67-64-1	Acetone	5.0
67-63-0	2-Propanol	2.0
75-15-0	Carbon Disulfide	2.0
107-05-1	3-Chloropropene	2.0
75-09-2	Methylene Chloride	5.0
1634-04-4	Methyl tert-butyl ether	2.0
156-60-5	trans-1,2-Dichloroethene	0.50
110-54-3	Hexane	0.50
75-34-3	1,1-Dichloroethane	0.50
78-93-3	2-Butanone (Methyl Ethyl Ketone)	2.0
156-59-2	cis-1,2-Dichloroethene	0.50
109-99-9	Tetrahydrofuran	0.50
67-66-3	Chloroform	0.50
71-55-6	1,1,1-Trichloroethane	0.50
110-82-7	Cyclohexane	0.50
56-23-5	Carbon Tetrachloride	0.50
540-84-1	2,2,4-Trimethylpentane	0.50
71-43-2	Benzene	0.50
107-06-2	1,2-Dichloroethane	0.50
142-82-5	Heptane	0.50
79-01-6	Trichloroethene	0.50
78-87-5	1,2-Dichloropropane	0.50
123-91-1	1,4-Dioxane	2.0
75-27-4	Bromodichloromethane	0.50
10061-01-5	cis-1,3-Dichloropropene	0.50
108-10-1	4-Methyl-2-pentanone	0.50
108-88-3	Toluene	1.0
10061-02-6	trans-1,3-Dichloropropene	0.50
79-00-5	1,1,2-Trichloroethane	0.50
127-18-4	Tetrachloroethene	0.50
591-78-6	2-Hexanone	2.0
124-48-1	Dibromochloromethane	0.50
106-93-4	1,2-Dibromoethane (EDB)	0.50

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Method : TO-15 + Naph

CAS Number	Compound	Rpt. Limit (ppbv)
108-90-7	Chlorobenzene	0.50
100-41-4	Ethyl Benzene	0.50
108-38-3	m,p-Xylene	1.0
95-47-6	o-Xylene	0.50
100-42-5	Styrene	0.50
75-25-2	Bromoform	0.50
98-82-8	Cumene	0.50
79-34-5	1,1,2,2-Tetrachloroethane	0.50
103-65-1	Propylbenzene	0.50
622-96-8	4-Ethyltoluene	0.50
108-67-8	1,3,5-Trimethylbenzene	0.50
95-63-6	1,2,4-Trimethylbenzene	0.50
541-73-1	1,3-Dichlorobenzene	0.50
106-46-7	1,4-Dichlorobenzene	0.50
100-44-7	alpha-Chlorotoluene	0.50
95-50-1	1,2-Dichlorobenzene	0.50
120-82-1	1,2,4-Trichlorobenzene	2.0
87-68-3	Hexachlorobutadiene	2.0
91-20-3	Naphthalene	1.0

	Surrogate	Method Limits
2037-26-5	Toluene-d8	70-130
17060-07-0	1,2-Dichloroethane-d4	70-130
460-00-4	4-Bromofluorobenzene	70-130

Eurofins Air Toxics
180 BLUE RAVINE ROAD, SUITE B
Folsom, CA 95630
Phone: 916-985-1000 Fax: 916-985-1020

Canister Samples Chain of Custody Record

2511561

650-1375 COC

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Client Contact Information	Client Project Manager: Whittaker, Brian	Samples Collected By: Logan Hoke	COC No: 650-1389-437.1
Company Name: S&ME Inc	Phone: 916-605-3355		Page 1 of 1
Address: 3201 Spring Forest Road	Email: ubwh@et.eurofinsus.com	State of origin: NC	
City/State/Zip: Raleigh NC, 27616			For Lab Use Only:
Phone: 919-872-2660	Site Contact: Jerry Paul	Samples received after 3:00PM PST are considered to be received on the following workday.	Walk-in Client:
Project Number: 65000581	Tel/Fax: 916-985-1000/		Lab Sampling:
Project Name: Durham Parks	Anaylsis Turnaround Time		
Site/Location: East End - 923	Standard (Specific): Standard ✓		Job / SDG No.:
P O #: Purchase Order not required	Rush (Specifiy):		(See below for Add'l Items)

Lab ID	Sample Identification	Sample Start		Sample Finish		Canister Vacuum in Field, "Hg (Start)"	Canister Vacuum in Field, "Hg (Stop)"	Flow Controller ID	Canister ID	D1946 - (MOD) CH4 only	TO15_STD - (MOD) TO-15 + Naph			Sample Type	IA=Indoor Air, AA=Ambient Air	SS=Sub-Slab, Soil Vapor Extraction (SVE)	Other (Please specify)	Sample Specific Notes (including duplicate tees, gauges, and other miscellaneous barcoded equipment used):
		Sample Date(s)	Time Start (24hr)	Sample Date(s)	Time Finish (24hr)													
01A	823-LFGP-1	11-12-25	1104	11-12-25	1208	30	9	23113	6L2608	X	X							
02A	823-LFGP-2	"	1052	"	1148	28	6	23156	6L0116									
03A	823-LFGP-3	"	1122	"	1232	27	14	24859	6L0909									
04A	823-LFGP-4	"	1139	"	1279	30	5	23352	6L0157									
05A	823-LFGP-5	"	1231	"	1330	29	5	23131	6L1211									
06A	923-LFGP-6	"	1295	"	1335	30	5	24239	6L0293									
07A	923-LFGP-7	"	1258	"	1358	30	7	23603	6L0881									
~~08A~~	923-LFGP-8	11-13-25	934	11-13-25	1040	28	7	—	6L1802									
09A	823-LFGP-9	"	951	"	1046	26	7	23457	6L0653									
10A ~~11A~~	~~11A~~ 823-LFGP-10	"	941	"	1043	27	6	24986	6L2076									
11A ~~12A~~	~~12A~~ 823-LFGP-DUP-01	11-12-25	1052	11-[illegible]-25	1148	28	5	24549	6L1624									

DUP 11/12/25

Special Instructions/QC Requirements & Comments: DUP-01 sampled on 11-12-25

Samples Shipped by: GERALD PAUL FedEx	Date / Time: 11/18/25 1630	Samples Received by:	
Samples Relinquished by:	Date / Time: 11/18/25 1630	Received by:	11/19/25 0936
Relinquished by:	Date / Time:	Received by:	

Lab Use Only: Shipper Name: FedEx Custody Seals Intact? Yes No (None) Condition:

Ver: 10/10/2024

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Analytical Report

12/5/2025
Mr. Logan Hester
S & ME, Inc.
3201 Spring Forest Road

Raleigh NC 27616

Project Name: Durham Parks
Project #: 65000581
Workorder #: 2511561B

Dear Mr. Logan Hester

The following report includes the data for the above referenced project for sample(s) received on 11/19/2025 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified ASTM D-1946 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Brian Whittaker at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Brian Whittaker

Project Manager

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WORK ORDER #: 2511561B

Work Order Summary

CLIENT:	Mr. Logan Hester S & ME, Inc. 3201 Spring Forest Road Raleigh, NC 27616	**BILL TO:**	Mr. Logan Hester S & ME, Inc. 3201 Spring Forest Road Raleigh, NC 27616
PHONE:	919-872-2660	**P.O. #**	
FAX:	919-790-8909	**PROJECT #**	65000581 Durham Parks
DATE RECEIVED:	11/19/2025	**CONTACT:**	Brian Whittaker
DATE COMPLETED:	12/05/2025		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	823-LFGP-1	Modified ASTM D-1946	10.6 "Hg	1.9 psi
02A	823-LFGP-2	Modified ASTM D-1946	9.8 "Hg	2 psi
03A	823-LFGP-3	Modified ASTM D-1946	14.9 "Hg	1.9 psi
04A	823-LFGP-4	Modified ASTM D-1946	9.2 "Hg	1.9 psi
05A	823-LFGP-5	Modified ASTM D-1946	7.1 "Hg	2 psi
06A	823-LFGP-6	Modified ASTM D-1946	11.6 "Hg	1.9 psi
07A	823-LFGP-7	Modified ASTM D-1946	8.8 "Hg	1.9 psi
08A	823-LFGP-8	Modified ASTM D-1946	7.8 "Hg	1.9 psi
09A	823-LFGP-9	Modified ASTM D-1946	10.8 "Hg	1.9 psi
10A	823-LFGP-10	Modified ASTM D-1946	9.4 "Hg	2 psi
11A	823-LFGP-DUP-01	Modified ASTM D-1946	9.4 "Hg	1.9 psi
12A	Lab Blank	Modified ASTM D-1946	NA	NA
13A	CCV	Modified ASTM D-1946	NA	NA
14A	LCS	Modified ASTM D-1946	NA	NA
14AA	LCSD	Modified ASTM D-1946	NA	NA

CERTIFIED BY: Heidi Hayes DATE: 12/05/25

Technical Director

Cert. No.: AZ Licensure-AZ0775, FL NELAP-E87680, LA NELAP–02089, MN NELAP-2836569, NH NELAP–209224-A, NJ NELAP-CA016, NY NELAP-11291, TX NELAP-T104704434, UT NELAP-CA009332023-16, VA NELAP-13180, WA NELAP-C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) CA300005-21
Eurofins Environment Testing Northern California, LLC certifies that the test results contained in this report meet all requirements of the 2016 TNI Standard.

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC.

LABORATORY NARRATIVE
Modified ASTM D-1946
S & ME, Inc.
Workorder# 2511561B

Eleven 6 Liter Summa Canister samples were received on November 19, 2025. The laboratory performed analysis via Modified ASTM Method D-1946 for Methane in air using GC/FID. The method involves direct injection of 1.0 mL of sample.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the EATL modifications.

Requirement	***ASTM D-1946***	***ATL Modifications***
Calibration	A single point calibration is performed using a reference standard closely matching the composition of the unknown.	A minimum of 5-point calibration curve is performed. Quantitation is based on average Response Factor.
Reference Standard	The composition of any reference standard must be known to within 0.01 mol % for any component.	The standards used by ATL are blended to a >/= 95% accuracy.
Sample Injection Volume	Components whose concentrations are in excess of 5 % should not be analyzed by using sample volumes greater than 0.5 mL.	The sample container is connected directly to a fixed volume sample loop of 1.0 mL on the GC. Linear range is defined by the calibration curve. Bags are loaded by vacuum.
Normalization	Normalize the mole percent values by multiplying each value by 100 and dividing by the sum of the original values. The sum of the original values should not differ from 100% by more than 1.0%.	Results are not normalized. The sum of the reported values can differ from 100% by as much as 15%, either due to analytical variability or an unusual sample matrix.
Precision	Precision requirements established at each concentration level.	Duplicates should agree within 25% RPD for detections > 5 X's the RL.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
B - Compound present in laboratory blank greater than reporting limit.
J - Estimated value.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the detection limit.
M - Reported value may be biased due to apparent matrix interferences.
File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

Client Sample ID: 823-LFGP-1

Lab ID#: 2511561B-01A

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00018	0.00023

Client Sample ID: 823-LFGP-2

Lab ID#: 2511561B-02A

No Detections Were Found.

Client Sample ID: 823-LFGP-3

Lab ID#: 2511561B-03A

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00022	0.011

Client Sample ID: 823-LFGP-4

Lab ID#: 2511561B-04A

No Detections Were Found.

Client Sample ID: 823-LFGP-5

Lab ID#: 2511561B-05A

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00015	14

Client Sample ID: 823-LFGP-6

Lab ID#: 2511561B-06A

No Detections Were Found.

Client Sample ID: 823-LFGP-7

Lab ID#: 2511561B-07A

No Detections Were Found.

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Summary of Detected Compounds
NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

Client Sample ID: 823-LFGP-8

Lab ID#: 2511561B-08A

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00015	1.3

Client Sample ID: 823-LFGP-9

Lab ID#: 2511561B-09A

No Detections Were Found.

Client Sample ID: 823-LFGP-10

Lab ID#: 2511561B-10A

No Detections Were Found.

Client Sample ID: 823-LFGP-DUP-01

Lab ID#: 2511561B-11A

No Detections Were Found.

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Client Sample ID: 823-LFGP-1

Lab ID#: 2511561B-01A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10120405**	**Date of Collection:**	**11/12/25 12:08:00 P**
Dil. Factor:	**1.75**	**Date of Analysis:**	**12/4/25 08:52 AM**

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00018	0.00023

Container Type: 6 Liter Summa Canister

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Client Sample ID: 823-LFGP-2

Lab ID#: 2511561B-02A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10120406**	**Date of Collection:**	**11/12/25 11:48:00 A**
Dil. Factor:	**1.69**	**Date of Analysis:**	**12/4/25 09:16 AM**

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00017	Not Detected

Container Type: 6 Liter Summa Canister

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Client Sample ID: 823-LFGP-3

Lab ID#: 2511561B-03A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10120407**	**Date of Collection:**	**11/12/25 12:32:00 P**
Dil. Factor:	**2.24**	**Date of Analysis:**	**12/4/25 09:48 AM**

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00022	0.011

Container Type: 6 Liter Summa Canister

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Client Sample ID: 823-LFGP-4

Lab ID#: 2511561B-04A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10120408**	**Date of Collection: 11/12/25 12:39:00 P**	
Dil. Factor:	**1.63**	**Date of Analysis: 12/4/25 10:13 AM**	

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00016	Not Detected

Container Type: 6 Liter Summa Canister

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Client Sample ID: 823-LFGP-5

Lab ID#: 2511561B-05A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10120409**	**Date of Collection: 11/12/25 1:30:00 PM**	
Dil. Factor:	**1.49**	**Date of Analysis: 12/4/25 10:37 AM**	

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00015	14

Container Type: 6 Liter Summa Canister

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Client Sample ID: 823-LFGP-6

Lab ID#: 2511561B-06A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10120410**	**Date of Collection: 11/12/25 1:35:00 PM**	
Dil. Factor:	**1.84**	**Date of Analysis: 12/4/25 11:18 AM**	

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00018	Not Detected

Container Type: 6 Liter Summa Canister

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Client Sample ID: 823-LFGP-7

Lab ID#: 2511561B-07A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10120411**	**Date of Collection: 11/12/25 1:58:00 PM**	
Dil. Factor:	**1.60**	**Date of Analysis: 12/4/25 12:04 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00016	Not Detected

Container Type: 6 Liter Summa Canister

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Client Sample ID: 823-LFGP-8

Lab ID#: 2511561B-08A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10120412**	**Date of Collection:**	**11/13/25 10:40:00 A**
Dil. Factor:	**1.52**	**Date of Analysis:**	**12/4/25 12:26 PM**

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00015	1.3

Container Type: 6 Liter Summa Canister

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Client Sample ID: 823-LFGP-9

Lab ID#: 2511561B-09A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10120413**	**Date of Collection:**	**11/13/25 10:46:00 A**
Dil. Factor:	**1.77**	**Date of Analysis:**	**12/4/25 12:49 PM**

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00018	Not Detected

Container Type: 6 Liter Summa Canister

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Client Sample ID: 823-LFGP-10

Lab ID#: 2511561B-10A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10120414**	**Date of Collection: 11/13/25 10:43:00 A**	
Dil. Factor:	**1.65**	**Date of Analysis: 12/4/25 01:22 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00016	Not Detected

Container Type: 6 Liter Summa Canister

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Client Sample ID: 823-LFGP-DUP-01

Lab ID#: 2511561B-11A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10120415**	**Date of Collection:**	**11/12/25 11:48:00 A**
Dil. Factor:	**1.64**	**Date of Analysis:**	**12/4/25 01:48 PM**

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00016	Not Detected

Container Type: 6 Liter Summa Canister

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Client Sample ID: Lab Blank

Lab ID#: 2511561B-12A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10120404**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/4/25 08:21 AM**	

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00010	Not Detected

Container Type: NA - Not Applicable

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Client Sample ID: CCV

Lab ID#: 2511561B-13A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10120401**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 12/4/25 06:44 AM**

Compound	%Recovery
Methane	101

Container Type: NA - Not Applicable

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Client Sample ID: LCS

Lab ID#: 2511561B-14A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10120402**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/4/25 07:12 AM**	

Compound	%Recovery	Method Limits
Methane	104	85-115

Container Type: NA - Not Applicable

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Client Sample ID: LCSD

Lab ID#: 2511561B-14AA

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10120424**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/4/25 07:03 PM**	

Compound	%Recovery	Method Limits
Methane	102	85-115

Container Type: NA - Not Applicable

EMSL Analytical, Inc.

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:cs@emsl.com
EMSL-CIN-01

EMSL Order ID: 012543590
LIMS Reference ID: AD43590
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: City Of Durham Parks - 23050630 - East End (823) Phase B
Project ID: _Master Project-SMEI60
Customer PO:
Sales Rep: Jason McDonald
Received: 11/25/2025 12:00
Reported: 12/10/2025 17:23

Analytical Results

Analyte	Result	Q	DF	RL	Units	Prepared Date/Time	Analyzed Date/Time	Analyst Initials	Prep /Analytical Method
Sample: 823-LFGP-2		**Lims Reference ID:**		**AD43590-01**	**Matrix: Tubes**				**Sampled: 11/12/25 12:24:00**
Metals									
Mercury	ND		1	0.83	µg/m³	12/10/25 10:58	12/10/25 15:59	SD	NIOSH 6009
Sample: 823-LFGP-DUP-01		**Lims Reference ID:**		**AD43590-02**	**Matrix: Tubes**				**Sampled: 11/12/25 12:24:00**
Metals									
Mercury	ND		1	0.83	µg/m³	12/10/25 10:58	12/10/25 16:01	SD	NIOSH 6009
Sample: 823-LFGP-1		**Lims Reference ID:**		**AD43590-03**	**Matrix: Tubes**				**Sampled: 11/12/25 12:27:00**
Metals									
Mercury	ND		1	0.83	µg/m³	12/10/25 10:58	12/10/25 16:04	SD	NIOSH 6009
Sample: 823-LFGP-3		**Lims Reference ID:**		**AD43590-04**	**Matrix: Tubes**				**Sampled: 11/12/25 12:32:00**
Metals									
Mercury	ND		1	0.83	µg/m³	12/10/25 10:58	12/10/25 16:06	SD	NIOSH 6009
Sample: 823-LFGP-4		**Lims Reference ID:**		**AD43590-05**	**Matrix: Tubes**				**Sampled: 11/12/25 12:40:00**
Metals									
Mercury	ND		1	0.83	µg/m³	12/10/25 10:58	12/10/25 16:09	SD	NIOSH 6009
Sample: 823-LFGP-5		**Lims Reference ID:**		**AD43590-06**	**Matrix: Tubes**				**Sampled: 11/12/25 13:53:00**
Metals									
Mercury	ND		1	0.83	µg/m³	12/10/25 10:58	12/10/25 16:11	SD	NIOSH 6009
Sample: 823-LFGP-6		**Lims Reference ID:**		**AD43590-07**	**Matrix: Tubes**				**Sampled: 11/12/25 13:54:00**
Metals									
Mercury	ND		1	0.83	µg/m³	12/10/25 10:58	12/10/25 16:22	SD	NIOSH 6009
Sample: 823-LFGP-7		**Lims Reference ID:**		**AD43590-08**	**Matrix: Tubes**				**Sampled: 11/12/25 14:00:00**
Metals									
Mercury	ND		1	0.83	µg/m³	12/10/25 10:58	12/10/25 16:24	SD	NIOSH 6009
Sample: 823-LFGP-8		**Lims Reference ID:**		**AD43590-09**	**Matrix: Tubes**				**Sampled: 11/13/25 09:34:00**
Metals									

EMSL Analytical, Inc.

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:cs@emsl.com
EMSL-CIN-01

EMSL Order ID: 012543590
LIMS Reference ID: AD43590
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: City Of Durham Parks - 23050630 - East End (823) Phase B
Project ID: _Master Project-SMEI60
Customer PO:
Sales Rep: Jason McDonald
Received: 11/25/2025 12:00
Reported: 12/10/2025 17:23

Analytical Results
(Continued)

Analyte	Result	Q	DF	RL	Units	Prepared Date/Time	Analyzed Date/Time	Analyst Initials	Prep /Analytical Method
Sample: 823-LFGP-8 (Continued)		**Lims Reference ID:**		**AD43590-09**	**Matrix: Tubes**				**Sampled: 11/13/25 09:34:00**
Metals (Continued)									
Mercury	ND		1	0.76	µg/m³	12/10/25 10:58	12/10/25 16:27	SD	NIOSH 6009
Sample: 823-LFGP-9		**Lims Reference ID:**		**AD43590-10**	**Matrix: Tubes**				**Sampled: 11/13/25 09:51:00**
Metals									
Mercury	ND		1	0.91	µg/m³	12/10/25 10:58	12/10/25 16:29	SD	NIOSH 6009
Sample: 823-LFGP-10		**Lims Reference ID:**		**AD43590-11**	**Matrix: Tubes**				**Sampled: 11/13/25 09:41:00**
Metals									
Mercury	ND		1	0.81	µg/m³	12/10/25 10:58	12/10/25 16:32	SD	NIOSH 6009

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Project ID: _Master Project-SMEI60
Customer PO:
Sales Rep: Jason McDonald
Received: 11/25/2025 12:00
Reported: 12/10/2025 17:23

Certified Analyses included in this Report

Analyte	Certifications
NIOSH 6009 in Tubes	
Mercury	A2LA,AIHA LAP

List of Certifications

Code	Description	Number	Expires
PADEP	Pennsylvania Department of Environmental Protection	2845.25	11/30/2025
NYSDOH	New York State Department of Health ELAP	10872	04/01/2026
NJDEP	New Jersey Department of Environmental Protection	03036	06/30/2026
MADEP	Massachusetts Department of Environmental Protection	M-NJ337	06/30/2026
CTDPH	Connecticut Department of Public Health	PH-0270	06/30/2026
California ELAP	California Water Boards	1877	06/30/2026
AIHA LAP	American Industrial Hygiene Association (AIHA LAP, LLC)	100194	04/01/2027
A2LA	A2LA Environmental Certificate	2845.01	07/31/2026
21-A2LA	A2LA Food Chem/Mat Sci	2845.15	07/31/2026

Please see the specific Field of Testing (FOT) on www.emsl.com <http://www.emsl.com> for a complete listing of parameters for which EMSL is certified.

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Project ID: _Master Project-SMEI60
Customer PO:
Sales Rep: Jason McDonald
Received: 11/25/2025 12:00
Reported: 12/10/2025 17:23

Notes and Definitions

Item	Definition
(Dig)	For metals analysis, sample was digested.
[2C]	Reported from the second channel in dual column analysis.
DA	Direct Analysis
DF	Dilution Factor
MDL	Method Detection Limit.
ND	Analyte was NOT DETECTED at or above the detection limit.
NR	Spike/Surrogate showed no recovery.
Q	Qualifier
RCS	Respirable Crystalline Silica
RL	Reporting Limit
Wet	Sample is not dry weight corrected.

Measurement of uncertainty and any applicable definitions of method modifications are available upon request. Per EPA NLLAP policy, sample results are not blank corrected.

Owen McKenna Laboratory Manager or other approved signatory

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EMSL ANALYTICAL, INC.
TESTING LABS • PRODUCTS • TRAINING

Industrial Hygiene - Chain of Custody

EMSL Order Number / Lab Use Only: AD43590

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077
PHONE: (800) 220-3675
EMAIL: c@emsl.com

If Bill-To is the same as Report-To leave this section blank. Third-party billing requires written authorization.

Customer Information

Customer ID:	
Company Name:	S&ME
Contact Name:	Gerald Paul
Street Address:	3201 Spring Forest Rd
City, State, Zip:	Raleigh, NC 27616
Country:	US
Phone:	919-801-5359 / 919-872-2660
Email(s) for Report:	jpaul@smeinc.com / lhester@smeinc.com

Billing Information

Billing ID:	
Company Name:	
Billing Contact:	
Street Address:	SAME
City, State, Zip:	
Country:	
Phone:	
Email(s) for Invoice:	

Project Name/No: City of Durham Parks - 23050630 - East End (823) Phase B

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)

Media Type: Air

Media Manufacturer/ Part Number:

Media Lot Number:

Sampled By Name: Logan Hester

Sampled By Signature:

No. Samples in Shipment: 11

Turnaround Time (TAT) Options - Please check: (If no selection made, Standard 2 Week (EOD) TAT will apply)

☑ 2 Week ☐ 1 Week ☐ 4 Day ☐ 3 Day ☐ 2 Day ☐ 1 Day ☐ Other (Call Lab)

Client Sample ID	Location/Description	Analyte/ Method	Media	Flow (lpm)	Sample Time On	Sample Time Off	Volume/Area	Sample Type	Sample Date	Comments
823-LFGP-2		NIOSH 6009 - mercury	Sorbent Tube		1224	1324		☐ Area ☐ Personal	11-12-25	
823-LFGP-DUP-01					1224	1324		☐ Area ☐ Personal		
823-LFGP-1					1227	1327		☐ Area ☐ Personal		
823-LFGP-3					1232	1332		☐ Area ☐ Personal		
823-LFGP-4					1240	1340		☐ Area ☐ Personal		
823-LFGP-5					1353	1453		☐ Area ☐ Personal		
823-LFGP-6					1354	1454		☐ Area ☐ Personal		
823-LFGP-7					1401	1501		☐ Area ☐ Personal		

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

NIOSH 6009 mercury - sorbent tube sampling

Method of Shipment: FedEx

Sample Condition Upon Receipt:

Relinquished by: Date/Time:

Received by: Date/Time: 11/25/25 12pm

Relinquished by: Date/Time:

Received by: Date/Time:

Controlled Document - COC-21 Industrial Hygiene R4 05/12/2021

☐ **AGREE TO ELECTRONIC SIGNATURE** (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.

EMSL ANALYTICAL, INC.
TESTING LABS • PRODUCTS • TRAINING

Industrial Hygiene - Chain of Custody

EMSL Order Number / Lab Use Only

AD43590

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077

PHONE: (800) 220-3675
EMAIL: c@emsl.com

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

East End - B23

Client Sample ID	Location/Description	Analyte/ Method	Media	Flow (lpm)	Sample Time On	Sample Time Off	Volume/Area	Sample Type	Sample Date	Comments
B23-LFLR-8		NIOSH 6009 - mercury	Sorbent Tube		934	1040		☒ Area ☐ Personal	11-13-25	
B23-LFLR-9		↓	↓		951	1046		☒ Area ☐ Personal	↓	
B23-LFLR-10		↓	↓		941	1043		☒ Area ☐ Personal	↓	
								☐ Area ☐ Personal		
								☐ Area ☐ Personal		
								☐ Area ☐ Personal		
								☐ Area ☐ Personal		
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								☐ Area ☐ Personal		
								☐ Area ☐ Personal		
								☐ Area ☐ Personal		
								☐ Area ☐ Personal		

Method of Shipment: FEDEX		Sample Condition Upon Receipt:	
Relinquished by:	Date/Time:	Received by:	Date/Time 11/25/25 12pm
Relinquished by:	Date/Time:	Received by:	Date/Time

Controlled Document - COC-21 Industrial Hygiene R4 05/12/2021

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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: 012542095
LIMS Reference ID: AD42095
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: City of Durham Parks-23050630 Ph. B (Lyon Park 823RI-9)
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 11/13/2025 09:20
Reported: 11/28/2025 09:45

Samples in this Report

Lab ID	Sample	Matrix	Date Sampled	Date Received
AD42095-01	823-LFGP-4	Air	11/12/2025	11/13/2025
AD42095-02	823-LFGP-3	Air	11/12/2025	11/13/2025
AD42095-03	823-LFGP-2	Air	11/12/2025	11/13/2025
AD42095-04	823-LFGP-1	Air	11/12/2025	11/13/2025
AD42095-05	823-LFGP-5	Air	11/12/2025	11/13/2025
AD42095-06	823-LFGP-6	Air	11/12/2025	11/13/2025
AD42095-07	823-LFGP-7	Air	11/12/2025	11/13/2025
AD42095-08	823-LFGP-DUP-01	Air	11/12/2025	11/13/2025

Owen McKenna Laboratory Manager or other approved signatory

Test results meet all NELAP requirements unless otherwise specified. NJDEP Certification #: 03036

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EMSL Order ID: 012542095
LIMS Reference ID: AD42095
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S&ME, Inc. [SMEI60]
3201 Spring Forest Road
Raleigh, NC 27616
(919) 872-2660
jpaul@smeinc.com

Project Name: City of Durham Parks-23050630 Ph. B (Lyon Park 823RI-9)
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 11/13/2025 09:20
Reported: 11/28/2025 09:45

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 sightly pressurized with UHP diluent and transferred to tedlar bags prior to analysis.

Sample Pressures:

Sample ID	Analysis	Analyzed	Dilution
AD42095-01	49-Hydrogen Sulfide by ASTM D5504	No Dilutions	
AD42095-02	49-Hydrogen Sulfide by ASTM D5504	No Dilutions	
AD42095-03	49-Hydrogen Sulfide by ASTM D5504	No Dilutions	
AD42095-04	49-Hydrogen Sulfide by ASTM D5504	No Dilutions	
AD42095-05	49-Hydrogen Sulfide by ASTM D5504	No Dilutions	
AD42095-06	49-Hydrogen Sulfide by ASTM D5504	No Dilutions	
AD42095-07	49-Hydrogen Sulfide by ASTM D5504	No Dilutions	
AD42095-08	49-Hydrogen Sulfide by ASTM D5504	No Dilutions	

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):

EMSL Analytical, Inc.

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EMSL-CIN-01

EMSL Order ID: 012542095
LIMS Reference ID: AD42095
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Attention: Gerald Paul
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jpaul@smeinc.com

Project Name: City of Durham Parks-23050630 Ph. B (Lyon Park 823RI-9)
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 11/13/2025 09:20
Reported: 11/28/2025 09:45

All acceptance criteria were met.

Sample Duplicate:
All acceptance criteria were met.

EMSL Analytical, Inc. certifies that this data package is in compliance with the terme and conditions of this contract, both technically and for completeness, for other thatn the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer ---readable data submitted on diskette has been authorized by the laboratory manager or his/her designee, as verified by the following signature

Owen McKenna Laboratory Manager or other approved signatory

EMSL Analytical, Inc.

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Telephone: 856-858-4800 Fax:cs@emsl.com
EMSL-CIN-01

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Project Name: City of Durham Parks-23050630 Ph. B (Lyon Park 823RI-9)
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 11/13/2025 09:20
Reported: 11/28/2025 09:45

EMSL Sample ID: AD42095-01
Customer Sample ID: 823-LFGP-4
Collected: 11/12/2025 14:20
Received: 11/13/2025 09:20

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
11/13/25 15:23	BDK1521	R1578.D	823-LFGP-4	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	11/13/25 15:23	
Total Target Compound Concentrations:			**0**			**0**			

Threshold Refernences

Analyte	Odor characteristics[2]	Lowest Validated Odor Threshold[2]	OSHA PEL (gen. Industry-ceiling) [1]	NIOSH REL (ceiling) [1]	ACGIH TLV (TWA) [1]
Hydrogen Sulfide	**Rotton eggs, flatus**	**1 ppb**	**20 ppm**	**10 ppm**	**1 ppm**
Carbonyl Sulfide	**Burnt matches, Burnt fireworks**	**NE**	**NE**	**NE**	**5 ppm**
Methyl Mercaptan	**Rotton cabbage odorized natural**	**0.0002 ppb**	**10 ppm**	**0.5 ppm**	**0.5 ppm**
Ethyl Mercaptan	**Rotton cabbage odorized natural**	**0.098 ppb**	**10 ppm**	**0.5 ppm**	**0.5 ppm**
Dimethyl Sulfide	**Garlic-like[3]**	**8 ppb**	**NE**	**NE**	**10 ppm**

Reference

1 www.osha.gov
2 "Odor Threshholds for Chemicals with Established Occupational Health Standards", AIHA, Fairfax VA, 1989
3 MSDS sheet, www.arkema-inc.com

Agency Definitions

OSHA= Occupational Safety and Health Administration
NIOSH=National Institute for Occupational Safety and Health
ACGIH=American Conference of Governmental Industrial Hygienistsn

Method Reference

ASTM D5504-12: Standard Test Method for Determination of Sulfur Compounds in Natural Gas and Gaseous Fuels by Gas Chromatography and Chemiluminescence

Exposure Limit Definitions

PEL= Permissable Exposure Limit TWA=Time Weighted Average TLV=Threashold Limit Value
REL=Recommended Exposure Limit NE= Not established

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EMSL Order ID: 012542095
LIMS Reference ID: AD42095
EMSL Customer ID: SMEI60

Attention: Gerald Paul
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3201 Spring Forest Road
Raleigh, NC 27616
(919) 872-2660
jpaul@smeinc.com

Project Name: City of Durham Parks-23050630 Ph. B (Lyon Park 823RI-9)
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 11/13/2025 09:20
Reported: 11/28/2025 09:45

EMSL Sample ID: AD42095-02
Customer Sample ID: 823-LFGP-3
Collected: 11/12/2025 14:35
Received: 11/13/2025 09:20

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
11/13/25 15:36	BDK1521	R1579.D	823-LFGP-3	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	11/13/25 15:36	
Total Target Compound Concentrations:			**0**			**0**			

Threshold Refernences

Analyte	Odor characteristics[2]	Lowest Validated Odor Threshold[2]	OSHA PEL (gen. Industry-ceiling) [1]	NIOSH REL (ceiling) [1]	ACGIH TLV (TWA) [1]
Hydrogen Sulfide	**Rotton eggs, flatus**	**1 ppb**	**20 ppm**	**10 ppm**	**1 ppm**
Carbonyl Sulfide	**Burnt matches, Burnt fireworks**	**NE**	**NE**	**NE**	**5 ppm**
Methyl Mercaptan	**Rotton cabbage odorized natural**	**0.0002 ppb**	**10 ppm**	**0.5 ppm**	**0.5 ppm**
Ethyl Mercaptan	**Rotton cabbage odorized natural**	**0.098 ppb**	**10 ppm**	**0.5 ppm**	**0.5 ppm**
Dimethyl Sulfide	**Garlic-like[3]**	**8 ppb**	**NE**	**NE**	**10 ppm**

Reference

1 www.osha.gov
2 "Odor Threshholds for Chemicals with Established Occupational Health Standards", AIHA, Fairfax VA, 1989
3 MSDS sheet, www.arkema-inc.com

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EMSL Order ID: 012542095
LIMS Reference ID: AD42095
EMSL Customer ID: SMEI60

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jpaul@smeinc.com

Project Name: City of Durham Parks-23050630 Ph. B (Lyon Park 823RI-9)
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 11/13/2025 09:20
Reported: 11/28/2025 09:45

EMSL Sample ID: AD42095-03
Customer Sample ID: 823-LFGP-2
Collected: 11/12/2025 14:25
Received: 11/13/2025 09:20

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
11/13/25 15:49	BDK1521	R1580.D	823-LFGP-2	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	11/13/25 15:49	
Total Target Compound Concentrations:			**0**			**0**			

Threshold Refernences

Analyte	Odor characteristics[2]	Lowest Validated Odor Threshold[2]	OSHA PEL (gen. Industry-ceiling) [1]	NIOSH REL (ceiling) [1]	ACGIH TLV (TWA) [1]
Hydrogen Sulfide	**Rotton eggs, flatus**	**1 ppb**	**20 ppm**	**10 ppm**	**1 ppm**
Carbonyl Sulfide	**Burnt matches, Burnt fireworks**	**NE**	**NE**	**NE**	**5 ppm**
Methyl Mercaptan	**Rotton cabbage odorized natural**	**0.0002 ppb**	**10 ppm**	**0.5 ppm**	**0.5 ppm**
Ethyl Mercaptan	**Rotton cabbage odorized natural**	**0.098 ppb**	**10 ppm**	**0.5 ppm**	**0.5 ppm**
Dimethyl Sulfide	**Garlic-like[3]**	**8 ppb**	**NE**	**NE**	**10 ppm**

Reference

1 www.osha.gov
2 "Odor Threshholds for Chemicals with Established Occupational Health Standards", AIHA, Fairfax VA, 1989
3 MSDS sheet, www.arkema-inc.com

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Method Reference

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REL=Recommended Exposure Limit NE= Not established

EMSL Analytical, Inc.

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EMSL Order ID: 012542095
LIMS Reference ID: AD42095
EMSL Customer ID: SMEI60

Attention: Gerald Paul
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3201 Spring Forest Road
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jpaul@smeinc.com

Project Name: City of Durham Parks-23050630 Ph. B (Lyon Park 823RI-9)
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 11/13/2025 09:20
Reported: 11/28/2025 09:45

EMSL Sample ID: AD42095-04
Customer Sample ID: 823-LFGP-1
Collected: 11/12/2025 14:30
Received: 11/13/2025 09:20

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
11/13/25 16:03	BDK1521	R1581.D	823-LFGP-1	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	11/13/25 16:03	
Total Target Compound Concentrations:			**0**			**0**			

Threshold Refernences

Analyte	Odor characteristics[2]	Lowest Validated Odor Threshold[2]	OSHA PEL (gen. Industry-ceiling) [1]	NIOSH REL (ceiling) [1]	ACGIH TLV (TWA) [1]
Hydrogen Sulfide	**Rotton eggs, flatus**	**1 ppb**	**20 ppm**	**10 ppm**	**1 ppm**
Carbonyl Sulfide	**Burnt matches, Burnt fireworks**	**NE**	**NE**	**NE**	**5 ppm**
Methyl Mercaptan	**Rotton cabbage odorized natural**	**0.0002 ppb**	**10 ppm**	**0.5 ppm**	**0.5 ppm**
Ethyl Mercaptan	**Rotton cabbage odorized natural**	**0.098 ppb**	**10 ppm**	**0.5 ppm**	**0.5 ppm**
Dimethyl Sulfide	**Garlic-like[3]**	**8 ppb**	**NE**	**NE**	**10 ppm**

Reference

1 www.osha.gov
2 "Odor Threshholds for Chemicals with Established Occupational Health Standards", AIHA, Fairfax VA, 1989
3 MSDS sheet, www.arkema-inc.com

Agency Definitions

OSHA= Occupational Safety and Health Administration
NIOSH=National Institute for Occupational Safety and Health
ACGIH=American Conference of Governmental Industrial Hygienistsn

Method Reference

ASTM D5504-12: Standard Test Method for Determination of Sulfur Compounds in Natural Gas and Gaseous Fuels by Gas Chromatography and Chemiluminescence

Exposure Limit Definitions

PEL= Permissable Exposure Limit TWA=Time Weighted Average TLV=Threashold Limit Value
REL=Recommended Exposure Limit NE= Not established

EMSL Analytical, Inc.

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:cs@emsl.com
EMSL-CIN-01

EMSL Order ID: 012542095
LIMS Reference ID: AD42095
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: City of Durham Parks-23050630 Ph. B (Lyon Park 823RI-9)
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 11/13/2025 09:20
Reported: 11/28/2025 09:45

EMSL Sample ID: AD42095-05
Customer Sample ID: 823-LFGP-5
Collected: 11/12/2025 15:00
Received: 11/13/2025 09:20

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
11/13/25 16:29	BDK1521	R1583.D	823-LFGP-5	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	62	10	1	87	14	11/13/25 16:29	
Total Target Compound Concentrations:			62			87			

Threshold Refernences

Analyte	Odor characteristics[2]	Lowest Validated Odor Threshold[2]	OSHA PEL (gen. Industry-ceiling) [1]	NIOSH REL (ceiling) [1]	ACGIH TLV (TWA) [1]
Hydrogen Sulfide	**Rotton eggs, flatus**	**1 ppb**	**20 ppm**	**10 ppm**	**1 ppm**
Carbonyl Sulfide	**Burnt matches, Burnt fireworks**	**NE**	**NE**	**NE**	**5 ppm**
Methyl Mercaptan	**Rotton cabbage odorized natural**	**0.0002 ppb**	**10 ppm**	**0.5 ppm**	**0.5 ppm**
Ethyl Mercaptan	**Rotton cabbage odorized natural**	**0.098 ppb**	**10 ppm**	**0.5 ppm**	**0.5 ppm**
Dimethyl Sulfide	**Garlic-like[3]**	**8 ppb**	**NE**	**NE**	**10 ppm**

Reference

1 www.osha.gov
2 "Odor Threshholds for Chemicals with Established Occupational Health Standards", AIHA, Fairfax VA, 1989
3 MSDS sheet, www.arkema-inc.com

Agency Definitions

OSHA= Occupational Safety and Health Administration
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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= Permissable Exposure Limit TWA=Time Weighted Average TLV=Threashold Limit Value
REL=Recommended Exposure Limit NE= Not established

EMSL Analytical, Inc.

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:cs@emsl.com
EMSL-CIN-01

EMSL Order ID: 012542095
LIMS Reference ID: AD42095
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: City of Durham Parks-23050630 Ph. B (Lyon Park 823RI-9)
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 11/13/2025 09:20
Reported: 11/28/2025 09:45

EMSL Sample ID: AD42095-06
Customer Sample ID: 823-LFGP-6
Collected: 11/12/2025 15:10
Received: 11/13/2025 09:20

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
11/13/25 16:42	BDK1521	R1584.D	823-LFGP-6	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	11/13/25 16:42	
Total Target Compound Concentrations:			**0**			**0**			

Threshold Refernences

Analyte	Odor characteristics[2]	Lowest Validated Odor Threshold[2]	OSHA PEL (gen. Industry-ceiling) [1]	NIOSH REL (ceiling) [1]	ACGIH TLV (TWA) [1]
Hydrogen Sulfide	**Rotton eggs, flatus**	**1 ppb**	**20 ppm**	**10 ppm**	**1 ppm**
Carbonyl Sulfide	**Burnt matches, Burnt fireworks**	**NE**	**NE**	**NE**	**5 ppm**
Methyl Mercaptan	**Rotton cabbage odorized natural**	**0.0002 ppb**	**10 ppm**	**0.5 ppm**	**0.5 ppm**
Ethyl Mercaptan	**Rotton cabbage odorized natural**	**0.098 ppb**	**10 ppm**	**0.5 ppm**	**0.5 ppm**
Dimethyl Sulfide	**Garlic-like[3]**	**8 ppb**	**NE**	**NE**	**10 ppm**

Reference

1 www.osha.gov
2 "Odor Threshholds for Chemicals with Established Occupational Health Standards", AIHA, Fairfax VA, 1989
3 MSDS sheet, www.arkema-inc.com

Agency Definitions

OSHA= Occupational Safety and Health Administration
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ACGIH=American Conference of Governmental Industrial Hygienistsn

Method Reference

ASTM D5504-12: Standard Test Method for Determination of Sulfur Compounds in Natural Gas and Gaseous Fuels by Gas Chromatography and Chemiluminescence

Exposure Limit Definitions

PEL= Permissable Exposure Limit TWA=Time Weighted Average TLV=Threashold Limit Value
REL=Recommended Exposure Limit NE= Not established

EMSL Analytical, Inc.

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:cs@emsl.com
EMSL-CIN-01

EMSL Order ID: 012542095
LIMS Reference ID: AD42095
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: City of Durham Parks-23050630 Ph. B (Lyon Park 823RI-9)
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 11/13/2025 09:20
Reported: 11/28/2025 09:45

EMSL Sample ID: AD42095-07
Customer Sample ID: 823-LFGP-7
Collected: 11/12/2025 15:15
Received: 11/13/2025 09:20

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
11/13/25 16:56	BDK1521	R1585.D	823-LFGP-7	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	11/13/25 16:56	
Total Target Compound Concentrations:			**0**			**0**			

Threshold Refernences

Analyte	Odor characteristics[2]	Lowest Validated Odor Threshold[2]	OSHA PEL (gen. Industry-ceiling) [1]	NIOSH REL (ceiling) [1]	ACGIH TLV (TWA) [1]
Hydrogen Sulfide	**Rotton eggs, flatus**	**1 ppb**	**20 ppm**	**10 ppm**	**1 ppm**
Carbonyl Sulfide	**Burnt matches, Burnt fireworks**	**NE**	**NE**	**NE**	**5 ppm**
Methyl Mercaptan	**Rotton cabbage odorized natural**	**0.0002 ppb**	**10 ppm**	**0.5 ppm**	**0.5 ppm**
Ethyl Mercaptan	**Rotton cabbage odorized natural**	**0.098 ppb**	**10 ppm**	**0.5 ppm**	**0.5 ppm**
Dimethyl Sulfide	**Garlic-like[3]**	**8 ppb**	**NE**	**NE**	**10 ppm**

Reference

1 www.osha.gov
2 "Odor Threshholds for Chemicals with Established Occupational Health Standards", AIHA, Fairfax VA, 1989
3 MSDS sheet, www.arkema-inc.com

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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= Permissable Exposure Limit TWA=Time Weighted Average TLV=Threashold Limit Value
REL=Recommended Exposure Limit NE= Not established

EMSL Analytical, Inc.

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:cs@emsl.com
EMSL-CIN-01

EMSL Order ID: 012542095
LIMS Reference ID: AD42095
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: City of Durham Parks-23050630 Ph. B (Lyon Park 823RI-9)
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 11/13/2025 09:20
Reported: 11/28/2025 09:45

EMSL Sample ID: AD42095-08
Customer Sample ID: 823-LFGP-DUP-01
Collected: 11/12/2025 00:00
Received: 11/13/2025 09:20

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
11/13/25 17:09	BDK1521	R1586.D	823-LFGP-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	11/13/25 17:09	
Total Target Compound Concentrations:			**0**			**0**			

Threshold Refernences

Analyte	Odor characteristics[2]	Lowest Validated Odor Threshold[2]	OSHA PEL (gen. Industry-ceiling) [1]	NIOSH REL (ceiling) [1]	ACGIH TLV (TWA) [1]
Hydrogen Sulfide	**Rotton eggs, flatus**	**1 ppb**	**20 ppm**	**10 ppm**	**1 ppm**
Carbonyl Sulfide	**Burnt matches, Burnt fireworks**	**NE**	**NE**	**NE**	**5 ppm**
Methyl Mercaptan	**Rotton cabbage odorized natural**	**0.0002 ppb**	**10 ppm**	**0.5 ppm**	**0.5 ppm**
Ethyl Mercaptan	**Rotton cabbage odorized natural**	**0.098 ppb**	**10 ppm**	**0.5 ppm**	**0.5 ppm**
Dimethyl Sulfide	**Garlic-like[3]**	**8 ppb**	**NE**	**NE**	**10 ppm**

Reference

1 www.osha.gov
2 "Odor Threshholds for Chemicals with Established Occupational Health Standards", AIHA, Fairfax VA, 1989
3 MSDS sheet, www.arkema-inc.com

Agency Definitions

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NIOSH=National Institute for Occupational Safety and Health
ACGIH=American Conference of Governmental Industrial Hygienistsn

Method Reference

ASTM D5504-12: Standard Test Method for Determination of Sulfur Compounds in Natural Gas and Gaseous Fuels by Gas Chromatography and Chemiluminescence

Exposure Limit Definitions

PEL= Permissable Exposure Limit TWA=Time Weighted Average TLV=Threashold Limit Value
REL=Recommended Exposure Limit NE= Not established

EMSL Analytical, Inc.

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:cs@emsl.com
EMSL-CIN-01

EMSL Order ID: 012542095
LIMS Reference ID: AD42095
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: City of Durham Parks-23050630 Ph. B (Lyon Park 823RI-9)
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 11/13/2025 09:20
Reported: 11/28/2025 09:45

Notes and Definitions

Item	Definition
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.

AD42095

EMSL ANALYTICAL, INC.

Environmental Chemistry - Sampling Event
Chain of Custody

EMSL Order Number / Lab Use Only

EMSL Analytical, Inc.
200 Rt. 130 N
Cinnaminson, NJ 08077
PHONE: (800) 220-3675
EMAIL: EnvChemistry2@EMSL.com

RECEIVED EMSL CINNAMINSON, NJ 2025 NOV 13 A 9:40

Customer Information

Customer ID:	
Company Name:	S&ME
Contact Name:	Gerald Paul
Street Address:	3201 Spring Forest Rd
City, State, Zip:	Raleigh, NC 27616
Country:	US
Phone:	919-801-5359 / 919-872-2660
Email(s) for Report:	jpaul@smeinc.com ; lhester@smeinc.com

Billing Information

Billing ID:	
Company Name:	
Billing Contact:	
Street Address:	
City, State, Zip:	
Country:	
Phone:	
Email(s) for Invoice:	

Project Name/No: City of Durham Parks - 23050630 Ph. B (East End Park 823RI-9)

Purchase Order:

EMSL LIMS Project ID: (If applicable, EMSL will provide)

US State where samples collected: NC

State of Connecticut (CT) must select project location: ☐ Commercial (Taxable) ☐ Residential (Non-Taxable)

Samples for Compliance? ☐ Yes ☐ No If Yes, for NPDES? ☐ Yes ☐ No Other (Specify)

PWS ID:

State Reporting Required? ☐ Yes ☐ No

Samples Collected by (Check One): ☐ EMSL ☑ CLIENT

Samples Received Chilled? ☐ ☐ No

Sample(s) Temperature Upon Receipt (LAB ONLY)

Sampled By Name: L. Hester

Sampled By Signature:

Sampler ID#: (If applicable)

No. Samples in Shipment:

Turn-Around-Time (TAT)

Standard Turn-Around-Time: ☑ 2 Weeks

The following TAT's are subject to Lab approval. Call lab to confirm TAT before submittal: ☐ 1 Week ☐ 4 Days ☐ 3 Days ☐ 2 Days ☐ 1 Day

Client Sample ID	Comp	Grab	Date / Time Collected 10/12/25	Matrix (DW=Drinking Water, WW=Wastewater, S=Soil, A=Air, SL=Sludge, O=Other)	Preservative (1=HCL, 2=HNO3, 3=H2SO4, 4=ICE, 5=Other Describe below in Special Instructions)	List Test(s) Needed: (Write in test below, then record # of bottles for each test in box) Test 1: ASTM D5504	Test 2:	Test 3:	Test 4:	Field pH	Field pH Test Time	Field Temp. Deg. C	Field Temp. Test Time	Comments
823-LFGP-4	☐	☒	1420	A		X								Low Level H2S
823-LFGP-3	☐	☒	1435	A		X								
823-LFGP-2	☐	☒	1425	A		X								
823-LFGP-1	☐	☒	1430	A		X								

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

24-hr hold NCDEQ EDD

Reporting requirements: ☐ Results Only ☐ Results and QC ☐ Reduced Deliverables ☐ Hzresults EDD ☐ Excel ☐ Other

Method of Shipment:

Sample Condition Upon Receipt: Received on Ice? Check if Yes ☐

Relinquished by: Date/Time: 11-12-25 1630

Received by: E-FX Date/Time 11/13/25 0920

Relinquished by: Date/Time:

Received by: Fed-Ex Date/Time 11/13/25 1022

Controlled Document - COC-60 Chemistry Sampling Event R4 07/15/2025

☐ AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

8 SAH

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.

EMSL ANALYTICAL, INC.

Environmental Chemistry - Sampling Event
Chain of Custody

AD42095

EMSL Order Number / Lab Use Only

EMSL Analytical, Inc.
200 Rt. 130 N
Cinnaminson, NJ 08077
PHONE: (800) 220-3675
EMAIL: EnvChemistry2@EMSL.com

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

24-hr hold

Client Sample ID	Comp	Grab	Date / Time Collected	Matrix (DW=Drinking Water, WW=Wastewater, S=Soil, A=Air, SL=Sludge, O=Other)	Preservative (1=HCL, 2=HNO3, 3=H2SO4, 4=ICE, 5=Other, Describe below in Special Instructions)	List Test(s) Needed: (Write in test below, then record # of bottles for each test in box) Test 1: ASTM D5504	Test 2:	Test 3:	Test 4:	Field pH	Field pH Test Time	Field Temp. Deg. C	Field Temp. Test Time	Comments
823-LFGP-5	☐	☒	11/12/25 1500	A		X								
823-LFGP-6	☐	☒	1510	A		X								
823-LFGP-7	☐	☒	1515	A		X								
823-LFGP-Dup-01	☐	☒	—	A		X								
	☐	☐												
	☐	☐												
	☐	☐												
	☐	☐												
	☐	☐												

RECEIVED
EMSL
CINNAMINSON, NJ
2025 NOV 13 A 9:40

Method of Shipment:

Sample Condition Upon Receipt:

Received on Ice? Check if Yes ☐

Relinquished by: Date/Time:

Received by: EFX Date/Time 11/13/25 0920

Relinquished by: Date/Time:

Received by: BaDx Date/Time 11/13/25 1105

☐ 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.

EMSL ANALYTICAL, INC.

Environmental Chemistry - Sampling Event
Chain of Custody

EMSL Order Number / Lab Use Only: 012542231

EMSL Analytical, Inc.
200 Rt. 130 N
Cinnaminson, NJ 08077
PHONE: (800) 220-3675
EMAIL: EnvChemistry2@EMSL.com

RECEIVED EMSL CINNAMINSON, NJ 2025 NOV 14 A 9:23

Customer Information

Customer ID:	
Company Name:	S&ME
Contact Name:	Gerald Paul
Street Address:	3201 Spring Forest Rd
City, State, Zip:	Raleigh, NC 27616
Country:	US
Phone:	919-801-5359 / 919-872-2660
Email(s) for Report:	jpaul@smeinc.com ; lhester@smeinc.com

Billing Information

Billing ID:	
Company Name:	
Billing Contact:	
Street Address:	
City, State, Zip:	
Country:	
Phone:	
Email(s) for Invoice:	

Project Name/No: City of Durham Parks - 23050630 Ph. B (East End Park 823RI-9)

Purchase Order:

EMSL LIMS Project ID: (If applicable, EMSL will provide)

US State where samples collected: NC

State of Connecticut (CT) must select project location: ☐ Commercial (Taxable) ☐ Residential (Non-Taxable)

Samples for Compliance? ☐ Yes ☐ No

If Yes, for NPDES? ☐ Yes ☐ No

Other (Specify)

PWS ID:

State Reporting Required? ☐ Yes ☐ No

Samples Collected by (Check One): ☐ EMSL ☑ CLIENT

Samples Received Chilled? ☐ ☐ No

Sample(s) Temperature Upon Receipt (LAB ONLY)

Sampled By Name: Logan Hester

Sampled By Signature:

Sampler ID#: (if applicable)

No. Samples in Shipment:

Turn-Around-Time (TAT)

Standard Turn-Around-Time: ☑ 2 Weeks

The following TAT's are subject to Lab approval. Call lab to confirm TAT before submittal: ☐ 1 Week ☐ 4 Days ☐ 3 Days ☐ 2 Days ☐ 1 Day

Client Sample ID	Comp	Grab	Date / Time Collected	Matrix (DW=Drinking Water, WW=Wastewater, S=Soil, A=Air, SL=Sludge, O=Other)	Preservative (1=HCL, 2=HNO3, 3=H2SO4, 4=ICE, 5=Other Describe below in Special Instructions)	List Test(s) Needed: Test 1: ASTM D5504	Test 2:	Test 3:	Test 4:	Field pH	Field pH Test Time	Field Temp. Deg. C	Field Temp. Test Time	Comments
B23-LFGP-8	☐	☒	11-13-25 1610	A		X								Low Level H2S bag empty - bottom seam split open lw 11/14/25
B23-LFGP-9	☐	☒	1500	"		X								"
B23-LFGP-10	☐	☒	1605	"		X								"
	☐	☐												

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

24-hr. hold

Reporting requirements: ☐ Results Only ☐ Results and QC ☐ Reduced Deliverables ☐ Hzresults EDD ☐ Excel ☐ Other

Method of Shipment: FedEx

Relinquished by:

Date/Time: 11-13-25

Relinquished by:

Date/Time:

Sample Condition Upon Receipt:

Received on Ice? Check if Yes ☐

Received by: Stericycle E-FX

Date/Time 11/14/25 0915

Received by: Kinsley AIR TOXICS

Date/Time 11/14/25 0950

☐ 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.

3 SAH

EMSL Analytical, Inc.

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:cs@emsl.com
EMSL-CIN-01

EMSL Order ID: 012542726
LIMS Reference ID: AD42726
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: Durham Parks 23050630 - 823 - East End
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 11/18/2025 12:20
Reported: 12/04/2025 13:23

Samples in this Report

Lab ID	Sample	Matrix	Date Sampled	Date Received
AD42726-01	823-LFGP-8	Air	11/17/2025	11/18/2025

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: 012542726
LIMS Reference ID: AD42726
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: Durham Parks 23050630 - 823 - East End
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 11/18/2025 12:20
Reported: 12/04/2025 13:23

Analysis Case Narrative

Method Reference
ASTM D5504-12: Standard Test Method for Determination of Sulfur Compounds in Natural Gas and Gaseous Fuels by Gas Chromatography and Chemiluminescence, ASTM International, West Conshohocken, PA, 2012,

Column
Agilent DB-Sulfur SCD, 70m x 0.53mm ID x 4.3µm

Concentrator Traps:
2.0 cc Loop

Gas Standards:
Certified Gas standards were used for all analyses.

Sample Volumes:
Sample volume aliquots for this procedure is 2.0 cc by loop injection.

Sampling Pressures:
All samples were received at acceptable pressure/vacuum unless listed below.

Holding Times:
All holding times were met.

Sample Pressures:
All samples received in summa canisters were sightly pressurized with UHP diluent and transferred to tedlar bags prior to analysis.

Sample Pressures:

Initial Calibration:
All acceptance criteria were met.

Initial Calibration Verification Standard (ICVS)- Second Source:
All acceptance criteria were met.

Laboratory Control Samples (LCS):
All acceptance criteria were met.

Continuing Calibration Verification Standard (CCVS):
All acceptance criteria were met.

Method Blanks (MB):
All acceptance criteria were met.

Sample Duplicate:
All acceptance criteria were met.

EMSL Analytical, Inc.

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:cs@emsl.com
EMSL-CIN-01

EMSL Order ID: 012542726
LIMS Reference ID: AD42726
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: Durham Parks 23050630 - 823 - East End
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 11/18/2025 12:20
Reported: 12/04/2025 13:23

EMSL Analytical, Inc. certifies that this data package is in compliance with the terme and conditions of this contract, both technically and for completeness, for other thatn the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer ---readable data submitted on diskette has been authorized by the laboratory manager or his/her designee, as verified by the following signature

Owen McKenna Laboratory Manager or other approved signatory

EMSL Analytical, Inc.

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:cs@emsl.com
EMSL-CIN-01

EMSL Order ID: 012542726
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S&ME, Inc. [SMEI60]
3201 Spring Forest Road
Raleigh, NC 27616
(919) 872-2660
jpaul@smeinc.com

Project Name: Durham Parks 23050630 - 823 - East End
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 11/18/2025 12:20
Reported: 12/04/2025 13:23

EMSL Sample ID: AD42726-01
Customer Sample ID: 823-LFGP-8
Collected: 11/17/2025 15:30
Received: 11/18/2025 12:20

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
11/18/25 16:08	BDK2010	R1620.D	823-LFGP-8	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	11/18/25 16:08	
Total Target Compound Concentrations:			**0**			**0**			

Threshold Refernences

Analyte	Odor characteristics[2]	Lowest Validated Odor Threshold[2]	OSHA PEL (gen. Industry-ceiling) [1]	NIOSH REL (ceiling) [1]	ACGIH TLV (TWA) [1]
Hydrogen Sulfide	**Rotton eggs, flatus**	**1 ppb**	**20 ppm**	**10 ppm**	**1 ppm**
Carbonyl Sulfide	**Burnt matches, Burnt fireworks**	**NE**	**NE**	**NE**	**5 ppm**
Methyl Mercaptan	**Rotton cabbage odorized natural**	**0.0002 ppb**	**10 ppm**	**0.5 ppm**	**0.5 ppm**
Ethyl Mercaptan	**Rotton cabbage odorized natural**	**0.098 ppb**	**10 ppm**	**0.5 ppm**	**0.5 ppm**
Dimethyl Sulfide	**Garlic-like[3]**	**8 ppb**	**NE**	**NE**	**10 ppm**

Reference

1 www.osha.gov
2 "Odor Threshholds for Chemicals with Established Occupational Health Standards", AIHA, Fairfax VA, 1989
3 MSDS sheet, www.arkema-inc.com

Agency Definitions

OSHA= Occupational Safety and Health Administration
NIOSH=National Institute for Occupational Safety and Health
ACGIH=American Conference of Governmental Industrial Hygienistsn

Method Reference

ASTM D5504-12: Standard Test Method for Determination of Sulfur Compounds in Natural Gas and Gaseous Fuels by Gas Chromatography and Chemiluminescence

Exposure Limit Definitions

PEL= Permissable Exposure Limit TWA=Time Weighted Average TLV=Threashold Limit Value
REL=Recommended Exposure Limit NE= Not established

EMSL Analytical, Inc.

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:cs@emsl.com
EMSL-CIN-01

EMSL Order ID: 012542726
LIMS Reference ID: AD42726
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: Durham Parks 23050630 - 823 - East End
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 11/18/2025 12:20
Reported: 12/04/2025 13:23

Notes and Definitions

Item	Definition
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.

EMSL ANALYTICAL, INC.

823

Environmental Chemistry - Sampling Event
Chain of Custody

EMSL Order Number / Lab Use Only
AD427216

EMSL Analytical, Inc.
200 Rt. 130 N
Cinnaminson, NJ 08077

PHONE: (800) 220-3675
EMAIL: EnvChemistry2@EMSL.com

Customer Information

Customer ID:
Company Name: S&ME
Contact Name: Gerald Paul
Street Address: 3201 Spring Forest Rd
City, State, Zip: Raleigh, NC 27616 Country: US
Phone: 919-801-5359
Email(s) for Report: jpaul@smeinc.com

Billing Information

Billing ID:
Company Name:
Billing Contact:
Street Address:
City, State, Zip: Country:
Phone:
Email(s) for Invoice:

Project Name/No: Durham Parks 23050630 - 823 - East End
Purchase Order:

EMSL LIMS Project ID: (If applicable, EMSL will provide)
US State where samples collected: NC
State of Connecticut (CT) must select project location: ☐ Commercial (Taxable) ☐ Residential (Non-Taxable)

Samples for Compliance? ☐ Yes ☐ No If Yes, for NPDES? ☐ Yes ☐ No
Other (Specify)
PWS ID:
State Reporting Required? ☐ Yes ☐ No

Samples Collected by (Check One): ☐ EMSL ☑ CLIENT
Samples Received Chilled? ☐ ☐ No
Sample(s) Temperature Upon Receipt (LAB ONLY)

Sampled By Name: Brandon Governo
Sampled By Signature:
Sampler ID#: (if applicable)
No. Samples in Shipment:

Turn-Around-Time (TAT)

Standard Turn-Around-Time: ☑ 2 Weeks
The following TAT's are subject to Lab approval. Call lab to confirm TAT before submittal: ☐ 1 Week ☐ 4 Days ☐ 3 Days ☐ 2 Days ☐ 1 Day

Client Sample ID	Comp	Grab	Date / Time Collected	Matrix (DW=Drinking Water, WW=Wastewater, S=Soil, A=Air, SL=Sludge, O=Other)	Preservative (1=HCL, 2=HNO3, 3=H2SO4, 4=ICE, 5=Other, Describe below in Special Instructions)	List Test(s) Needed: (Write in test below, then record # of bottles for each test in box) Test 1: ASTM D5504	Test 2:	Test 3:	Test 4:	Field pH	Field pH Test Time	Field Temp. Deg. C	Field Temp. Test Time	Comments
823-LFGP-8	☐	☒	11-17 / 1530	A		X								Low Level H2S
	☐	☐												
	☐	☐												
	☐	☐												

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Reporting requirements: ☐ Results Only ☐ Results and QC ☐ Reduced Deliverables ☐ Hzresults EDD ☐ Excel ☐ Other

Method of Shipment: Fedex
Sample Condition Upon Receipt:
Received on Ice? Check if Yes ☐

Relinquished by: Brandon Governo
Date/Time: 11-17-25 1710
Received by: ECR
Date/Time: 11/18/25 1200

Relinquished by:
Date/Time:
Received by:
Date/Time:

☒ 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.

EMSL Analytical, Inc.

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:cs@emsl.com
EMSL-CIN-01

EMSL Order ID: 012542231
LIMS Reference ID: AD42231
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: City of Durham Parks-23050630 Ph. A (East End Park 823RI-9)
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 11/14/2025 09:15
Reported: 12/02/2025 17:08

Samples in this Report

Lab ID	Sample	Matrix	Date Sampled	Date Received
AD42231-01	823-LFGP-9	Air	11/13/2025	11/14/2025
AD42231-02	823-LFGP-10	Air	11/13/2025	11/14/2025

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

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jpaul@smeinc.com

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Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 11/14/2025 09:15
Reported: 12/02/2025 17:08

Analysis Case Narrative

Method Reference
ASTM D5504-12: Standard Test Method for Determination of Sulfur Compounds in Natural Gas and Gaseous Fuels by Gas Chromatography and Chemiluminescence, ASTM International, West Conshohocken, PA, 2012,

Column
Agilent DB-Sulfur SCD, 70m x 0.53mm ID x 4.3µm

Concentrator Traps:
2.0 cc Loop

Gas Standards:
Certified Gas standards were used for all analyses.

Sample Volumes:
Sample volume aliquots for this procedure is 2.0 cc by loop injection.

Sampling Pressures:
All samples were received at acceptable pressure/vacuum unless listed below.

Holding Times:
All holding times were met.

Sample Pressures:
All samples received in summa canisters were sightly pressurized with UHP diluent and transferred to tedlar bags prior to analysis.

Sample Pressures:

Sample ID	Analysis	Analyzed	Dilution
AD42231-01	49-Hydrogen Sulfide by ASTM D5504		No Dilutions
AD42231-02	49-Hydrogen Sulfide by ASTM D5504		No Dilutions

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.

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EMSL-CIN-01

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LIMS Reference ID: AD42231
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Attention: Gerald Paul
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3201 Spring Forest Road
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jpaul@smeinc.com

Project Name: City of Durham Parks-23050630 Ph. A (East End Park 823RI-9)
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 11/14/2025 09:15
Reported: 12/02/2025 17:08

EMSL Analytical, Inc. certifies that this data package is in compliance with the terme and conditions of this contract, both technically and for completeness, for other thatn the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer ---readable data submitted on diskette has been authorized by the laboratory manager or his/her designee, as verified by the following signature

Owen McKenna Laboratory Manager or other approved signatory

EMSL Analytical, Inc.

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Telephone: 856-858-4800 Fax:cs@emsl.com
EMSL-CIN-01

EMSL Order ID: 012542231
LIMS Reference ID: AD42231
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: City of Durham Parks-23050630 Ph. A (East End Park 823RI-9)
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 11/14/2025 09:15
Reported: 12/02/2025 17:08

EMSL Sample ID: AD42231-01
Customer Sample ID: 823-LFGP-9
Collected: 11/13/2025 16:00
Received: 11/14/2025 09:15

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
11/14/25 17:32	BDK1688	R1599.D	823-LFGP-9	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	11/14/25 17:32	
Total Target Compound Concentrations:			**0**			**0**			

Threshold Refernences

Analyte	Odor characteristics[2]	Lowest Validated Odor Threshold[2]	OSHA PEL (gen. Industry-ceiling) [1]	NIOSH REL (ceiling) [1]	ACGIH TLV (TWA) [1]
Hydrogen Sulfide	**Rotton eggs, flatus**	**1 ppb**	**20 ppm**	**10 ppm**	**1 ppm**
Carbonyl Sulfide	**Burnt matches, Burnt fireworks**	**NE**	**NE**	**NE**	**5 ppm**
Methyl Mercaptan	**Rotton cabbage odorized natural**	**0.0002 ppb**	**10 ppm**	**0.5 ppm**	**0.5 ppm**
Ethyl Mercaptan	**Rotton cabbage odorized natural**	**0.098 ppb**	**10 ppm**	**0.5 ppm**	**0.5 ppm**
Dimethyl Sulfide	**Garlic-like[3]**	**8 ppb**	**NE**	**NE**	**10 ppm**

Reference

1 www.osha.gov
2 "Odor Threshholds for Chemicals with Established Occupational Health Standards", AIHA, Fairfax VA, 1989
3 MSDS sheet, www.arkema-inc.com

Agency Definitions

OSHA= Occupational Safety and Health Administration
NIOSH=National Institute for Occupational Safety and Health
ACGIH=American Conference of Governmental Industrial Hygienistsn

Method Reference

ASTM D5504-12: Standard Test Method for Determination of Sulfur Compounds in Natural Gas and Gaseous Fuels by Gas Chromatography and Chemiluminescence

Exposure Limit Definitions

PEL= Permissable Exposure Limit TWA=Time Weighted Average TLV=Threashold Limit Value
REL=Recommended Exposure Limit NE= Not established

EMSL Analytical, Inc.

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:cs@emsl.com
EMSL-CIN-01

EMSL Order ID: 012542231
LIMS Reference ID: AD42231
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: City of Durham Parks-23050630 Ph. A (East End Park 823RI-9)
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 11/14/2025 09:15
Reported: 12/02/2025 17:08

EMSL Sample ID: AD42231-02
Customer Sample ID: 823-LFGP-10
Collected: 11/13/2025 16:05
Received: 11/14/2025 09:15

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
11/14/25 17:45	BDK1688	R1600.D	823-LFGP-10	2 cc	1	KW

ASTM D5504-Sample Summary

Target Compounds	Cas#	MW	Result ppbv	RL ppbv	DF	Result ug/m3	RL ug/m3	Analyzed	Q
Hydrogen Sulfide	7783-06-4	34.1	ND	10	1	ND	14	11/14/25 17:45	
Total Target Compound Concentrations:			**0**			**0**			

Threshold Refernences

Analyte	Odor characteristics[2]	Lowest Validated Odor Threshold[2]	OSHA PEL (gen. Industry-ceiling) [1]	NIOSH REL (ceiling) [1]	ACGIH TLV (TWA) [1]
Hydrogen Sulfide	**Rotton eggs, flatus**	**1 ppb**	**20 ppm**	**10 ppm**	**1 ppm**
Carbonyl Sulfide	**Burnt matches, Burnt fireworks**	**NE**	**NE**	**NE**	**5 ppm**
Methyl Mercaptan	**Rotton cabbage odorized natural**	**0.0002 ppb**	**10 ppm**	**0.5 ppm**	**0.5 ppm**
Ethyl Mercaptan	**Rotton cabbage odorized natural**	**0.098 ppb**	**10 ppm**	**0.5 ppm**	**0.5 ppm**
Dimethyl Sulfide	**Garlic-like[3]**	**8 ppb**	**NE**	**NE**	**10 ppm**

Reference

1 www.osha.gov
2 "Odor Threshholds for Chemicals with Established Occupational Health Standards", AIHA, Fairfax VA, 1989
3 MSDS sheet, www.arkema-inc.com

Agency Definitions

OSHA= Occupational Safety and Health Administration
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ACGIH=American Conference of Governmental Industrial Hygienistsn

Method Reference

ASTM D5504-12: Standard Test Method for Determination of Sulfur Compounds in Natural Gas and Gaseous Fuels by Gas Chromatography and Chemiluminescence

Exposure Limit Definitions

PEL= Permissable Exposure Limit TWA=Time Weighted Average TLV=Threashold Limit Value
REL=Recommended Exposure Limit NE= Not established

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Telephone: 856-858-4800 Fax:cs@emsl.com
EMSL-CIN-01

EMSL Order ID: 012542231
LIMS Reference ID: AD42231
EMSL Customer ID: SMEI60

Attention: Gerald Paul
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3201 Spring Forest Road
Raleigh, NC 27616
(919) 872-2660
jpaul@smeinc.com

Project Name: City of Durham Parks-23050630 Ph. A (East End Park 823RI-9)
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 11/14/2025 09:15
Reported: 12/02/2025 17:08

Notes and Definitions

Item	Definition
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.

EMSL ANALYTICAL, INC.

Environmental Chemistry - Sampling Event
Chain of Custody

EMSL Order Number / Lab Use Only: 012542231

EMSL Analytical, Inc.
200 Rt. 130 N
Cinnaminson, NJ 08077
PHONE: (800) 220-3675
EMAIL: EnvChemistry2@EMSL.com

RECEIVED EMSL CINNAMINSON, NJ 2025 NOV 14 A 9:23

Customer Information

Customer ID:	
Company Name:	S&ME
Contact Name:	Gerald Paul
Street Address:	3201 Spring Forest Rd
City, State, Zip:	Raleigh, NC 27616
Country:	US
Phone:	919-801-5359 / 919-872-2660
Email(s) for Report:	jpaul@smeinc.com ; lhester@smeinc.com

Billing Information

Billing ID:	
Company Name:	
Billing Contact:	
Street Address:	
City, State, Zip:	
Country:	
Phone:	
Email(s) for Invoice:	

Project Name/No: City of Durham Parks - 23050630 Ph. B (East End Park 823RI-9)

Purchase Order:

EMSL LIMS Project ID: (If applicable, EMSL will provide)

US State where samples collected: NC

State of Connecticut (CT) must select project location: ☐ Commercial (Taxable) ☐ Residential (Non-Taxable)

Samples for Compliance? ☐ Yes ☐ No

If Yes, for NPDES? ☐ Yes ☐ No

Other (Specify)

PWS ID:

State Reporting Required? ☐ Yes ☐ No

Samples Collected by (Check One): ☐ EMSL ☑ CLIENT

Samples Received Chilled? ☐ ☐ No

Sample(s) Temperature Upon Receipt (LAB ONLY)

Sampled By Name: Logan Hester

Sampled By Signature:

Sampler ID#: (if applicable)

No. Samples in Shipment:

Turn-Around-Time (TAT)

Standard Turn-Around-Time: ☑ 2 Weeks

The following TAT's are subject to Lab approval. Call lab to confirm TAT before submittal: ☐ 1 Week ☐ 4 Days ☐ 3 Days ☐ 2 Days ☐ 1 Day

Client Sample ID	Comp	Grab	Date / Time Collected	Matrix (DW=Drinking Water, WW=Wastewater, S=Soil, A=Air, SL=Sludge, O=Other)	Preservative (1=HCL, 2=HNO3, 3=H2SO4, 4=ICE, 5=Other Describe below in Special Instructions)	List Test(s) Needed: Test 1: ASTM D5504	Test 2:	Test 3:	Test 4:	Field pH	Field pH Test Time	Field Temp. Deg. C	Field Temp. Test Time	Comments
B23-LFGP-8	☐	☒	11-13-25 1610	A		X								Low Level H2S bag empty - bottom seam split open lw 11/14/25
B23-LFGP-9	☐	☒	1500	"		X								"
B23-LFGP-10	☐	☒	1605	"		X								"
	☐	☐												

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

24-hr. hold

Reporting requirements: ☐ Results Only ☐ Results and QC ☐ Reduced Deliverables ☐ Hzresults EDD ☐ Excel ☐ Other

Method of Shipment: FedEx

Relinquished by:

Date/Time: 11-13-25

Relinquished by:

Date/Time:

Sample Condition Upon Receipt:

Received on Ice? Check if Yes ☐

Received by: Stericycle E-FX

Date/Time 11/14/25 0915

Received by: Kinsley AIR TOXICS

Date/Time 11/14/25 0950

☐ 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.

3 SAH

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 10/27/2025 8:00:28 AM

JOB DESCRIPTION

East End Park, Durham, NC

JOB NUMBER

752-38050-1

Eurofins Raleigh
104 Woodwinds Industrial Court
Suite A
Cary NC 27511

See page two for job notes and contact information.

myEOL

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
10/27/2025 8:00:28 AM

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

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 6
Detection Summary 7
Client Sample Results 11
Surrogate Summary 41
Isotope Dilution Summary 42
QC Sample Results 43
QC Association Summary 63
Lab Chronicle 68
Certification Summary 72
Method Summary 73
Sample Summary 74
Chain of Custody 75
Receipt Checklists 79

Definitions/Glossary

Client: S&ME Inc
Job ID: 752-38050-1
Project/Site: East End Park, Durham, NC

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.

GC/MS Semi 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.

HPLC/IC

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
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.

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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
752-38050-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 10/14/2025 8:00 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 1.9°C and 2.8°C.

GC/MS VOA
Method 8260D: The laboratory control sample (LCS) for analytical batch 400-727624 recovered outside control limits for the following analytes: Acetone, Hexachlorobutadiene, 2-Hexanone, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene and 1,1,2-Trichloro-1,2,2-trifluoroethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The laboratory control sample (LCS) for analytical batch 400-727815 recovered outside control limits for the following analytes: 1,1,2-Trichloro-1,2,2-trifluoroethane and 1,2,3-Trichlorobenzene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

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

GC/MS Semi VOA
Method 8270E_QQQ: The laboratory control sample (LCS) for preparation batch 400-727030 and analytical batch 400-727667 recovered outside control limits for the following analytes: 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2-Nitrophenol, 4,6-Dinitro-2-methylphenol and 4-Nitrophenol. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

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

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

Metals
Method 6020B - Total Recoverable: The reference method requires samples to be preserved to a pH of <2. The following sample was received with insufficient preservation at a pH of 6: MW-1 (752-38050-1). The sample was preserved to the appropriate pH in the laboratory.

Method 6020B - Total Recoverable: The method blank for preparation batch 705-89479 and analytical batch 705-89940 contained Copper, Manganese and Vanadium above the method detection limit (MDL). These target analyte concentrations were less than the reporting limit (RL) in the method blank; therefore, re-digestion and/or re-analysis of samples was not performed.

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

General Chemistry
Method 350.1: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-6 (752-38050-5). Elevated reporting limits (RLs) are provided.

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

Detection Summary

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38050-1

Client Sample ID: MW-1 — Lab Sample ID: 752-38050-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Caprolactam	4.94	J	9.93	2.38	ug/L	1		8270E	Total/NA
Sulfate	2.23		1.00	0.390	mg/L	1		9056A	Total/NA
Arsenic	2.02	J	5.00	1.32	ug/L	1		6020B	Total Recoverable
Barium	157		10.0	0.410	ug/L	1		6020B	Total Recoverable
Copper	0.923	J B	2.00	0.642	ug/L	1		6020B	Total Recoverable
Lead	1.62		1.00	0.864	ug/L	1		6020B	Total Recoverable
Manganese	68.3	B	5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	0.952	J	5.00	0.422	ug/L	1		6020B	Total Recoverable
Vanadium	3.05	J B	5.00	1.22	ug/L	1		6020B	Total Recoverable
Nitrate Nitrite as N	0.0130	J	0.100	0.0100	mg/L	1		353.2-1993 R2.0	Total/NA
Nitrate as N	0.0130	J	0.100	0.0100	mg/L	1		Nitrate by calc	Total/NA

Client Sample ID: MW-2 — Lab Sample ID: 752-38050-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	10.2		1.00	0.390	mg/L	1		9056A	Total/NA
Barium	590		10.0	0.410	ug/L	1		6020B	Total Recoverable
Copper	1.29	J B	2.00	0.642	ug/L	1		6020B	Total Recoverable
Lead	0.938	J	1.00	0.864	ug/L	1		6020B	Total Recoverable
Manganese	202	B	5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	1.35	J	5.00	0.422	ug/L	1		6020B	Total Recoverable
Vanadium	4.73	J B	5.00	1.22	ug/L	1		6020B	Total Recoverable
Zinc	12.4		10.0	8.91	ug/L	1		6020B	Total Recoverable

Client Sample ID: MW-3 — Lab Sample ID: 752-38050-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenol - RA	1.59	J	10.0	0.682	ug/L	1		8270E	Total/NA
Sulfate	13.1		1.00	0.390	mg/L	1		9056A	Total/NA
Barium	205		10.0	0.410	ug/L	1		6020B	Total Recoverable
Chromium	7.61		5.00	3.69	ug/L	1		6020B	Total Recoverable
Cobalt	0.601	J	5.00	0.411	ug/L	1		6020B	Total Recoverable
Copper	3.62	B	2.00	0.642	ug/L	1		6020B	Total Recoverable
Lead	1.08		1.00	0.864	ug/L	1		6020B	Total Recoverable
Manganese	45.4	B	5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	2.15	J	5.00	0.422	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-3 (Continued)

Lab Sample ID: 752-38050-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vanadium	4.25	J B	5.00	1.22	ug/L	1		6020B	Total Recoverable
Zinc	34.7		10.0	8.91	ug/L	1		6020B	Total Recoverable
Ammonia (as N)	0.306		0.0500	0.0460	mg/L	1		350.1	Total/NA
Nitrate Nitrite as N	0.0340	J	0.100	0.0100	mg/L	1		353.2-1993 R2.0	Total/NA
Nitrate as N	0.0340	J	0.100	0.0100	mg/L	1		Nitrate by calc	Total/NA

Client Sample ID: MW-4

Lab Sample ID: 752-38050-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	8.15		1.00	0.390	mg/L	1		9056A	Total/NA
Barium	327		10.0	0.410	ug/L	1		6020B	Total Recoverable
Beryllium	0.696	J	1.00	0.147	ug/L	1		6020B	Total Recoverable
Chromium	6.16		5.00	3.69	ug/L	1		6020B	Total Recoverable
Cobalt	4.01	J	5.00	0.411	ug/L	1		6020B	Total Recoverable
Copper	18.3	B	2.00	0.642	ug/L	1		6020B	Total Recoverable
Lead	2.20		1.00	0.864	ug/L	1		6020B	Total Recoverable
Manganese	461	B	5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	11.1		5.00	0.422	ug/L	1		6020B	Total Recoverable
Vanadium	13.8	B	5.00	1.22	ug/L	1		6020B	Total Recoverable
Zinc	240		10.0	8.91	ug/L	1		6020B	Total Recoverable
Ammonia (as N)	0.0590		0.0500	0.0460	mg/L	1		350.1	Total/NA
Nitrite as N	0.110		0.100	0.0168	mg/L	1		353.2	Total/NA
Nitrate Nitrite as N	0.263		0.100	0.0100	mg/L	1		353.2-1993 R2.0	Total/NA
Nitrate as N	0.153		0.100	0.0100	mg/L	1		Nitrate by calc	Total/NA

Client Sample ID: MW-6

Lab Sample ID: 752-38050-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	0.504	J	1.00	0.390	mg/L	1		9056A	Total/NA
Arsenic	8.54		5.00	1.32	ug/L	1		6020B	Total Recoverable
Barium	701		10.0	0.410	ug/L	1		6020B	Total Recoverable
Cobalt	1.71	J	5.00	0.411	ug/L	1		6020B	Total Recoverable
Copper	2.41	B	2.00	0.642	ug/L	1		6020B	Total Recoverable
Lead	4.32		1.00	0.864	ug/L	1		6020B	Total Recoverable
Manganese	2180	B	5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	1.94	J	5.00	0.422	ug/L	1		6020B	Total Recoverable
Vanadium	4.49	J B	5.00	1.22	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-6 (Continued) — Lab Sample ID: 752-38050-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	20.2		10.0	8.91	ug/L	1		6020B	Total Recoverable
Ammonia (as N)	6.45		0.100	0.0920	mg/L	2		350.1	Total/NA
Nitrite as N	0.0313	J	0.100	0.0168	mg/L	1		353.2	Total/NA
Nitrate Nitrite as N	0.0690	J	0.100	0.0100	mg/L	1		353.2-1993 R2.0	Total/NA
Nitrate as N	0.0377	J	0.100	0.0100	mg/L	1		Nitrate by calc	Total/NA

Client Sample ID: MW-8 — Lab Sample ID: 752-38050-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	17.8		1.00	0.220	ug/L	1		8260D	Total/NA
Sulfate	0.545	J	1.00	0.390	mg/L	1		9056A	Total/NA
Arsenic	2.53	J	5.00	1.32	ug/L	1		6020B	Total Recoverable
Barium	1440		10.0	0.410	ug/L	1		6020B	Total Recoverable
Cobalt	1.62	J	5.00	0.411	ug/L	1		6020B	Total Recoverable
Copper	2.00	B	2.00	0.642	ug/L	1		6020B	Total Recoverable
Manganese	3130	B	5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	2.87	J	5.00	0.422	ug/L	1		6020B	Total Recoverable
Vanadium	5.59	B	5.00	1.22	ug/L	1		6020B	Total Recoverable
Zinc	15.7		10.0	8.91	ug/L	1		6020B	Total Recoverable
Nitrate Nitrite as N	0.0250	J F1 F2	0.100	0.0100	mg/L	1		353.2-1993 R2.0	Total/NA
Nitrate as N	0.0250	J	0.100	0.0100	mg/L	1		Nitrate by calc	Total/NA

Client Sample ID: 101325-Dup1 — Lab Sample ID: 752-38050-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Caprolactam	7.94	J	10.1	2.42	ug/L	1		8270E	Total/NA
Sulfate	2.43		1.00	0.390	mg/L	1		9056A	Total/NA
Arsenic	1.50	J	5.00	1.32	ug/L	1		6020B	Total Recoverable
Barium	156		10.0	0.410	ug/L	1		6020B	Total Recoverable
Copper	1.59	J B	2.00	0.642	ug/L	1		6020B	Total Recoverable
Lead	2.04		1.00	0.864	ug/L	1		6020B	Total Recoverable
Manganese	73.0	B	5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	1.25	J	5.00	0.422	ug/L	1		6020B	Total Recoverable
Vanadium	2.97	J B	5.00	1.22	ug/L	1		6020B	Total Recoverable
Zinc	16.7		10.0	8.91	ug/L	1		6020B	Total Recoverable
Nitrate Nitrite as N	0.0220	J	0.100	0.0100	mg/L	1		353.2-1993 R2.0	Total/NA
Nitrate as N	0.0220	J	0.100	0.0100	mg/L	1		Nitrate by calc	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: S&ME Inc
Job ID: 752-38050-1
Project/Site: East End Park, Durham, NC

Client Sample ID: Trip Blank 1
Lab Sample ID: 752-38050-8

No Detections.

This Detection Summary does not include radiochemical test results.

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38050-1

Client Sample ID: MW-1

Date Collected: 10/13/25 11:25
Date Received: 10/14/25 08:00

Lab Sample ID: 752-38050-1

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			10/22/25 16:01	1
Benzene	ND		1.00	0.500	ug/L			10/22/25 16:01	1
Bromobenzene	ND		1.00	0.540	ug/L			10/22/25 16:01	1
Bromoform	ND		5.00	0.250	ug/L			10/22/25 16:01	1
Bromomethane	ND		1.00	0.980	ug/L			10/22/25 16:01	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			10/22/25 16:01	1
Carbon disulfide	ND		1.00	0.500	ug/L			10/22/25 16:01	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			10/22/25 16:01	1
Chlorobenzene	ND		1.00	0.420	ug/L			10/22/25 16:01	1
Chlorobromomethane	ND		1.00	0.520	ug/L			10/22/25 16:01	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			10/22/25 16:01	1
Chloroethane	ND		1.00	0.760	ug/L			10/22/25 16:01	1
Chloroform	ND		1.00	0.900	ug/L			10/22/25 16:01	1
Chloromethane	ND		1.00	0.400	ug/L			10/22/25 16:01	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			10/22/25 16:01	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			10/22/25 16:01	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			10/22/25 16:01	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			10/22/25 16:01	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			10/22/25 16:01	1
Dibromomethane	ND		5.00	0.220	ug/L			10/22/25 16:01	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			10/22/25 16:01	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			10/22/25 16:01	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			10/22/25 16:01	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			10/22/25 16:01	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			10/22/25 16:01	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			10/22/25 16:01	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			10/22/25 16:01	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			10/22/25 16:01	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			10/22/25 16:01	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			10/22/25 16:01	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			10/22/25 16:01	1
Ethyl acetate	ND		10.0	6.14	ug/L			10/22/25 16:01	1
Ethylbenzene	ND		1.00	0.500	ug/L			10/22/25 16:01	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			10/22/25 16:01	1
Hexachlorobutadiene	ND	*+	5.00	0.900	ug/L			10/22/25 16:01	1
Hexane	ND		1.00	0.960	ug/L			10/22/25 16:01	1
2-Hexanone	ND	*+	25.0	4.26	ug/L			10/22/25 16:01	1
Iodomethane	ND		1.00	0.900	ug/L			10/22/25 16:01	1
Isopropylbenzene	ND		1.00	0.530	ug/L			10/22/25 16:01	1
Isopropyl ether	ND		1.00	0.740	ug/L			10/22/25 16:01	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			10/22/25 16:01	1
Methylene Chloride	ND		5.00	3.00	ug/L			10/22/25 16:01	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			10/22/25 16:01	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			10/22/25 16:01	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			10/22/25 16:01	1
Naphthalene	ND		5.00	3.00	ug/L			10/22/25 16:01	1
n-Butylbenzene	ND		1.00	0.760	ug/L			10/22/25 16:01	1
n-Heptane	ND		1.00	0.210	ug/L			10/22/25 16:01	1
N-Propylbenzene	ND		1.00	0.690	ug/L			10/22/25 16:01	1

Client Sample ID: MW-1
Date Collected: 10/13/25 11:25
Date Received: 10/14/25 08:00

Lab Sample ID: 752-38050-1
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			10/22/25 16:01	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			10/22/25 16:01	1
Styrene	ND		1.00	1.00	ug/L			10/22/25 16:01	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			10/22/25 16:01	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			10/22/25 16:01	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			10/22/25 16:01	1
Tetrachloroethene	ND		1.00	0.330	ug/L			10/22/25 16:01	1
Toluene	ND		1.00	0.900	ug/L			10/22/25 16:01	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			10/22/25 16:01	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			10/22/25 16:01	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			10/22/25 16:01	1
1,2,3-Trichlorobenzene	ND	*+	1.00	0.900	ug/L			10/22/25 16:01	1
1,2,4-Trichlorobenzene	ND	*+	1.00	0.820	ug/L			10/22/25 16:01	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			10/22/25 16:01	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			10/22/25 16:01	1
Trichloroethene	ND		1.00	0.150	ug/L			10/22/25 16:01	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			10/22/25 16:01	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			10/22/25 16:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*+	1.00	0.500	ug/L			10/22/25 16:01	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			10/22/25 16:01	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			10/22/25 16:01	1
Vinyl acetate	ND		25.0	0.930	ug/L			10/22/25 16:01	1
Vinyl chloride	ND		1.00	0.500	ug/L			10/22/25 16:01	1
Xylenes, Total	ND		10.0	6.00	ug/L			10/22/25 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*56 - 136*		*10/22/25 16:01*	*1*
Dibromofluoromethane	*102*		*79 - 130*		*10/22/25 16:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*59 - 146*		*10/22/25 16:01*	*1*
Toluene-d8 (Surr)	*113*		*64 - 132*		*10/22/25 16:01*	*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		0.312	0.312	ug/L		10/17/25 16:48	10/20/25 14:56	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*18*		*10 - 140*	*10/17/25 16:48*	*10/20/25 14:56*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.93	0.417	ug/L		10/16/25 10:31	10/22/25 15:44	1
2,4,5-Trichlorophenol	ND		9.93	0.536	ug/L		10/16/25 10:31	10/22/25 15:44	1
2,4,6-Trichlorophenol	ND		9.93	1.08	ug/L		10/16/25 10:31	10/22/25 15:44	1
2,4-Dichlorophenol	ND		9.93	0.566	ug/L		10/16/25 10:31	10/22/25 15:44	1
2,4-Dimethylphenol	ND		9.93	0.238	ug/L		10/16/25 10:31	10/22/25 15:44	1
2,4-Dinitrophenol	ND	*+	29.8	4.65	ug/L		10/16/25 10:31	10/22/25 15:44	1
2,4-Dinitrotoluene	ND	*+	9.93	0.646	ug/L		10/16/25 10:31	10/22/25 15:44	1
2,6-Dinitrotoluene	ND		9.93	0.288	ug/L		10/16/25 10:31	10/22/25 15:44	1
2-Chloronaphthalene	ND		9.93	0.377	ug/L		10/16/25 10:31	10/22/25 15:44	1
2-Chlorophenol	ND		9.93	0.834	ug/L		10/16/25 10:31	10/22/25 15:44	1
2-Methylnaphthalene	ND		9.93	0.805	ug/L		10/16/25 10:31	10/22/25 15:44	1

Client Sample ID: MW-1
Lab Sample ID: 752-38050-1
Date Collected: 10/13/25 11:25
Matrix: Water
Date Received: 10/14/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		9.93	0.755	ug/L		10/16/25 10:31	10/22/25 15:44	1
2-Nitroaniline	ND		9.93	1.36	ug/L		10/16/25 10:31	10/22/25 15:44	1
2-Nitrophenol	ND	*+	9.93	1.16	ug/L		10/16/25 10:31	10/22/25 15:44	1
3 & 4 Methylphenol	ND		19.9	4.57	ug/L		10/16/25 10:31	10/22/25 15:44	1
3,3'-Dichlorobenzidine	ND		10.9	0.407	ug/L		10/16/25 10:31	10/22/25 15:44	1
3-Nitroaniline	ND		9.93	0.944	ug/L		10/16/25 10:31	10/22/25 15:44	1
4,6-Dinitro-2-methylphenol	ND	*+	9.93	1.96	ug/L		10/16/25 10:31	10/22/25 15:44	1
4-Bromophenyl phenyl ether	ND		9.93	0.129	ug/L		10/16/25 10:31	10/22/25 15:44	1
4-Chloro-3-methylphenol	ND		9.93	0.725	ug/L		10/16/25 10:31	10/22/25 15:44	1
4-Chloroaniline	ND		9.93	0.576	ug/L		10/16/25 10:31	10/22/25 15:44	1
4-Chlorophenyl phenyl ether	ND		9.93	0.238	ug/L		10/16/25 10:31	10/22/25 15:44	1
4-Nitroaniline	ND		9.93	3.48	ug/L		10/16/25 10:31	10/22/25 15:44	1
4-Nitrophenol	ND	*+	9.93	2.72	ug/L		10/16/25 10:31	10/22/25 15:44	1
Acenaphthene	ND		9.93	0.626	ug/L		10/16/25 10:31	10/22/25 15:44	1
Acenaphthylene	ND		9.93	0.755	ug/L		10/16/25 10:31	10/22/25 15:44	1
Acetophenone	ND		9.93	3.18	ug/L		10/16/25 10:31	10/22/25 15:44	1
Anthracene	ND		9.93	0.904	ug/L		10/16/25 10:31	10/22/25 15:44	1
Atrazine	ND		9.93	1.12	ug/L		10/16/25 10:31	10/22/25 15:44	1
Benzaldehyde	ND		9.93	0.666	ug/L		10/16/25 10:31	10/22/25 15:44	1
Benzo[a]anthracene	ND		9.93	0.993	ug/L		10/16/25 10:31	10/22/25 15:44	1
Benzo[a]pyrene	ND		9.93	1.09	ug/L		10/16/25 10:31	10/22/25 15:44	1
Benzo[b]fluoranthene	ND		9.93	1.19	ug/L		10/16/25 10:31	10/22/25 15:44	1
Benzo[g,h,i]perylene	ND		9.93	1.49	ug/L		10/16/25 10:31	10/22/25 15:44	1
Benzo[k]fluoranthene	ND		9.93	1.49	ug/L		10/16/25 10:31	10/22/25 15:44	1
bis (2-chloroisopropyl) ether	ND		9.93	0.924	ug/L		10/16/25 10:31	10/22/25 15:44	1
Bis(2-chloroethoxy)methane	ND		9.93	0.338	ug/L		10/16/25 10:31	10/22/25 15:44	1
Bis(2-chloroethyl)ether	ND		9.93	0.725	ug/L		10/16/25 10:31	10/22/25 15:44	1
Bis(2-ethylhexyl) phthalate	ND		9.93	3.97	ug/L		10/16/25 10:31	10/22/25 15:44	1
Butyl benzyl phthalate	ND		9.93	3.97	ug/L		10/16/25 10:31	10/22/25 15:44	1
Caprolactam	**4.94**	**J**	9.93	2.38	ug/L		10/16/25 10:31	10/22/25 15:44	1
Carbazole	ND		9.93	0.318	ug/L		10/16/25 10:31	10/22/25 15:44	1
Chrysene	ND		9.93	1.19	ug/L		10/16/25 10:31	10/22/25 15:44	1
Dibenz(a,h)anthracene	ND		9.93	1.29	ug/L		10/16/25 10:31	10/22/25 15:44	1
Dibenzofuran	ND		9.93	0.636	ug/L		10/16/25 10:31	10/22/25 15:44	1
Diethyl phthalate	ND		9.93	3.97	ug/L		10/16/25 10:31	10/22/25 15:44	1
Dimethyl phthalate	ND		9.93	3.97	ug/L		10/16/25 10:31	10/22/25 15:44	1
Di-n-butyl phthalate	ND		9.93	8.14	ug/L		10/16/25 10:31	10/22/25 15:44	1
Di-n-octyl phthalate	ND		9.93	3.97	ug/L		10/16/25 10:31	10/22/25 15:44	1
Fluoranthene	ND		9.93	0.626	ug/L		10/16/25 10:31	10/22/25 15:44	1
Fluorene	ND		9.93	0.666	ug/L		10/16/25 10:31	10/22/25 15:44	1
Hexachlorobenzene	ND		9.93	0.248	ug/L		10/16/25 10:31	10/22/25 15:44	1
Hexachlorobutadiene	ND		9.93	0.546	ug/L		10/16/25 10:31	10/22/25 15:44	1
Hexachlorocyclopentadiene	ND		19.9	0.318	ug/L		10/16/25 10:31	10/22/25 15:44	1
Hexachloroethane	ND		9.93	0.526	ug/L		10/16/25 10:31	10/22/25 15:44	1
Indeno[1,2,3-cd]pyrene	ND		9.93	1.09	ug/L		10/16/25 10:31	10/22/25 15:44	1
Isophorone	ND		9.93	0.795	ug/L		10/16/25 10:31	10/22/25 15:44	1
Naphthalene	ND		9.93	0.745	ug/L		10/16/25 10:31	10/22/25 15:44	1
Nitrobenzene	ND		9.93	0.596	ug/L		10/16/25 10:31	10/22/25 15:44	1
N-Nitrosodi-n-propylamine	ND		9.93	0.328	ug/L		10/16/25 10:31	10/22/25 15:44	1

Client Sample ID: MW-1

Date Collected: 10/13/25 11:25
Date Received: 10/14/25 08:00

Lab Sample ID: 752-38050-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		9.93	0.189	ug/L		10/16/25 10:31	10/22/25 15:44	1
Pentachlorophenol	ND		9.93	2.78	ug/L		10/16/25 10:31	10/22/25 15:44	1
Phenanthrene	ND		9.93	0.735	ug/L		10/16/25 10:31	10/22/25 15:44	1
Phenol	ND		9.93	0.675	ug/L		10/16/25 10:31	10/22/25 15:44	1
Pyrene	ND		9.93	0.626	ug/L		10/16/25 10:31	10/22/25 15:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*88*		*10 - 150*	*10/16/25 10:31*	*10/22/25 15:44*	*1*
2-Fluorobiphenyl (Surr)	*69*		*25 - 139*	*10/16/25 10:31*	*10/22/25 15:44*	*1*
2-Fluorophenol (Surr)	*51*		*10 - 150*	*10/16/25 10:31*	*10/22/25 15:44*	*1*
Nitrobenzene-d5 (Surr)	*90*		*22 - 150*	*10/16/25 10:31*	*10/22/25 15:44*	*1*
Phenol-d5 (Surr)	*40*		*10 - 150*	*10/16/25 10:31*	*10/22/25 15:44*	*1*
Terphenyl-d14 (Surr)	*69*		*28 - 150*	*10/16/25 10:31*	*10/22/25 15:44*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**2.23**		1.00	0.390	mg/L			10/24/25 05:39	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	2.45	ug/L		10/20/25 08:46	10/21/25 19:19	1
Arsenic	**2.02**	**J**	5.00	1.32	ug/L		10/20/25 08:46	10/21/25 19:19	1
Barium	**157**		10.0	0.410	ug/L		10/20/25 08:46	10/21/25 19:19	1
Beryllium	ND		1.00	0.147	ug/L		10/20/25 08:46	10/21/25 19:19	1
Cadmium	ND		0.700	0.237	ug/L		10/20/25 08:46	10/21/25 19:19	1
Chromium	ND		5.00	3.69	ug/L		10/20/25 08:46	10/21/25 19:19	1
Cobalt	ND		5.00	0.411	ug/L		10/20/25 08:46	10/21/25 19:19	1
Copper	**0.923**	**J B**	2.00	0.642	ug/L		10/20/25 08:46	10/21/25 19:19	1
Lead	**1.62**		1.00	0.864	ug/L		10/20/25 08:46	10/21/25 19:19	1
Manganese	**68.3**	**B**	5.00	1.29	ug/L		10/20/25 08:46	10/21/25 19:19	1
Nickel	**0.952**	**J**	5.00	0.422	ug/L		10/20/25 08:46	10/21/25 19:19	1
Selenium	ND		5.00	2.29	ug/L		10/20/25 08:46	10/21/25 19:19	1
Silver	ND		1.00	0.167	ug/L		10/20/25 08:46	10/21/25 19:19	1
Thallium	ND		1.00	0.190	ug/L		10/20/25 08:46	10/21/25 19:19	1
Vanadium	**3.05**	**J B**	5.00	1.22	ug/L		10/20/25 08:46	10/21/25 19:19	1
Zinc	ND		10.0	8.91	ug/L		10/20/25 08:46	10/21/25 19:19	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		10/16/25 09:01	10/16/25 16:11	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			10/21/25 11:12	1
Nitrite as N (EPA 353.2)	ND		0.100	0.0168	mg/L			10/14/25 16:31	1
Nitrate Nitrite as N (MCAWW 353.2-1993 R2.0)	**0.0130**	**J**	0.100	0.0100	mg/L			10/16/25 12:46	1
Nitrate as N (SM Nitrate by calc)	**0.0130**	**J**	0.100	0.0100	mg/L			10/22/25 07:35	1

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38050-1

Client Sample ID: MW-2

Date Collected: 10/13/25 12:45
Date Received: 10/14/25 08:00

Lab Sample ID: 752-38050-2

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			10/22/25 16:25	1
Benzene	ND		1.00	0.500	ug/L			10/22/25 16:25	1
Bromobenzene	ND		1.00	0.540	ug/L			10/22/25 16:25	1
Bromoform	ND		5.00	0.250	ug/L			10/22/25 16:25	1
Bromomethane	ND		1.00	0.980	ug/L			10/22/25 16:25	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			10/22/25 16:25	1
Carbon disulfide	ND		1.00	0.500	ug/L			10/22/25 16:25	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			10/22/25 16:25	1
Chlorobenzene	ND		1.00	0.420	ug/L			10/22/25 16:25	1
Chlorobromomethane	ND		1.00	0.520	ug/L			10/22/25 16:25	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			10/22/25 16:25	1
Chloroethane	ND		1.00	0.760	ug/L			10/22/25 16:25	1
Chloroform	ND		1.00	0.900	ug/L			10/22/25 16:25	1
Chloromethane	ND		1.00	0.400	ug/L			10/22/25 16:25	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			10/22/25 16:25	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			10/22/25 16:25	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			10/22/25 16:25	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			10/22/25 16:25	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			10/22/25 16:25	1
Dibromomethane	ND		5.00	0.220	ug/L			10/22/25 16:25	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			10/22/25 16:25	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			10/22/25 16:25	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			10/22/25 16:25	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			10/22/25 16:25	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			10/22/25 16:25	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			10/22/25 16:25	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			10/22/25 16:25	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			10/22/25 16:25	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			10/22/25 16:25	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			10/22/25 16:25	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			10/22/25 16:25	1
Ethyl acetate	ND		10.0	6.14	ug/L			10/22/25 16:25	1
Ethylbenzene	ND		1.00	0.500	ug/L			10/22/25 16:25	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			10/22/25 16:25	1
Hexachlorobutadiene	ND	*+	5.00	0.900	ug/L			10/22/25 16:25	1
Hexane	ND		1.00	0.960	ug/L			10/22/25 16:25	1
2-Hexanone	ND	*+	25.0	4.26	ug/L			10/22/25 16:25	1
Iodomethane	ND		1.00	0.900	ug/L			10/22/25 16:25	1
Isopropylbenzene	ND		1.00	0.530	ug/L			10/22/25 16:25	1
Isopropyl ether	ND		1.00	0.740	ug/L			10/22/25 16:25	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			10/22/25 16:25	1
Methylene Chloride	ND		5.00	3.00	ug/L			10/22/25 16:25	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			10/22/25 16:25	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			10/22/25 16:25	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			10/22/25 16:25	1
Naphthalene	ND		5.00	3.00	ug/L			10/22/25 16:25	1
n-Butylbenzene	ND		1.00	0.760	ug/L			10/22/25 16:25	1
n-Heptane	ND		1.00	0.210	ug/L			10/22/25 16:25	1
N-Propylbenzene	ND		1.00	0.690	ug/L			10/22/25 16:25	1

Client Sample ID: MW-2

Date Collected: 10/13/25 12:45
Date Received: 10/14/25 08:00

Lab Sample ID: 752-38050-2

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			10/22/25 16:25	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			10/22/25 16:25	1
Styrene	ND		1.00	1.00	ug/L			10/22/25 16:25	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			10/22/25 16:25	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			10/22/25 16:25	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			10/22/25 16:25	1
Tetrachloroethene	ND		1.00	0.330	ug/L			10/22/25 16:25	1
Toluene	ND		1.00	0.900	ug/L			10/22/25 16:25	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			10/22/25 16:25	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			10/22/25 16:25	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			10/22/25 16:25	1
1,2,3-Trichlorobenzene	ND	*+	1.00	0.900	ug/L			10/22/25 16:25	1
1,2,4-Trichlorobenzene	ND	*+	1.00	0.820	ug/L			10/22/25 16:25	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			10/22/25 16:25	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			10/22/25 16:25	1
Trichloroethene	ND		1.00	0.150	ug/L			10/22/25 16:25	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			10/22/25 16:25	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			10/22/25 16:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*+	1.00	0.500	ug/L			10/22/25 16:25	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			10/22/25 16:25	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			10/22/25 16:25	1
Vinyl acetate	ND		25.0	0.930	ug/L			10/22/25 16:25	1
Vinyl chloride	ND		1.00	0.500	ug/L			10/22/25 16:25	1
Xylenes, Total	ND		10.0	6.00	ug/L			10/22/25 16:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*56 - 136*		*10/22/25 16:25*	*1*
Dibromofluoromethane	*100*		*79 - 130*		*10/22/25 16:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*59 - 146*		*10/22/25 16:25*	*1*
Toluene-d8 (Surr)	*112*		*64 - 132*		*10/22/25 16:25*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.338	0.338	ug/L		10/17/25 16:48	10/20/25 15:17	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*28*		*10 - 140*	*10/17/25 16:48*	*10/20/25 15:17*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		10.1	0.423	ug/L		10/16/25 10:31	10/22/25 16:16	1
2,4,5-Trichlorophenol	ND		10.1	0.544	ug/L		10/16/25 10:31	10/22/25 16:16	1
2,4,6-Trichlorophenol	ND		10.1	1.10	ug/L		10/16/25 10:31	10/22/25 16:16	1
2,4-Dichlorophenol	ND		10.1	0.574	ug/L		10/16/25 10:31	10/22/25 16:16	1
2,4-Dimethylphenol	ND		10.1	0.242	ug/L		10/16/25 10:31	10/22/25 16:16	1
2,4-Dinitrophenol	ND	*+	30.2	4.71	ug/L		10/16/25 10:31	10/22/25 16:16	1
2,4-Dinitrotoluene	ND	*+	10.1	0.654	ug/L		10/16/25 10:31	10/22/25 16:16	1
2,6-Dinitrotoluene	ND		10.1	0.292	ug/L		10/16/25 10:31	10/22/25 16:16	1
2-Chloronaphthalene	ND		10.1	0.383	ug/L		10/16/25 10:31	10/22/25 16:16	1
2-Chlorophenol	ND		10.1	0.846	ug/L		10/16/25 10:31	10/22/25 16:16	1
2-Methylnaphthalene	ND		10.1	0.815	ug/L		10/16/25 10:31	10/22/25 16:16	1

Client Sample ID: MW-2
Lab Sample ID: 752-38050-2
Date Collected: 10/13/25 12:45
Matrix: Water
Date Received: 10/14/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		10.1	0.765	ug/L		10/16/25 10:31	10/22/25 16:16	1
2-Nitroaniline	ND		10.1	1.38	ug/L		10/16/25 10:31	10/22/25 16:16	1
2-Nitrophenol	ND	*+	10.1	1.18	ug/L		10/16/25 10:31	10/22/25 16:16	1
3 & 4 Methylphenol	ND		20.1	4.63	ug/L		10/16/25 10:31	10/22/25 16:16	1
3,3'-Dichlorobenzidine	ND		11.1	0.413	ug/L		10/16/25 10:31	10/22/25 16:16	1
3-Nitroaniline	ND		10.1	0.956	ug/L		10/16/25 10:31	10/22/25 16:16	1
4,6-Dinitro-2-methylphenol	ND	*+	10.1	1.98	ug/L		10/16/25 10:31	10/22/25 16:16	1
4-Bromophenyl phenyl ether	ND		10.1	0.131	ug/L		10/16/25 10:31	10/22/25 16:16	1
4-Chloro-3-methylphenol	ND		10.1	0.735	ug/L		10/16/25 10:31	10/22/25 16:16	1
4-Chloroaniline	ND		10.1	0.584	ug/L		10/16/25 10:31	10/22/25 16:16	1
4-Chlorophenyl phenyl ether	ND		10.1	0.242	ug/L		10/16/25 10:31	10/22/25 16:16	1
4-Nitroaniline	ND		10.1	3.52	ug/L		10/16/25 10:31	10/22/25 16:16	1
4-Nitrophenol	ND	*+	10.1	2.76	ug/L		10/16/25 10:31	10/22/25 16:16	1
Acenaphthene	ND		10.1	0.634	ug/L		10/16/25 10:31	10/22/25 16:16	1
Acenaphthylene	ND		10.1	0.765	ug/L		10/16/25 10:31	10/22/25 16:16	1
Acetophenone	ND		10.1	3.22	ug/L		10/16/25 10:31	10/22/25 16:16	1
Anthracene	ND		10.1	0.916	ug/L		10/16/25 10:31	10/22/25 16:16	1
Atrazine	ND		10.1	1.14	ug/L		10/16/25 10:31	10/22/25 16:16	1
Benzaldehyde	ND		10.1	0.674	ug/L		10/16/25 10:31	10/22/25 16:16	1
Benzo[a]anthracene	ND		10.1	1.01	ug/L		10/16/25 10:31	10/22/25 16:16	1
Benzo[a]pyrene	ND		10.1	1.11	ug/L		10/16/25 10:31	10/22/25 16:16	1
Benzo[b]fluoranthene	ND		10.1	1.21	ug/L		10/16/25 10:31	10/22/25 16:16	1
Benzo[g,h,i]perylene	ND		10.1	1.51	ug/L		10/16/25 10:31	10/22/25 16:16	1
Benzo[k]fluoranthene	ND		10.1	1.51	ug/L		10/16/25 10:31	10/22/25 16:16	1
bis (2-chloroisopropyl) ether	ND		10.1	0.936	ug/L		10/16/25 10:31	10/22/25 16:16	1
Bis(2-chloroethoxy)methane	ND		10.1	0.342	ug/L		10/16/25 10:31	10/22/25 16:16	1
Bis(2-chloroethyl)ether	ND		10.1	0.735	ug/L		10/16/25 10:31	10/22/25 16:16	1
Bis(2-ethylhexyl) phthalate	ND		10.1	4.03	ug/L		10/16/25 10:31	10/22/25 16:16	1
Butyl benzyl phthalate	ND		10.1	4.03	ug/L		10/16/25 10:31	10/22/25 16:16	1
Caprolactam	ND		10.1	2.42	ug/L		10/16/25 10:31	10/22/25 16:16	1
Carbazole	ND		10.1	0.322	ug/L		10/16/25 10:31	10/22/25 16:16	1
Chrysene	ND		10.1	1.21	ug/L		10/16/25 10:31	10/22/25 16:16	1
Dibenz(a,h)anthracene	ND		10.1	1.31	ug/L		10/16/25 10:31	10/22/25 16:16	1
Dibenzofuran	ND		10.1	0.644	ug/L		10/16/25 10:31	10/22/25 16:16	1
Diethyl phthalate	ND		10.1	4.03	ug/L		10/16/25 10:31	10/22/25 16:16	1
Dimethyl phthalate	ND		10.1	4.03	ug/L		10/16/25 10:31	10/22/25 16:16	1
Di-n-butyl phthalate	ND		10.1	8.24	ug/L		10/16/25 10:31	10/22/25 16:16	1
Di-n-octyl phthalate	ND		10.1	4.03	ug/L		10/16/25 10:31	10/22/25 16:16	1
Fluoranthene	ND		10.1	0.634	ug/L		10/16/25 10:31	10/22/25 16:16	1
Fluorene	ND		10.1	0.674	ug/L		10/16/25 10:31	10/22/25 16:16	1
Hexachlorobenzene	ND		10.1	0.252	ug/L		10/16/25 10:31	10/22/25 16:16	1
Hexachlorobutadiene	ND		10.1	0.554	ug/L		10/16/25 10:31	10/22/25 16:16	1
Hexachlorocyclopentadiene	ND		20.1	0.322	ug/L		10/16/25 10:31	10/22/25 16:16	1
Hexachloroethane	ND		10.1	0.534	ug/L		10/16/25 10:31	10/22/25 16:16	1
Indeno[1,2,3-cd]pyrene	ND		10.1	1.11	ug/L		10/16/25 10:31	10/22/25 16:16	1
Isophorone	ND		10.1	0.805	ug/L		10/16/25 10:31	10/22/25 16:16	1
Naphthalene	ND		10.1	0.755	ug/L		10/16/25 10:31	10/22/25 16:16	1
Nitrobenzene	ND		10.1	0.604	ug/L		10/16/25 10:31	10/22/25 16:16	1
N-Nitrosodi-n-propylamine	ND		10.1	0.332	ug/L		10/16/25 10:31	10/22/25 16:16	1

Client Sample ID: MW-2

Date Collected: 10/13/25 12:45
Date Received: 10/14/25 08:00

Lab Sample ID: 752-38050-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		10.1	0.191	ug/L		10/16/25 10:31	10/22/25 16:16	1
Pentachlorophenol	ND		10.1	2.82	ug/L		10/16/25 10:31	10/22/25 16:16	1
Phenanthrene	ND		10.1	0.745	ug/L		10/16/25 10:31	10/22/25 16:16	1
Phenol	ND		10.1	0.685	ug/L		10/16/25 10:31	10/22/25 16:16	1
Pyrene	ND		10.1	0.634	ug/L		10/16/25 10:31	10/22/25 16:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*85*		*10 - 150*	*10/16/25 10:31*	*10/22/25 16:16*	*1*
2-Fluorobiphenyl (Surr)	*67*		*25 - 139*	*10/16/25 10:31*	*10/22/25 16:16*	*1*
2-Fluorophenol (Surr)	*53*		*10 - 150*	*10/16/25 10:31*	*10/22/25 16:16*	*1*
Nitrobenzene-d5 (Surr)	*86*		*22 - 150*	*10/16/25 10:31*	*10/22/25 16:16*	*1*
Phenol-d5 (Surr)	*46*		*10 - 150*	*10/16/25 10:31*	*10/22/25 16:16*	*1*
Terphenyl-d14 (Surr)	*51*		*28 - 150*	*10/16/25 10:31*	*10/22/25 16:16*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**10.2**		1.00	0.390	mg/L			10/23/25 22:16	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		10/20/25 08:46	10/21/25 19:22	1
Arsenic	ND		5.00	1.32	ug/L		10/20/25 08:46	10/21/25 19:22	1
Barium	**590**		10.0	0.410	ug/L		10/20/25 08:46	10/21/25 19:22	1
Beryllium	ND		1.00	0.147	ug/L		10/20/25 08:46	10/21/25 19:22	1
Cadmium	ND		0.700	0.237	ug/L		10/20/25 08:46	10/21/25 19:22	1
Chromium	ND		5.00	3.69	ug/L		10/20/25 08:46	10/21/25 19:22	1
Cobalt	ND		5.00	0.411	ug/L		10/20/25 08:46	10/21/25 19:22	1
Copper	**1.29**	**J B**	2.00	0.642	ug/L		10/20/25 08:46	10/21/25 19:22	1
Lead	**0.938**	**J**	1.00	0.864	ug/L		10/20/25 08:46	10/21/25 19:22	1
Manganese	**202**	**B**	5.00	1.29	ug/L		10/20/25 08:46	10/21/25 19:22	1
Nickel	**1.35**	**J**	5.00	0.422	ug/L		10/20/25 08:46	10/21/25 19:22	1
Selenium	ND		5.00	2.29	ug/L		10/20/25 08:46	10/21/25 19:22	1
Silver	ND		1.00	0.167	ug/L		10/20/25 08:46	10/21/25 19:22	1
Thallium	ND		1.00	0.190	ug/L		10/20/25 08:46	10/21/25 19:22	1
Vanadium	**4.73**	**J B**	5.00	1.22	ug/L		10/20/25 08:46	10/21/25 19:22	1
Zinc	**12.4**		10.0	8.91	ug/L		10/20/25 08:46	10/21/25 19:22	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		10/16/25 09:01	10/16/25 16:15	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			10/21/25 11:26	1
Nitrite as N (EPA 353.2)	ND		0.100	0.0168	mg/L			10/14/25 16:32	1
Nitrate Nitrite as N (MCAWW 353.2-1993 R2.0)	ND		0.100	0.0100	mg/L			10/16/25 12:47	1
Nitrate as N (SM Nitrate by calc)	ND		0.100	0.0100	mg/L			10/22/25 07:35	1

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38050-1

Client Sample ID: MW-3

Date Collected: 10/13/25 13:30
Date Received: 10/14/25 08:00

Lab Sample ID: 752-38050-3

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			10/22/25 16:49	1
Benzene	ND		1.00	0.500	ug/L			10/22/25 16:49	1
Bromobenzene	ND		1.00	0.540	ug/L			10/22/25 16:49	1
Bromoform	ND		5.00	0.250	ug/L			10/22/25 16:49	1
Bromomethane	ND		1.00	0.980	ug/L			10/22/25 16:49	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			10/22/25 16:49	1
Carbon disulfide	ND		1.00	0.500	ug/L			10/22/25 16:49	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			10/22/25 16:49	1
Chlorobenzene	ND		1.00	0.420	ug/L			10/22/25 16:49	1
Chlorobromomethane	ND		1.00	0.520	ug/L			10/22/25 16:49	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			10/22/25 16:49	1
Chloroethane	ND		1.00	0.760	ug/L			10/22/25 16:49	1
Chloroform	ND		1.00	0.900	ug/L			10/22/25 16:49	1
Chloromethane	ND		1.00	0.400	ug/L			10/22/25 16:49	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			10/22/25 16:49	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			10/22/25 16:49	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			10/22/25 16:49	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			10/22/25 16:49	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			10/22/25 16:49	1
Dibromomethane	ND		5.00	0.220	ug/L			10/22/25 16:49	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			10/22/25 16:49	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			10/22/25 16:49	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			10/22/25 16:49	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			10/22/25 16:49	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			10/22/25 16:49	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			10/22/25 16:49	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			10/22/25 16:49	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			10/22/25 16:49	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			10/22/25 16:49	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			10/22/25 16:49	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			10/22/25 16:49	1
Ethyl acetate	ND		10.0	6.14	ug/L			10/22/25 16:49	1
Ethylbenzene	ND		1.00	0.500	ug/L			10/22/25 16:49	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			10/22/25 16:49	1
Hexachlorobutadiene	ND	*+	5.00	0.900	ug/L			10/22/25 16:49	1
Hexane	ND		1.00	0.960	ug/L			10/22/25 16:49	1
2-Hexanone	ND	*+	25.0	4.26	ug/L			10/22/25 16:49	1
Iodomethane	ND		1.00	0.900	ug/L			10/22/25 16:49	1
Isopropylbenzene	ND		1.00	0.530	ug/L			10/22/25 16:49	1
Isopropyl ether	ND		1.00	0.740	ug/L			10/22/25 16:49	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			10/22/25 16:49	1
Methylene Chloride	ND		5.00	3.00	ug/L			10/22/25 16:49	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			10/22/25 16:49	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			10/22/25 16:49	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			10/22/25 16:49	1
Naphthalene	ND		5.00	3.00	ug/L			10/22/25 16:49	1
n-Butylbenzene	ND		1.00	0.760	ug/L			10/22/25 16:49	1
n-Heptane	ND		1.00	0.210	ug/L			10/22/25 16:49	1
N-Propylbenzene	ND		1.00	0.690	ug/L			10/22/25 16:49	1

Client Sample ID: MW-3
Date Collected: 10/13/25 13:30
Date Received: 10/14/25 08:00

Lab Sample ID: 752-38050-3
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			10/22/25 16:49	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			10/22/25 16:49	1
Styrene	ND		1.00	1.00	ug/L			10/22/25 16:49	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			10/22/25 16:49	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			10/22/25 16:49	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			10/22/25 16:49	1
Tetrachloroethene	ND		1.00	0.330	ug/L			10/22/25 16:49	1
Toluene	ND		1.00	0.900	ug/L			10/22/25 16:49	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			10/22/25 16:49	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			10/22/25 16:49	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			10/22/25 16:49	1
1,2,3-Trichlorobenzene	ND	*+	1.00	0.900	ug/L			10/22/25 16:49	1
1,2,4-Trichlorobenzene	ND	*+	1.00	0.820	ug/L			10/22/25 16:49	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			10/22/25 16:49	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			10/22/25 16:49	1
Trichloroethene	ND		1.00	0.150	ug/L			10/22/25 16:49	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			10/22/25 16:49	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			10/22/25 16:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*+	1.00	0.500	ug/L			10/22/25 16:49	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			10/22/25 16:49	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			10/22/25 16:49	1
Vinyl acetate	ND		25.0	0.930	ug/L			10/22/25 16:49	1
Vinyl chloride	ND		1.00	0.500	ug/L			10/22/25 16:49	1
Xylenes, Total	ND		10.0	6.00	ug/L			10/22/25 16:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*56 - 136*		*10/22/25 16:49*	*1*
Dibromofluoromethane	*103*		*79 - 130*		*10/22/25 16:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*59 - 146*		*10/22/25 16:49*	*1*
Toluene-d8 (Surr)	*114*		*64 - 132*		*10/22/25 16:49*	*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		0.284	0.284	ug/L		10/17/25 16:48	10/20/25 15:38	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*24*		*10 - 140*	*10/17/25 16:48*	*10/20/25 15:38*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		10.0	0.421	ug/L		10/16/25 10:31	10/22/25 16:49	1
2,4,5-Trichlorophenol	ND		10.0	0.542	ug/L		10/16/25 10:31	10/22/25 16:49	1
2,4,6-Trichlorophenol	ND		10.0	1.09	ug/L		10/16/25 10:31	10/22/25 16:49	1
2,4-Dichlorophenol	ND		10.0	0.572	ug/L		10/16/25 10:31	10/22/25 16:49	1
2,4-Dimethylphenol	ND		10.0	0.241	ug/L		10/16/25 10:31	10/22/25 16:49	1
2,4-Dinitrophenol	ND	*+	30.1	4.70	ug/L		10/16/25 10:31	10/22/25 16:49	1
2,4-Dinitrotoluene	ND	*+	10.0	0.652	ug/L		10/16/25 10:31	10/22/25 16:49	1
2,6-Dinitrotoluene	ND		10.0	0.291	ug/L		10/16/25 10:31	10/22/25 16:49	1
2-Chloronaphthalene	ND		10.0	0.381	ug/L		10/16/25 10:31	10/22/25 16:49	1
2-Chlorophenol	ND		10.0	0.843	ug/L		10/16/25 10:31	10/22/25 16:49	1
2-Methylnaphthalene	ND		10.0	0.813	ug/L		10/16/25 10:31	10/22/25 16:49	1

Client Sample ID: MW-3
Lab Sample ID: 752-38050-3
Date Collected: 10/13/25 13:30
Matrix: Water
Date Received: 10/14/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		10.0	0.763	ug/L		10/16/25 10:31	10/22/25 16:49	1
2-Nitroaniline	ND		10.0	1.37	ug/L		10/16/25 10:31	10/22/25 16:49	1
2-Nitrophenol	ND	*+	10.0	1.17	ug/L		10/16/25 10:31	10/22/25 16:49	1
3 & 4 Methylphenol	ND		20.1	4.62	ug/L		10/16/25 10:31	10/22/25 16:49	1
3,3'-Dichlorobenzidine	ND		11.0	0.411	ug/L		10/16/25 10:31	10/22/25 16:49	1
3-Nitroaniline	ND		10.0	0.953	ug/L		10/16/25 10:31	10/22/25 16:49	1
4,6-Dinitro-2-methylphenol	ND	*+	10.0	1.98	ug/L		10/16/25 10:31	10/22/25 16:49	1
4-Bromophenyl phenyl ether	ND		10.0	0.130	ug/L		10/16/25 10:31	10/22/25 16:49	1
4-Chloro-3-methylphenol	ND		10.0	0.732	ug/L		10/16/25 10:31	10/22/25 16:49	1
4-Chloroaniline	ND		10.0	0.582	ug/L		10/16/25 10:31	10/22/25 16:49	1
4-Chlorophenyl phenyl ether	ND		10.0	0.241	ug/L		10/16/25 10:31	10/22/25 16:49	1
4-Nitroaniline	ND		10.0	3.51	ug/L		10/16/25 10:31	10/22/25 16:49	1
4-Nitrophenol	ND	*+	10.0	2.75	ug/L		10/16/25 10:31	10/22/25 16:49	1
Acenaphthene	ND		10.0	0.632	ug/L		10/16/25 10:31	10/22/25 16:49	1
Acenaphthylene	ND		10.0	0.763	ug/L		10/16/25 10:31	10/22/25 16:49	1
Acetophenone	ND		10.0	3.21	ug/L		10/16/25 10:31	10/22/25 16:49	1
Anthracene	ND		10.0	0.913	ug/L		10/16/25 10:31	10/22/25 16:49	1
Atrazine	ND		10.0	1.13	ug/L		10/16/25 10:31	10/22/25 16:49	1
Benzaldehyde	ND		10.0	0.672	ug/L		10/16/25 10:31	10/22/25 16:49	1
Benzo[a]anthracene	ND		10.0	1.00	ug/L		10/16/25 10:31	10/22/25 16:49	1
Benzo[a]pyrene	ND		10.0	1.10	ug/L		10/16/25 10:31	10/22/25 16:49	1
Benzo[b]fluoranthene	ND		10.0	1.20	ug/L		10/16/25 10:31	10/22/25 16:49	1
Benzo[g,h,i]perylene	ND		10.0	1.51	ug/L		10/16/25 10:31	10/22/25 16:49	1
Benzo[k]fluoranthene	ND		10.0	1.51	ug/L		10/16/25 10:31	10/22/25 16:49	1
bis (2-chloroisopropyl) ether	ND		10.0	0.933	ug/L		10/16/25 10:31	10/22/25 16:49	1
Bis(2-chloroethoxy)methane	ND		10.0	0.341	ug/L		10/16/25 10:31	10/22/25 16:49	1
Bis(2-chloroethyl)ether	ND		10.0	0.732	ug/L		10/16/25 10:31	10/22/25 16:49	1
Bis(2-ethylhexyl) phthalate	ND		10.0	4.01	ug/L		10/16/25 10:31	10/22/25 16:49	1
Butyl benzyl phthalate	ND		10.0	4.01	ug/L		10/16/25 10:31	10/22/25 16:49	1
Caprolactam	ND		10.0	2.41	ug/L		10/16/25 10:31	10/22/25 16:49	1
Carbazole	ND		10.0	0.321	ug/L		10/16/25 10:31	10/22/25 16:49	1
Chrysene	ND		10.0	1.20	ug/L		10/16/25 10:31	10/22/25 16:49	1
Dibenz(a,h)anthracene	ND		10.0	1.30	ug/L		10/16/25 10:31	10/22/25 16:49	1
Dibenzofuran	ND		10.0	0.642	ug/L		10/16/25 10:31	10/22/25 16:49	1
Diethyl phthalate	ND		10.0	4.01	ug/L		10/16/25 10:31	10/22/25 16:49	1
Dimethyl phthalate	ND		10.0	4.01	ug/L		10/16/25 10:31	10/22/25 16:49	1
Di-n-butyl phthalate	ND		10.0	8.22	ug/L		10/16/25 10:31	10/22/25 16:49	1
Di-n-octyl phthalate	ND		10.0	4.01	ug/L		10/16/25 10:31	10/22/25 16:49	1
Fluoranthene	ND		10.0	0.632	ug/L		10/16/25 10:31	10/22/25 16:49	1
Fluorene	ND		10.0	0.672	ug/L		10/16/25 10:31	10/22/25 16:49	1
Hexachlorobenzene	ND		10.0	0.251	ug/L		10/16/25 10:31	10/22/25 16:49	1
Hexachlorobutadiene	ND		10.0	0.552	ug/L		10/16/25 10:31	10/22/25 16:49	1
Hexachlorocyclopentadiene	ND		20.1	0.321	ug/L		10/16/25 10:31	10/22/25 16:49	1
Hexachloroethane	ND		10.0	0.532	ug/L		10/16/25 10:31	10/22/25 16:49	1
Indeno[1,2,3-cd]pyrene	ND		10.0	1.10	ug/L		10/16/25 10:31	10/22/25 16:49	1
Isophorone	ND		10.0	0.803	ug/L		10/16/25 10:31	10/22/25 16:49	1
Naphthalene	ND		10.0	0.753	ug/L		10/16/25 10:31	10/22/25 16:49	1
Nitrobenzene	ND		10.0	0.602	ug/L		10/16/25 10:31	10/22/25 16:49	1
N-Nitrosodi-n-propylamine	ND		10.0	0.331	ug/L		10/16/25 10:31	10/22/25 16:49	1

Client Sample ID: MW-3
Date Collected: 10/13/25 13:30
Date Received: 10/14/25 08:00

Lab Sample ID: 752-38050-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		10.0	0.191	ug/L		10/16/25 10:31	10/22/25 16:49	1
Pentachlorophenol	ND		10.0	2.81	ug/L		10/16/25 10:31	10/22/25 16:49	1
Phenanthrene	ND		10.0	0.742	ug/L		10/16/25 10:31	10/22/25 16:49	1
Pyrene	ND		10.0	0.632	ug/L		10/16/25 10:31	10/22/25 16:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*88*		*10 - 150*	*10/16/25 10:31*	*10/22/25 16:49*	*1*
2-Fluorobiphenyl (Surr)	*68*		*25 - 139*	*10/16/25 10:31*	*10/22/25 16:49*	*1*
2-Fluorophenol (Surr)	*57*		*10 - 150*	*10/16/25 10:31*	*10/22/25 16:49*	*1*
Nitrobenzene-d5 (Surr)	*89*		*22 - 150*	*10/16/25 10:31*	*10/22/25 16:49*	*1*
Phenol-d5 (Surr)	*49*		*10 - 150*	*10/16/25 10:31*	*10/22/25 16:49*	*1*
Terphenyl-d14 (Surr)	*45*		*28 - 150*	*10/16/25 10:31*	*10/22/25 16:49*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**1.59**	**J**	10.0	0.682	ug/L		10/16/25 10:31	10/23/25 13:24	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**13.1**		1.00	0.390	mg/L			10/23/25 22:24	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		10/20/25 08:46	10/21/25 19:24	1
Arsenic	ND		5.00	1.32	ug/L		10/20/25 08:46	10/21/25 19:24	1
Barium	**205**		10.0	0.410	ug/L		10/20/25 08:46	10/21/25 19:24	1
Beryllium	ND		1.00	0.147	ug/L		10/20/25 08:46	10/21/25 19:24	1
Cadmium	ND		0.700	0.237	ug/L		10/20/25 08:46	10/21/25 19:24	1
Chromium	**7.61**		5.00	3.69	ug/L		10/20/25 08:46	10/21/25 19:24	1
Cobalt	**0.601**	**J**	5.00	0.411	ug/L		10/20/25 08:46	10/21/25 19:24	1
Copper	**3.62**	**B**	2.00	0.642	ug/L		10/20/25 08:46	10/21/25 19:24	1
Lead	**1.08**		1.00	0.864	ug/L		10/20/25 08:46	10/21/25 19:24	1
Manganese	**45.4**	**B**	5.00	1.29	ug/L		10/20/25 08:46	10/21/25 19:24	1
Nickel	**2.15**	**J**	5.00	0.422	ug/L		10/20/25 08:46	10/21/25 19:24	1
Selenium	ND		5.00	2.29	ug/L		10/20/25 08:46	10/21/25 19:24	1
Silver	ND		1.00	0.167	ug/L		10/20/25 08:46	10/21/25 19:24	1
Thallium	ND		1.00	0.190	ug/L		10/20/25 08:46	10/21/25 19:24	1
Vanadium	**4.25**	**J B**	5.00	1.22	ug/L		10/20/25 08:46	10/21/25 19:24	1
Zinc	**34.7**		10.0	8.91	ug/L		10/20/25 08:46	10/21/25 19:24	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		10/16/25 09:01	10/16/25 16:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	**0.306**		0.0500	0.0460	mg/L			10/21/25 11:28	1
Nitrite as N (EPA 353.2)	ND		0.100	0.0168	mg/L			10/14/25 16:33	1
Nitrate Nitrite as N (MCAWW 353.2-1993 R2.0)	**0.0340**	**J**	0.100	0.0100	mg/L			10/16/25 12:57	1
Nitrate as N (SM Nitrate by calc)	**0.0340**	**J**	0.100	0.0100	mg/L			10/22/25 07:35	1

Client: S&ME Inc
Job ID: 752-38050-1
Project/Site: East End Park, Durham, NC

Client Sample ID: MW-4
Lab Sample ID: 752-38050-4
Date Collected: 10/13/25 15:55
Matrix: Water
Date Received: 10/14/25 08:00

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			10/22/25 17:12	1
Benzene	ND		1.00	0.500	ug/L			10/22/25 17:12	1
Bromobenzene	ND		1.00	0.540	ug/L			10/22/25 17:12	1
Bromoform	ND		5.00	0.250	ug/L			10/22/25 17:12	1
Bromomethane	ND		1.00	0.980	ug/L			10/22/25 17:12	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			10/22/25 17:12	1
Carbon disulfide	ND		1.00	0.500	ug/L			10/22/25 17:12	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			10/22/25 17:12	1
Chlorobenzene	ND		1.00	0.420	ug/L			10/22/25 17:12	1
Chlorobromomethane	ND		1.00	0.520	ug/L			10/22/25 17:12	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			10/22/25 17:12	1
Chloroethane	ND		1.00	0.760	ug/L			10/22/25 17:12	1
Chloroform	ND		1.00	0.900	ug/L			10/22/25 17:12	1
Chloromethane	ND		1.00	0.400	ug/L			10/22/25 17:12	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			10/22/25 17:12	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			10/22/25 17:12	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			10/22/25 17:12	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			10/22/25 17:12	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			10/22/25 17:12	1
Dibromomethane	ND		5.00	0.220	ug/L			10/22/25 17:12	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			10/22/25 17:12	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			10/22/25 17:12	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			10/22/25 17:12	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			10/22/25 17:12	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			10/22/25 17:12	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			10/22/25 17:12	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			10/22/25 17:12	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			10/22/25 17:12	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			10/22/25 17:12	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			10/22/25 17:12	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			10/22/25 17:12	1
Ethyl acetate	ND		10.0	6.14	ug/L			10/22/25 17:12	1
Ethylbenzene	ND		1.00	0.500	ug/L			10/22/25 17:12	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			10/22/25 17:12	1
Hexachlorobutadiene	ND	*+	5.00	0.900	ug/L			10/22/25 17:12	1
Hexane	ND		1.00	0.960	ug/L			10/22/25 17:12	1
2-Hexanone	ND	*+	25.0	4.26	ug/L			10/22/25 17:12	1
Iodomethane	ND		1.00	0.900	ug/L			10/22/25 17:12	1
Isopropylbenzene	ND		1.00	0.530	ug/L			10/22/25 17:12	1
Isopropyl ether	ND		1.00	0.740	ug/L			10/22/25 17:12	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			10/22/25 17:12	1
Methylene Chloride	ND		5.00	3.00	ug/L			10/22/25 17:12	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			10/22/25 17:12	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			10/22/25 17:12	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			10/22/25 17:12	1
Naphthalene	ND		5.00	3.00	ug/L			10/22/25 17:12	1
n-Butylbenzene	ND		1.00	0.760	ug/L			10/22/25 17:12	1
n-Heptane	ND		1.00	0.210	ug/L			10/22/25 17:12	1
N-Propylbenzene	ND		1.00	0.690	ug/L			10/22/25 17:12	1

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38050-1

Client Sample ID: MW-4

Date Collected: 10/13/25 15:55
Date Received: 10/14/25 08:00

Lab Sample ID: 752-38050-4

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			10/22/25 17:12	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			10/22/25 17:12	1
Styrene	ND		1.00	1.00	ug/L			10/22/25 17:12	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			10/22/25 17:12	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			10/22/25 17:12	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			10/22/25 17:12	1
Tetrachloroethene	ND		1.00	0.330	ug/L			10/22/25 17:12	1
Toluene	ND		1.00	0.900	ug/L			10/22/25 17:12	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			10/22/25 17:12	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			10/22/25 17:12	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			10/22/25 17:12	1
1,2,3-Trichlorobenzene	ND	*+	1.00	0.900	ug/L			10/22/25 17:12	1
1,2,4-Trichlorobenzene	ND	*+	1.00	0.820	ug/L			10/22/25 17:12	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			10/22/25 17:12	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			10/22/25 17:12	1
Trichloroethene	ND		1.00	0.150	ug/L			10/22/25 17:12	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			10/22/25 17:12	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			10/22/25 17:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*+	1.00	0.500	ug/L			10/22/25 17:12	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			10/22/25 17:12	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			10/22/25 17:12	1
Vinyl acetate	ND		25.0	0.930	ug/L			10/22/25 17:12	1
Vinyl chloride	ND		1.00	0.500	ug/L			10/22/25 17:12	1
Xylenes, Total	ND		10.0	6.00	ug/L			10/22/25 17:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*56 - 136*		*10/22/25 17:12*	*1*
Dibromofluoromethane	*103*		*79 - 130*		*10/22/25 17:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*59 - 146*		*10/22/25 17:12*	*1*
Toluene-d8 (Surr)	*112*		*64 - 132*		*10/22/25 17:12*	*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		0.312	0.312	ug/L		10/17/25 16:48	10/20/25 16:00	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*23*		*10 - 140*	*10/17/25 16:48*	*10/20/25 16:00*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		10.2	0.429	ug/L		10/16/25 10:31	10/22/25 17:21	1
2,4,5-Trichlorophenol	ND		10.2	0.551	ug/L		10/16/25 10:31	10/22/25 17:21	1
2,4,6-Trichlorophenol	ND		10.2	1.11	ug/L		10/16/25 10:31	10/22/25 17:21	1
2,4-Dichlorophenol	ND		10.2	0.582	ug/L		10/16/25 10:31	10/22/25 17:21	1
2,4-Dimethylphenol	ND		10.2	0.245	ug/L		10/16/25 10:31	10/22/25 17:21	1
2,4-Dinitrophenol	ND	*+	30.6	4.78	ug/L		10/16/25 10:31	10/22/25 17:21	1
2,4-Dinitrotoluene	ND	*+	10.2	0.663	ug/L		10/16/25 10:31	10/22/25 17:21	1
2,6-Dinitrotoluene	ND		10.2	0.296	ug/L		10/16/25 10:31	10/22/25 17:21	1
2-Chloronaphthalene	ND		10.2	0.388	ug/L		10/16/25 10:31	10/22/25 17:21	1
2-Chlorophenol	ND		10.2	0.857	ug/L		10/16/25 10:31	10/22/25 17:21	1
2-Methylnaphthalene	ND		10.2	0.827	ug/L		10/16/25 10:31	10/22/25 17:21	1

Client: S&ME Inc
Job ID: 752-38050-1
Project/Site: East End Park, Durham, NC

Client Sample ID: MW-4
Lab Sample ID: 752-38050-4
Date Collected: 10/13/25 15:55
Matrix: Water
Date Received: 10/14/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		10.2	0.776	ug/L		10/16/25 10:31	10/22/25 17:21	1
2-Nitroaniline	ND		10.2	1.40	ug/L		10/16/25 10:31	10/22/25 17:21	1
2-Nitrophenol	ND	*+	10.2	1.19	ug/L		10/16/25 10:31	10/22/25 17:21	1
3 & 4 Methylphenol	ND		20.4	4.69	ug/L		10/16/25 10:31	10/22/25 17:21	1
3,3'-Dichlorobenzidine	ND		11.2	0.418	ug/L		10/16/25 10:31	10/22/25 17:21	1
3-Nitroaniline	ND		10.2	0.969	ug/L		10/16/25 10:31	10/22/25 17:21	1
4,6-Dinitro-2-methylphenol	ND	*+	10.2	2.01	ug/L		10/16/25 10:31	10/22/25 17:21	1
4-Bromophenyl phenyl ether	ND		10.2	0.133	ug/L		10/16/25 10:31	10/22/25 17:21	1
4-Chloro-3-methylphenol	ND		10.2	0.745	ug/L		10/16/25 10:31	10/22/25 17:21	1
4-Chloroaniline	ND		10.2	0.592	ug/L		10/16/25 10:31	10/22/25 17:21	1
4-Chlorophenyl phenyl ether	ND		10.2	0.245	ug/L		10/16/25 10:31	10/22/25 17:21	1
4-Nitroaniline	ND		10.2	3.57	ug/L		10/16/25 10:31	10/22/25 17:21	1
4-Nitrophenol	ND	*+	10.2	2.80	ug/L		10/16/25 10:31	10/22/25 17:21	1
Acenaphthene	ND		10.2	0.643	ug/L		10/16/25 10:31	10/22/25 17:21	1
Acenaphthylene	ND		10.2	0.776	ug/L		10/16/25 10:31	10/22/25 17:21	1
Acetophenone	ND		10.2	3.27	ug/L		10/16/25 10:31	10/22/25 17:21	1
Anthracene	ND		10.2	0.929	ug/L		10/16/25 10:31	10/22/25 17:21	1
Atrazine	ND		10.2	1.15	ug/L		10/16/25 10:31	10/22/25 17:21	1
Benzaldehyde	ND		10.2	0.684	ug/L		10/16/25 10:31	10/22/25 17:21	1
Benzo[a]anthracene	ND		10.2	1.02	ug/L		10/16/25 10:31	10/22/25 17:21	1
Benzo[a]pyrene	ND		10.2	1.12	ug/L		10/16/25 10:31	10/22/25 17:21	1
Benzo[b]fluoranthene	ND		10.2	1.22	ug/L		10/16/25 10:31	10/22/25 17:21	1
Benzo[g,h,i]perylene	ND		10.2	1.53	ug/L		10/16/25 10:31	10/22/25 17:21	1
Benzo[k]fluoranthene	ND		10.2	1.53	ug/L		10/16/25 10:31	10/22/25 17:21	1
bis (2-chloroisopropyl) ether	ND		10.2	0.949	ug/L		10/16/25 10:31	10/22/25 17:21	1
Bis(2-chloroethoxy)methane	ND		10.2	0.347	ug/L		10/16/25 10:31	10/22/25 17:21	1
Bis(2-chloroethyl)ether	ND		10.2	0.745	ug/L		10/16/25 10:31	10/22/25 17:21	1
Bis(2-ethylhexyl) phthalate	ND		10.2	4.08	ug/L		10/16/25 10:31	10/22/25 17:21	1
Butyl benzyl phthalate	ND		10.2	4.08	ug/L		10/16/25 10:31	10/22/25 17:21	1
Caprolactam	ND		10.2	2.45	ug/L		10/16/25 10:31	10/22/25 17:21	1
Carbazole	ND		10.2	0.327	ug/L		10/16/25 10:31	10/22/25 17:21	1
Chrysene	ND		10.2	1.22	ug/L		10/16/25 10:31	10/22/25 17:21	1
Dibenz(a,h)anthracene	ND		10.2	1.33	ug/L		10/16/25 10:31	10/22/25 17:21	1
Dibenzofuran	ND		10.2	0.653	ug/L		10/16/25 10:31	10/22/25 17:21	1
Diethyl phthalate	ND		10.2	4.08	ug/L		10/16/25 10:31	10/22/25 17:21	1
Dimethyl phthalate	ND		10.2	4.08	ug/L		10/16/25 10:31	10/22/25 17:21	1
Di-n-butyl phthalate	ND		10.2	8.36	ug/L		10/16/25 10:31	10/22/25 17:21	1
Di-n-octyl phthalate	ND		10.2	4.08	ug/L		10/16/25 10:31	10/22/25 17:21	1
Fluoranthene	ND		10.2	0.643	ug/L		10/16/25 10:31	10/22/25 17:21	1
Fluorene	ND		10.2	0.684	ug/L		10/16/25 10:31	10/22/25 17:21	1
Hexachlorobenzene	ND		10.2	0.255	ug/L		10/16/25 10:31	10/22/25 17:21	1
Hexachlorobutadiene	ND		10.2	0.561	ug/L		10/16/25 10:31	10/22/25 17:21	1
Hexachlorocyclopentadiene	ND		20.4	0.327	ug/L		10/16/25 10:31	10/22/25 17:21	1
Hexachloroethane	ND		10.2	0.541	ug/L		10/16/25 10:31	10/22/25 17:21	1
Indeno[1,2,3-cd]pyrene	ND		10.2	1.12	ug/L		10/16/25 10:31	10/22/25 17:21	1
Isophorone	ND		10.2	0.816	ug/L		10/16/25 10:31	10/22/25 17:21	1
Naphthalene	ND		10.2	0.765	ug/L		10/16/25 10:31	10/22/25 17:21	1
Nitrobenzene	ND		10.2	0.612	ug/L		10/16/25 10:31	10/22/25 17:21	1
N-Nitrosodi-n-propylamine	ND		10.2	0.337	ug/L		10/16/25 10:31	10/22/25 17:21	1

Client Sample ID: MW-4
Lab Sample ID: 752-38050-4
Date Collected: 10/13/25 15:55
Matrix: Water
Date Received: 10/14/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		10.2	0.194	ug/L		10/16/25 10:31	10/22/25 17:21	1
Pentachlorophenol	ND		10.2	2.86	ug/L		10/16/25 10:31	10/22/25 17:21	1
Phenanthrene	ND		10.2	0.755	ug/L		10/16/25 10:31	10/22/25 17:21	1
Phenol	ND		10.2	0.694	ug/L		10/16/25 10:31	10/22/25 17:21	1
Pyrene	ND		10.2	0.643	ug/L		10/16/25 10:31	10/22/25 17:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*85*		*10 - 150*	*10/16/25 10:31*	*10/22/25 17:21*	*1*
2-Fluorobiphenyl (Surr)	*69*		*25 - 139*	*10/16/25 10:31*	*10/22/25 17:21*	*1*
2-Fluorophenol (Surr)	*59*		*10 - 150*	*10/16/25 10:31*	*10/22/25 17:21*	*1*
Nitrobenzene-d5 (Surr)	*94*		*22 - 150*	*10/16/25 10:31*	*10/22/25 17:21*	*1*
Phenol-d5 (Surr)	*52*		*10 - 150*	*10/16/25 10:31*	*10/22/25 17:21*	*1*
Terphenyl-d14 (Surr)	*50*		*28 - 150*	*10/16/25 10:31*	*10/22/25 17:21*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**8.15**		1.00	0.390	mg/L			10/23/25 22:33	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		10/20/25 08:46	10/21/25 19:27	1
Arsenic	ND		5.00	1.32	ug/L		10/20/25 08:46	10/21/25 19:27	1
Barium	**327**		10.0	0.410	ug/L		10/20/25 08:46	10/21/25 19:27	1
Beryllium	**0.696**	**J**	1.00	0.147	ug/L		10/20/25 08:46	10/21/25 19:27	1
Cadmium	ND		0.700	0.237	ug/L		10/20/25 08:46	10/21/25 19:27	1
Chromium	**6.16**		5.00	3.69	ug/L		10/20/25 08:46	10/21/25 19:27	1
Cobalt	**4.01**	**J**	5.00	0.411	ug/L		10/20/25 08:46	10/21/25 19:27	1
Copper	**18.3**	**B**	2.00	0.642	ug/L		10/20/25 08:46	10/21/25 19:27	1
Lead	**2.20**		1.00	0.864	ug/L		10/20/25 08:46	10/21/25 19:27	1
Manganese	**461**	**B**	5.00	1.29	ug/L		10/20/25 08:46	10/21/25 19:27	1
Nickel	**11.1**		5.00	0.422	ug/L		10/20/25 08:46	10/21/25 19:27	1
Selenium	ND		5.00	2.29	ug/L		10/20/25 08:46	10/21/25 19:27	1
Silver	ND		1.00	0.167	ug/L		10/20/25 08:46	10/21/25 19:27	1
Thallium	ND		1.00	0.190	ug/L		10/20/25 08:46	10/21/25 19:27	1
Vanadium	**13.8**	**B**	5.00	1.22	ug/L		10/20/25 08:46	10/21/25 19:27	1
Zinc	**240**		10.0	8.91	ug/L		10/20/25 08:46	10/21/25 19:27	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		10/20/25 13:01	10/21/25 07:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	**0.0590**		0.0500	0.0460	mg/L			10/21/25 11:30	1
Nitrite as N (EPA 353.2)	**0.110**		0.100	0.0168	mg/L			10/14/25 16:34	1
Nitrate Nitrite as N (MCAWW 353.2-1993 R2.0)	**0.263**		0.100	0.0100	mg/L			10/16/25 12:59	1
Nitrate as N (SM Nitrate by calc)	**0.153**		0.100	0.0100	mg/L			10/22/25 07:35	1

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38050-1

Client Sample ID: MW-6

Date Collected: 10/13/25 14:45
Date Received: 10/14/25 08:00

Lab Sample ID: 752-38050-5

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			10/22/25 17:36	1
Benzene	ND		1.00	0.500	ug/L			10/22/25 17:36	1
Bromobenzene	ND		1.00	0.540	ug/L			10/22/25 17:36	1
Bromoform	ND		5.00	0.250	ug/L			10/22/25 17:36	1
Bromomethane	ND		1.00	0.980	ug/L			10/22/25 17:36	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			10/22/25 17:36	1
Carbon disulfide	ND		1.00	0.500	ug/L			10/22/25 17:36	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			10/22/25 17:36	1
Chlorobenzene	ND		1.00	0.420	ug/L			10/22/25 17:36	1
Chlorobromomethane	ND		1.00	0.520	ug/L			10/22/25 17:36	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			10/22/25 17:36	1
Chloroethane	ND		1.00	0.760	ug/L			10/22/25 17:36	1
Chloroform	ND		1.00	0.900	ug/L			10/22/25 17:36	1
Chloromethane	ND		1.00	0.400	ug/L			10/22/25 17:36	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			10/22/25 17:36	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			10/22/25 17:36	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			10/22/25 17:36	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			10/22/25 17:36	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			10/22/25 17:36	1
Dibromomethane	ND		5.00	0.220	ug/L			10/22/25 17:36	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			10/22/25 17:36	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			10/22/25 17:36	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			10/22/25 17:36	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			10/22/25 17:36	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			10/22/25 17:36	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			10/22/25 17:36	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			10/22/25 17:36	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			10/22/25 17:36	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			10/22/25 17:36	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			10/22/25 17:36	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			10/22/25 17:36	1
Ethyl acetate	ND		10.0	6.14	ug/L			10/22/25 17:36	1
Ethylbenzene	ND		1.00	0.500	ug/L			10/22/25 17:36	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			10/22/25 17:36	1
Hexachlorobutadiene	ND	*+	5.00	0.900	ug/L			10/22/25 17:36	1
Hexane	ND		1.00	0.960	ug/L			10/22/25 17:36	1
2-Hexanone	ND	*+	25.0	4.26	ug/L			10/22/25 17:36	1
Iodomethane	ND		1.00	0.900	ug/L			10/22/25 17:36	1
Isopropylbenzene	ND		1.00	0.530	ug/L			10/22/25 17:36	1
Isopropyl ether	ND		1.00	0.740	ug/L			10/22/25 17:36	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			10/22/25 17:36	1
Methylene Chloride	ND		5.00	3.00	ug/L			10/22/25 17:36	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			10/22/25 17:36	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			10/22/25 17:36	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			10/22/25 17:36	1
Naphthalene	ND		5.00	3.00	ug/L			10/22/25 17:36	1
n-Butylbenzene	ND		1.00	0.760	ug/L			10/22/25 17:36	1
n-Heptane	ND		1.00	0.210	ug/L			10/22/25 17:36	1
N-Propylbenzene	ND		1.00	0.690	ug/L			10/22/25 17:36	1

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38050-1

Client Sample ID: MW-6

Date Collected: 10/13/25 14:45
Date Received: 10/14/25 08:00

Lab Sample ID: 752-38050-5

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			10/22/25 17:36	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			10/22/25 17:36	1
Styrene	ND		1.00	1.00	ug/L			10/22/25 17:36	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			10/22/25 17:36	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			10/22/25 17:36	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			10/22/25 17:36	1
Tetrachloroethene	ND		1.00	0.330	ug/L			10/22/25 17:36	1
Toluene	ND		1.00	0.900	ug/L			10/22/25 17:36	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			10/22/25 17:36	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			10/22/25 17:36	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			10/22/25 17:36	1
1,2,3-Trichlorobenzene	ND	*+	1.00	0.900	ug/L			10/22/25 17:36	1
1,2,4-Trichlorobenzene	ND	*+	1.00	0.820	ug/L			10/22/25 17:36	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			10/22/25 17:36	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			10/22/25 17:36	1
Trichloroethene	ND		1.00	0.150	ug/L			10/22/25 17:36	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			10/22/25 17:36	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			10/22/25 17:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*+	1.00	0.500	ug/L			10/22/25 17:36	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			10/22/25 17:36	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			10/22/25 17:36	1
Vinyl acetate	ND		25.0	0.930	ug/L			10/22/25 17:36	1
Vinyl chloride	ND		1.00	0.500	ug/L			10/22/25 17:36	1
Xylenes, Total	ND		10.0	6.00	ug/L			10/22/25 17:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*56 - 136*		*10/22/25 17:36*	*1*
Dibromofluoromethane	*103*		*79 - 130*		*10/22/25 17:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*59 - 146*		*10/22/25 17:36*	*1*
Toluene-d8 (Surr)	*113*		*64 - 132*		*10/22/25 17:36*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.284	0.284	ug/L		10/17/25 16:48	10/20/25 16:21	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*28*		*10 - 140*	*10/17/25 16:48*	*10/20/25 16:21*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.87	0.414	ug/L		10/16/25 10:31	10/22/25 17:53	1
2,4,5-Trichlorophenol	ND		9.87	0.533	ug/L		10/16/25 10:31	10/22/25 17:53	1
2,4,6-Trichlorophenol	ND		9.87	1.08	ug/L		10/16/25 10:31	10/22/25 17:53	1
2,4-Dichlorophenol	ND		9.87	0.563	ug/L		10/16/25 10:31	10/22/25 17:53	1
2,4-Dimethylphenol	ND		9.87	0.237	ug/L		10/16/25 10:31	10/22/25 17:53	1
2,4-Dinitrophenol	ND	*+	29.6	4.62	ug/L		10/16/25 10:31	10/22/25 17:53	1
2,4-Dinitrotoluene	ND	*+	9.87	0.641	ug/L		10/16/25 10:31	10/22/25 17:53	1
2,6-Dinitrotoluene	ND		9.87	0.286	ug/L		10/16/25 10:31	10/22/25 17:53	1
2-Chloronaphthalene	ND		9.87	0.375	ug/L		10/16/25 10:31	10/22/25 17:53	1
2-Chlorophenol	ND		9.87	0.829	ug/L		10/16/25 10:31	10/22/25 17:53	1
2-Methylnaphthalene	ND		9.87	0.799	ug/L		10/16/25 10:31	10/22/25 17:53	1

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38050-1

Client Sample ID: MW-6
Date Collected: 10/13/25 14:45
Date Received: 10/14/25 08:00

Lab Sample ID: 752-38050-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		9.87	0.750	ug/L		10/16/25 10:31	10/22/25 17:53	1
2-Nitroaniline	ND		9.87	1.35	ug/L		10/16/25 10:31	10/22/25 17:53	1
2-Nitrophenol	ND	*+	9.87	1.15	ug/L		10/16/25 10:31	10/22/25 17:53	1
3 & 4 Methylphenol	ND		19.7	4.54	ug/L		10/16/25 10:31	10/22/25 17:53	1
3,3'-Dichlorobenzidine	ND		10.9	0.405	ug/L		10/16/25 10:31	10/22/25 17:53	1
3-Nitroaniline	ND		9.87	0.938	ug/L		10/16/25 10:31	10/22/25 17:53	1
4,6-Dinitro-2-methylphenol	ND	*+	9.87	1.94	ug/L		10/16/25 10:31	10/22/25 17:53	1
4-Bromophenyl phenyl ether	ND		9.87	0.128	ug/L		10/16/25 10:31	10/22/25 17:53	1
4-Chloro-3-methylphenol	ND		9.87	0.720	ug/L		10/16/25 10:31	10/22/25 17:53	1
4-Chloroaniline	ND		9.87	0.572	ug/L		10/16/25 10:31	10/22/25 17:53	1
4-Chlorophenyl phenyl ether	ND		9.87	0.237	ug/L		10/16/25 10:31	10/22/25 17:53	1
4-Nitroaniline	ND		9.87	3.45	ug/L		10/16/25 10:31	10/22/25 17:53	1
4-Nitrophenol	ND	*+	9.87	2.70	ug/L		10/16/25 10:31	10/22/25 17:53	1
Acenaphthene	ND		9.87	0.622	ug/L		10/16/25 10:31	10/22/25 17:53	1
Acenaphthylene	ND		9.87	0.750	ug/L		10/16/25 10:31	10/22/25 17:53	1
Acetophenone	ND		9.87	3.16	ug/L		10/16/25 10:31	10/22/25 17:53	1
Anthracene	ND		9.87	0.898	ug/L		10/16/25 10:31	10/22/25 17:53	1
Atrazine	ND		9.87	1.12	ug/L		10/16/25 10:31	10/22/25 17:53	1
Benzaldehyde	ND		9.87	0.661	ug/L		10/16/25 10:31	10/22/25 17:53	1
Benzo[a]anthracene	ND		9.87	0.987	ug/L		10/16/25 10:31	10/22/25 17:53	1
Benzo[a]pyrene	ND		9.87	1.09	ug/L		10/16/25 10:31	10/22/25 17:53	1
Benzo[b]fluoranthene	ND		9.87	1.18	ug/L		10/16/25 10:31	10/22/25 17:53	1
Benzo[g,h,i]perylene	ND		9.87	1.48	ug/L		10/16/25 10:31	10/22/25 17:53	1
Benzo[k]fluoranthene	ND		9.87	1.48	ug/L		10/16/25 10:31	10/22/25 17:53	1
bis (2-chloroisopropyl) ether	ND		9.87	0.918	ug/L		10/16/25 10:31	10/22/25 17:53	1
Bis(2-chloroethoxy)methane	ND		9.87	0.336	ug/L		10/16/25 10:31	10/22/25 17:53	1
Bis(2-chloroethyl)ether	ND		9.87	0.720	ug/L		10/16/25 10:31	10/22/25 17:53	1
Bis(2-ethylhexyl) phthalate	ND		9.87	3.95	ug/L		10/16/25 10:31	10/22/25 17:53	1
Butyl benzyl phthalate	ND		9.87	3.95	ug/L		10/16/25 10:31	10/22/25 17:53	1
Caprolactam	ND		9.87	2.37	ug/L		10/16/25 10:31	10/22/25 17:53	1
Carbazole	ND		9.87	0.316	ug/L		10/16/25 10:31	10/22/25 17:53	1
Chrysene	ND		9.87	1.18	ug/L		10/16/25 10:31	10/22/25 17:53	1
Dibenz(a,h)anthracene	ND		9.87	1.28	ug/L		10/16/25 10:31	10/22/25 17:53	1
Dibenzofuran	ND		9.87	0.632	ug/L		10/16/25 10:31	10/22/25 17:53	1
Diethyl phthalate	ND		9.87	3.95	ug/L		10/16/25 10:31	10/22/25 17:53	1
Dimethyl phthalate	ND		9.87	3.95	ug/L		10/16/25 10:31	10/22/25 17:53	1
Di-n-butyl phthalate	ND		9.87	8.08	ug/L		10/16/25 10:31	10/22/25 17:53	1
Di-n-octyl phthalate	ND		9.87	3.95	ug/L		10/16/25 10:31	10/22/25 17:53	1
Fluoranthene	ND		9.87	0.622	ug/L		10/16/25 10:31	10/22/25 17:53	1
Fluorene	ND		9.87	0.661	ug/L		10/16/25 10:31	10/22/25 17:53	1
Hexachlorobenzene	ND		9.87	0.247	ug/L		10/16/25 10:31	10/22/25 17:53	1
Hexachlorobutadiene	ND		9.87	0.543	ug/L		10/16/25 10:31	10/22/25 17:53	1
Hexachlorocyclopentadiene	ND		19.7	0.316	ug/L		10/16/25 10:31	10/22/25 17:53	1
Hexachloroethane	ND		9.87	0.523	ug/L		10/16/25 10:31	10/22/25 17:53	1
Indeno[1,2,3-cd]pyrene	ND		9.87	1.09	ug/L		10/16/25 10:31	10/22/25 17:53	1
Isophorone	ND		9.87	0.789	ug/L		10/16/25 10:31	10/22/25 17:53	1
Naphthalene	ND		9.87	0.740	ug/L		10/16/25 10:31	10/22/25 17:53	1
Nitrobenzene	ND		9.87	0.592	ug/L		10/16/25 10:31	10/22/25 17:53	1
N-Nitrosodi-n-propylamine	ND		9.87	0.326	ug/L		10/16/25 10:31	10/22/25 17:53	1

Client Sample ID: MW-6
Date Collected: 10/13/25 14:45
Date Received: 10/14/25 08:00

Lab Sample ID: 752-38050-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		9.87	0.188	ug/L		10/16/25 10:31	10/22/25 17:53	1
Pentachlorophenol	ND		9.87	2.76	ug/L		10/16/25 10:31	10/22/25 17:53	1
Phenanthrene	ND		9.87	0.730	ug/L		10/16/25 10:31	10/22/25 17:53	1
Phenol	ND		9.87	0.671	ug/L		10/16/25 10:31	10/22/25 17:53	1
Pyrene	ND		9.87	0.622	ug/L		10/16/25 10:31	10/22/25 17:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*86*		*10 - 150*	*10/16/25 10:31*	*10/22/25 17:53*	*1*
2-Fluorobiphenyl (Surr)	*63*		*25 - 139*	*10/16/25 10:31*	*10/22/25 17:53*	*1*
2-Fluorophenol (Surr)	*60*		*10 - 150*	*10/16/25 10:31*	*10/22/25 17:53*	*1*
Nitrobenzene-d5 (Surr)	*86*		*22 - 150*	*10/16/25 10:31*	*10/22/25 17:53*	*1*
Phenol-d5 (Surr)	*53*		*10 - 150*	*10/16/25 10:31*	*10/22/25 17:53*	*1*
Terphenyl-d14 (Surr)	*48*		*28 - 150*	*10/16/25 10:31*	*10/22/25 17:53*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**0.504**	**J**	1.00	0.390	mg/L			10/23/25 22:41	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		10/20/25 08:46	10/21/25 19:29	1
Arsenic	**8.54**		5.00	1.32	ug/L		10/20/25 08:46	10/21/25 19:29	1
Barium	**701**		10.0	0.410	ug/L		10/20/25 08:46	10/21/25 19:29	1
Beryllium	ND		1.00	0.147	ug/L		10/20/25 08:46	10/21/25 19:29	1
Cadmium	ND		0.700	0.237	ug/L		10/20/25 08:46	10/21/25 19:29	1
Chromium	ND		5.00	3.69	ug/L		10/20/25 08:46	10/21/25 19:29	1
Cobalt	**1.71**	**J**	5.00	0.411	ug/L		10/20/25 08:46	10/21/25 19:29	1
Copper	**2.41**	**B**	2.00	0.642	ug/L		10/20/25 08:46	10/21/25 19:29	1
Lead	**4.32**		1.00	0.864	ug/L		10/20/25 08:46	10/21/25 19:29	1
Manganese	**2180**	**B**	5.00	1.29	ug/L		10/20/25 08:46	10/21/25 19:29	1
Nickel	**1.94**	**J**	5.00	0.422	ug/L		10/20/25 08:46	10/21/25 19:29	1
Selenium	ND		5.00	2.29	ug/L		10/20/25 08:46	10/21/25 19:29	1
Silver	ND		1.00	0.167	ug/L		10/20/25 08:46	10/21/25 19:29	1
Thallium	ND		1.00	0.190	ug/L		10/20/25 08:46	10/21/25 19:29	1
Vanadium	**4.49**	**J B**	5.00	1.22	ug/L		10/20/25 08:46	10/21/25 19:29	1
Zinc	**20.2**		10.0	8.91	ug/L		10/20/25 08:46	10/21/25 19:29	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		10/20/25 13:01	10/21/25 07:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	**6.45**		0.100	0.0920	mg/L			10/23/25 13:07	2
Nitrite as N (EPA 353.2)	**0.0313**	**J**	0.100	0.0168	mg/L			10/14/25 16:35	1
Nitrate Nitrite as N (MCAWW 353.2-1993 R2.0)	**0.0690**	**J**	0.100	0.0100	mg/L			10/16/25 13:00	1
Nitrate as N (SM Nitrate by calc)	**0.0377**	**J**	0.100	0.0100	mg/L			10/22/25 07:35	1

Client: S&ME Inc
Job ID: 752-38050-1
Project/Site: East End Park, Durham, NC

Client Sample ID: MW-8
Lab Sample ID: 752-38050-6
Date Collected: 10/13/25 17:20
Matrix: Water
Date Received: 10/14/25 08:00

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			10/23/25 13:33	1
Benzene	ND		1.00	0.500	ug/L			10/23/25 13:33	1
Bromobenzene	ND		1.00	0.540	ug/L			10/23/25 13:33	1
Bromoform	ND		5.00	0.250	ug/L			10/23/25 13:33	1
Bromomethane	ND		1.00	0.980	ug/L			10/23/25 13:33	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			10/23/25 13:33	1
Carbon disulfide	ND		1.00	0.500	ug/L			10/23/25 13:33	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			10/23/25 13:33	1
Chlorobenzene	ND		1.00	0.420	ug/L			10/23/25 13:33	1
Chlorobromomethane	ND		1.00	0.520	ug/L			10/23/25 13:33	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			10/23/25 13:33	1
Chloroethane	ND		1.00	0.760	ug/L			10/23/25 13:33	1
Chloroform	ND		1.00	0.900	ug/L			10/23/25 13:33	1
Chloromethane	ND		1.00	0.400	ug/L			10/23/25 13:33	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			10/23/25 13:33	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			10/23/25 13:33	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			10/23/25 13:33	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			10/23/25 13:33	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			10/23/25 13:33	1
Dibromomethane	ND		5.00	0.220	ug/L			10/23/25 13:33	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			10/23/25 13:33	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			10/23/25 13:33	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			10/23/25 13:33	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			10/23/25 13:33	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			10/23/25 13:33	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			10/23/25 13:33	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			10/23/25 13:33	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 13:33	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 13:33	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 13:33	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			10/23/25 13:33	1
Ethyl acetate	ND		10.0	6.14	ug/L			10/23/25 13:33	1
Ethylbenzene	ND		1.00	0.500	ug/L			10/23/25 13:33	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			10/23/25 13:33	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			10/23/25 13:33	1
Hexane	ND		1.00	0.960	ug/L			10/23/25 13:33	1
2-Hexanone	ND		25.0	4.26	ug/L			10/23/25 13:33	1
Iodomethane	ND		1.00	0.900	ug/L			10/23/25 13:33	1
Isopropylbenzene	ND		1.00	0.530	ug/L			10/23/25 13:33	1
Isopropyl ether	ND		1.00	0.740	ug/L			10/23/25 13:33	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			10/23/25 13:33	1
Methylene Chloride	ND		5.00	3.00	ug/L			10/23/25 13:33	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			10/23/25 13:33	1
Methyl tert-butyl ether	**17.8**		1.00	0.220	ug/L			10/23/25 13:33	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			10/23/25 13:33	1
Naphthalene	ND		5.00	3.00	ug/L			10/23/25 13:33	1
n-Butylbenzene	ND		1.00	0.760	ug/L			10/23/25 13:33	1
n-Heptane	ND		1.00	0.210	ug/L			10/23/25 13:33	1
N-Propylbenzene	ND		1.00	0.690	ug/L			10/23/25 13:33	1

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38050-1

Client Sample ID: MW-8
Date Collected: 10/13/25 17:20
Date Received: 10/14/25 08:00

Lab Sample ID: 752-38050-6
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			10/23/25 13:33	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			10/23/25 13:33	1
Styrene	ND		1.00	1.00	ug/L			10/23/25 13:33	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			10/23/25 13:33	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			10/23/25 13:33	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			10/23/25 13:33	1
Tetrachloroethene	ND		1.00	0.330	ug/L			10/23/25 13:33	1
Toluene	ND		1.00	0.900	ug/L			10/23/25 13:33	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			10/23/25 13:33	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			10/23/25 13:33	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			10/23/25 13:33	1
1,2,3-Trichlorobenzene	ND	*+	1.00	0.900	ug/L			10/23/25 13:33	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			10/23/25 13:33	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			10/23/25 13:33	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			10/23/25 13:33	1
Trichloroethene	ND		1.00	0.150	ug/L			10/23/25 13:33	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			10/23/25 13:33	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			10/23/25 13:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*+	1.00	0.500	ug/L			10/23/25 13:33	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			10/23/25 13:33	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			10/23/25 13:33	1
Vinyl acetate	ND		25.0	0.930	ug/L			10/23/25 13:33	1
Vinyl chloride	ND		1.00	0.500	ug/L			10/23/25 13:33	1
Xylenes, Total	ND		10.0	6.00	ug/L			10/23/25 13:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*56 - 136*		*10/23/25 13:33*	*1*
Dibromofluoromethane	*104*		*79 - 130*		*10/23/25 13:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*59 - 146*		*10/23/25 13:33*	*1*
Toluene-d8 (Surr)	*114*		*64 - 132*		*10/23/25 13:33*	*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		0.285	0.285	ug/L		10/17/25 16:48	10/20/25 16:43	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*22*		*10 - 140*	*10/17/25 16:48*	*10/20/25 16:43*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		10.2	0.429	ug/L		10/16/25 10:31	10/22/25 18:25	1
2,4,5-Trichlorophenol	ND		10.2	0.551	ug/L		10/16/25 10:31	10/22/25 18:25	1
2,4,6-Trichlorophenol	ND		10.2	1.11	ug/L		10/16/25 10:31	10/22/25 18:25	1
2,4-Dichlorophenol	ND		10.2	0.582	ug/L		10/16/25 10:31	10/22/25 18:25	1
2,4-Dimethylphenol	ND		10.2	0.245	ug/L		10/16/25 10:31	10/22/25 18:25	1
2,4-Dinitrophenol	ND	*+	30.6	4.78	ug/L		10/16/25 10:31	10/22/25 18:25	1
2,4-Dinitrotoluene	ND	*+	10.2	0.663	ug/L		10/16/25 10:31	10/22/25 18:25	1
2,6-Dinitrotoluene	ND		10.2	0.296	ug/L		10/16/25 10:31	10/22/25 18:25	1
2-Chloronaphthalene	ND		10.2	0.388	ug/L		10/16/25 10:31	10/22/25 18:25	1
2-Chlorophenol	ND		10.2	0.857	ug/L		10/16/25 10:31	10/22/25 18:25	1
2-Methylnaphthalene	ND		10.2	0.827	ug/L		10/16/25 10:31	10/22/25 18:25	1

Client Sample ID: MW-8
Lab Sample ID: 752-38050-6
Date Collected: 10/13/25 17:20
Matrix: Water
Date Received: 10/14/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		10.2	0.776	ug/L		10/16/25 10:31	10/22/25 18:25	1
2-Nitroaniline	ND		10.2	1.40	ug/L		10/16/25 10:31	10/22/25 18:25	1
2-Nitrophenol	ND	*+	10.2	1.19	ug/L		10/16/25 10:31	10/22/25 18:25	1
3 & 4 Methylphenol	ND		20.4	4.69	ug/L		10/16/25 10:31	10/22/25 18:25	1
3,3'-Dichlorobenzidine	ND		11.2	0.418	ug/L		10/16/25 10:31	10/22/25 18:25	1
3-Nitroaniline	ND		10.2	0.969	ug/L		10/16/25 10:31	10/22/25 18:25	1
4,6-Dinitro-2-methylphenol	ND	*+	10.2	2.01	ug/L		10/16/25 10:31	10/22/25 18:25	1
4-Bromophenyl phenyl ether	ND		10.2	0.133	ug/L		10/16/25 10:31	10/22/25 18:25	1
4-Chloro-3-methylphenol	ND		10.2	0.745	ug/L		10/16/25 10:31	10/22/25 18:25	1
4-Chloroaniline	ND		10.2	0.592	ug/L		10/16/25 10:31	10/22/25 18:25	1
4-Chlorophenyl phenyl ether	ND		10.2	0.245	ug/L		10/16/25 10:31	10/22/25 18:25	1
4-Nitroaniline	ND		10.2	3.57	ug/L		10/16/25 10:31	10/22/25 18:25	1
4-Nitrophenol	ND	*+	10.2	2.80	ug/L		10/16/25 10:31	10/22/25 18:25	1
Acenaphthene	ND		10.2	0.643	ug/L		10/16/25 10:31	10/22/25 18:25	1
Acenaphthylene	ND		10.2	0.776	ug/L		10/16/25 10:31	10/22/25 18:25	1
Acetophenone	ND		10.2	3.27	ug/L		10/16/25 10:31	10/22/25 18:25	1
Anthracene	ND		10.2	0.929	ug/L		10/16/25 10:31	10/22/25 18:25	1
Atrazine	ND		10.2	1.15	ug/L		10/16/25 10:31	10/22/25 18:25	1
Benzaldehyde	ND		10.2	0.684	ug/L		10/16/25 10:31	10/22/25 18:25	1
Benzo[a]anthracene	ND		10.2	1.02	ug/L		10/16/25 10:31	10/22/25 18:25	1
Benzo[a]pyrene	ND		10.2	1.12	ug/L		10/16/25 10:31	10/22/25 18:25	1
Benzo[b]fluoranthene	ND		10.2	1.22	ug/L		10/16/25 10:31	10/22/25 18:25	1
Benzo[g,h,i]perylene	ND		10.2	1.53	ug/L		10/16/25 10:31	10/22/25 18:25	1
Benzo[k]fluoranthene	ND		10.2	1.53	ug/L		10/16/25 10:31	10/22/25 18:25	1
bis (2-chloroisopropyl) ether	ND		10.2	0.949	ug/L		10/16/25 10:31	10/22/25 18:25	1
Bis(2-chloroethoxy)methane	ND		10.2	0.347	ug/L		10/16/25 10:31	10/22/25 18:25	1
Bis(2-chloroethyl)ether	ND		10.2	0.745	ug/L		10/16/25 10:31	10/22/25 18:25	1
Bis(2-ethylhexyl) phthalate	ND		10.2	4.08	ug/L		10/16/25 10:31	10/22/25 18:25	1
Butyl benzyl phthalate	ND		10.2	4.08	ug/L		10/16/25 10:31	10/22/25 18:25	1
Caprolactam	ND		10.2	2.45	ug/L		10/16/25 10:31	10/22/25 18:25	1
Carbazole	ND		10.2	0.327	ug/L		10/16/25 10:31	10/22/25 18:25	1
Chrysene	ND		10.2	1.22	ug/L		10/16/25 10:31	10/22/25 18:25	1
Dibenz(a,h)anthracene	ND		10.2	1.33	ug/L		10/16/25 10:31	10/22/25 18:25	1
Dibenzofuran	ND		10.2	0.653	ug/L		10/16/25 10:31	10/22/25 18:25	1
Diethyl phthalate	ND		10.2	4.08	ug/L		10/16/25 10:31	10/22/25 18:25	1
Dimethyl phthalate	ND		10.2	4.08	ug/L		10/16/25 10:31	10/22/25 18:25	1
Di-n-butyl phthalate	ND		10.2	8.36	ug/L		10/16/25 10:31	10/22/25 18:25	1
Di-n-octyl phthalate	ND		10.2	4.08	ug/L		10/16/25 10:31	10/22/25 18:25	1
Fluoranthene	ND		10.2	0.643	ug/L		10/16/25 10:31	10/22/25 18:25	1
Fluorene	ND		10.2	0.684	ug/L		10/16/25 10:31	10/22/25 18:25	1
Hexachlorobenzene	ND		10.2	0.255	ug/L		10/16/25 10:31	10/22/25 18:25	1
Hexachlorobutadiene	ND		10.2	0.561	ug/L		10/16/25 10:31	10/22/25 18:25	1
Hexachlorocyclopentadiene	ND		20.4	0.327	ug/L		10/16/25 10:31	10/22/25 18:25	1
Hexachloroethane	ND		10.2	0.541	ug/L		10/16/25 10:31	10/22/25 18:25	1
Indeno[1,2,3-cd]pyrene	ND		10.2	1.12	ug/L		10/16/25 10:31	10/22/25 18:25	1
Isophorone	ND		10.2	0.816	ug/L		10/16/25 10:31	10/22/25 18:25	1
Naphthalene	ND		10.2	0.765	ug/L		10/16/25 10:31	10/22/25 18:25	1
Nitrobenzene	ND		10.2	0.612	ug/L		10/16/25 10:31	10/22/25 18:25	1
N-Nitrosodi-n-propylamine	ND		10.2	0.337	ug/L		10/16/25 10:31	10/22/25 18:25	1

Client Sample ID: MW-8

Date Collected: 10/13/25 17:20
Date Received: 10/14/25 08:00

Lab Sample ID: 752-38050-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		10.2	0.194	ug/L		10/16/25 10:31	10/22/25 18:25	1
Pentachlorophenol	ND		10.2	2.86	ug/L		10/16/25 10:31	10/22/25 18:25	1
Phenanthrene	ND		10.2	0.755	ug/L		10/16/25 10:31	10/22/25 18:25	1
Phenol	ND		10.2	0.694	ug/L		10/16/25 10:31	10/22/25 18:25	1
Pyrene	ND		10.2	0.643	ug/L		10/16/25 10:31	10/22/25 18:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*90*		*10 - 150*	*10/16/25 10:31*	*10/22/25 18:25*	*1*
2-Fluorobiphenyl (Surr)	*68*		*25 - 139*	*10/16/25 10:31*	*10/22/25 18:25*	*1*
2-Fluorophenol (Surr)	*57*		*10 - 150*	*10/16/25 10:31*	*10/22/25 18:25*	*1*
Nitrobenzene-d5 (Surr)	*87*		*22 - 150*	*10/16/25 10:31*	*10/22/25 18:25*	*1*
Phenol-d5 (Surr)	*48*		*10 - 150*	*10/16/25 10:31*	*10/22/25 18:25*	*1*
Terphenyl-d14 (Surr)	*47*		*28 - 150*	*10/16/25 10:31*	*10/22/25 18:25*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**0.545**	**J**	1.00	0.390	mg/L			10/23/25 22:50	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		10/20/25 08:46	10/21/25 19:31	1
Arsenic	**2.53**	**J**	5.00	1.32	ug/L		10/20/25 08:46	10/21/25 19:31	1
Barium	**1440**		10.0	0.410	ug/L		10/20/25 08:46	10/21/25 19:31	1
Beryllium	ND		1.00	0.147	ug/L		10/20/25 08:46	10/21/25 19:31	1
Cadmium	ND		0.700	0.237	ug/L		10/20/25 08:46	10/21/25 19:31	1
Chromium	ND		5.00	3.69	ug/L		10/20/25 08:46	10/21/25 19:31	1
Cobalt	**1.62**	**J**	5.00	0.411	ug/L		10/20/25 08:46	10/21/25 19:31	1
Copper	**2.00**	**B**	2.00	0.642	ug/L		10/20/25 08:46	10/21/25 19:31	1
Lead	ND		1.00	0.864	ug/L		10/20/25 08:46	10/21/25 19:31	1
Manganese	**3130**	**B**	5.00	1.29	ug/L		10/20/25 08:46	10/21/25 19:31	1
Nickel	**2.87**	**J**	5.00	0.422	ug/L		10/20/25 08:46	10/21/25 19:31	1
Selenium	ND		5.00	2.29	ug/L		10/20/25 08:46	10/21/25 19:31	1
Silver	ND		1.00	0.167	ug/L		10/20/25 08:46	10/21/25 19:31	1
Thallium	ND		1.00	0.190	ug/L		10/20/25 08:46	10/21/25 19:31	1
Vanadium	**5.59**	**B**	5.00	1.22	ug/L		10/20/25 08:46	10/21/25 19:31	1
Zinc	**15.7**		10.0	8.91	ug/L		10/20/25 08:46	10/21/25 19:31	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		10/20/25 13:01	10/21/25 07:30	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			10/21/25 11:36	1
Nitrite as N (EPA 353.2)	ND		0.100	0.0168	mg/L			10/14/25 16:36	1
Nitrate Nitrite as N (MCAWW 353.2-1993 R2.0)	**0.0250**	**J F1 F2**	0.100	0.0100	mg/L			10/16/25 13:08	1
Nitrate as N (SM Nitrate by calc)	**0.0250**	**J**	0.100	0.0100	mg/L			10/22/25 07:35	1

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38050-1

Client Sample ID: 101325-Dup1

Date Collected: 10/13/25 00:00
Date Received: 10/14/25 08:00

Lab Sample ID: 752-38050-7

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			10/23/25 13:09	1
Benzene	ND		1.00	0.500	ug/L			10/23/25 13:09	1
Bromobenzene	ND		1.00	0.540	ug/L			10/23/25 13:09	1
Bromoform	ND		5.00	0.250	ug/L			10/23/25 13:09	1
Bromomethane	ND		1.00	0.980	ug/L			10/23/25 13:09	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			10/23/25 13:09	1
Carbon disulfide	ND		1.00	0.500	ug/L			10/23/25 13:09	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			10/23/25 13:09	1
Chlorobenzene	ND		1.00	0.420	ug/L			10/23/25 13:09	1
Chlorobromomethane	ND		1.00	0.520	ug/L			10/23/25 13:09	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			10/23/25 13:09	1
Chloroethane	ND		1.00	0.760	ug/L			10/23/25 13:09	1
Chloroform	ND		1.00	0.900	ug/L			10/23/25 13:09	1
Chloromethane	ND		1.00	0.400	ug/L			10/23/25 13:09	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			10/23/25 13:09	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			10/23/25 13:09	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			10/23/25 13:09	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			10/23/25 13:09	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			10/23/25 13:09	1
Dibromomethane	ND		5.00	0.220	ug/L			10/23/25 13:09	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			10/23/25 13:09	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			10/23/25 13:09	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			10/23/25 13:09	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			10/23/25 13:09	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			10/23/25 13:09	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			10/23/25 13:09	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			10/23/25 13:09	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 13:09	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 13:09	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 13:09	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			10/23/25 13:09	1
Ethyl acetate	ND		10.0	6.14	ug/L			10/23/25 13:09	1
Ethylbenzene	ND		1.00	0.500	ug/L			10/23/25 13:09	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			10/23/25 13:09	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			10/23/25 13:09	1
Hexane	ND		1.00	0.960	ug/L			10/23/25 13:09	1
2-Hexanone	ND		25.0	4.26	ug/L			10/23/25 13:09	1
Iodomethane	ND		1.00	0.900	ug/L			10/23/25 13:09	1
Isopropylbenzene	ND		1.00	0.530	ug/L			10/23/25 13:09	1
Isopropyl ether	ND		1.00	0.740	ug/L			10/23/25 13:09	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			10/23/25 13:09	1
Methylene Chloride	ND		5.00	3.00	ug/L			10/23/25 13:09	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			10/23/25 13:09	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			10/23/25 13:09	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			10/23/25 13:09	1
Naphthalene	ND		5.00	3.00	ug/L			10/23/25 13:09	1
n-Butylbenzene	ND		1.00	0.760	ug/L			10/23/25 13:09	1
n-Heptane	ND		1.00	0.210	ug/L			10/23/25 13:09	1
N-Propylbenzene	ND		1.00	0.690	ug/L			10/23/25 13:09	1

Client Sample ID: 101325-Dup1
Date Collected: 10/13/25 00:00
Date Received: 10/14/25 08:00

Lab Sample ID: 752-38050-7
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			10/23/25 13:09	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			10/23/25 13:09	1
Styrene	ND		1.00	1.00	ug/L			10/23/25 13:09	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			10/23/25 13:09	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			10/23/25 13:09	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			10/23/25 13:09	1
Tetrachloroethene	ND		1.00	0.330	ug/L			10/23/25 13:09	1
Toluene	ND		1.00	0.900	ug/L			10/23/25 13:09	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			10/23/25 13:09	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			10/23/25 13:09	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			10/23/25 13:09	1
1,2,3-Trichlorobenzene	ND	*+	1.00	0.900	ug/L			10/23/25 13:09	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			10/23/25 13:09	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			10/23/25 13:09	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			10/23/25 13:09	1
Trichloroethene	ND		1.00	0.150	ug/L			10/23/25 13:09	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			10/23/25 13:09	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			10/23/25 13:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*+ F1	1.00	0.500	ug/L			10/23/25 13:09	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			10/23/25 13:09	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			10/23/25 13:09	1
Vinyl acetate	ND		25.0	0.930	ug/L			10/23/25 13:09	1
Vinyl chloride	ND		1.00	0.500	ug/L			10/23/25 13:09	1
Xylenes, Total	ND		10.0	6.00	ug/L			10/23/25 13:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*56 - 136*		*10/23/25 13:09*	*1*
Dibromofluoromethane	*103*		*79 - 130*		*10/23/25 13:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*59 - 146*		*10/23/25 13:09*	*1*
Toluene-d8 (Surr)	*114*		*64 - 132*		*10/23/25 13:09*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.282	0.282	ug/L		10/17/25 16:48	10/20/25 17:04	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*23*		*10 - 140*	*10/17/25 16:48*	*10/20/25 17:04*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		10.1	0.424	ug/L		10/16/25 10:31	10/22/25 18:57	1
2,4,5-Trichlorophenol	ND		10.1	0.545	ug/L		10/16/25 10:31	10/22/25 18:57	1
2,4,6-Trichlorophenol	ND		10.1	1.10	ug/L		10/16/25 10:31	10/22/25 18:57	1
2,4-Dichlorophenol	ND		10.1	0.576	ug/L		10/16/25 10:31	10/22/25 18:57	1
2,4-Dimethylphenol	ND		10.1	0.242	ug/L		10/16/25 10:31	10/22/25 18:57	1
2,4-Dinitrophenol	ND	*+	30.3	4.73	ug/L		10/16/25 10:31	10/22/25 18:57	1
2,4-Dinitrotoluene	ND	*+	10.1	0.657	ug/L		10/16/25 10:31	10/22/25 18:57	1
2,6-Dinitrotoluene	ND		10.1	0.293	ug/L		10/16/25 10:31	10/22/25 18:57	1
2-Chloronaphthalene	ND		10.1	0.384	ug/L		10/16/25 10:31	10/22/25 18:57	1
2-Chlorophenol	ND		10.1	0.848	ug/L		10/16/25 10:31	10/22/25 18:57	1
2-Methylnaphthalene	ND		10.1	0.818	ug/L		10/16/25 10:31	10/22/25 18:57	1

Client Sample ID: 101325-Dup1
Lab Sample ID: 752-38050-7
Date Collected: 10/13/25 00:00
Matrix: Water
Date Received: 10/14/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		10.1	0.768	ug/L		10/16/25 10:31	10/22/25 18:57	1
2-Nitroaniline	ND		10.1	1.38	ug/L		10/16/25 10:31	10/22/25 18:57	1
2-Nitrophenol	ND	*+	10.1	1.18	ug/L		10/16/25 10:31	10/22/25 18:57	1
3 & 4 Methylphenol	ND		20.2	4.65	ug/L		10/16/25 10:31	10/22/25 18:57	1
3,3'-Dichlorobenzidine	ND		11.1	0.414	ug/L		10/16/25 10:31	10/22/25 18:57	1
3-Nitroaniline	ND		10.1	0.960	ug/L		10/16/25 10:31	10/22/25 18:57	1
4,6-Dinitro-2-methylphenol	ND	*+	10.1	1.99	ug/L		10/16/25 10:31	10/22/25 18:57	1
4-Bromophenyl phenyl ether	ND		10.1	0.131	ug/L		10/16/25 10:31	10/22/25 18:57	1
4-Chloro-3-methylphenol	ND		10.1	0.737	ug/L		10/16/25 10:31	10/22/25 18:57	1
4-Chloroaniline	ND		10.1	0.586	ug/L		10/16/25 10:31	10/22/25 18:57	1
4-Chlorophenyl phenyl ether	ND		10.1	0.242	ug/L		10/16/25 10:31	10/22/25 18:57	1
4-Nitroaniline	ND		10.1	3.54	ug/L		10/16/25 10:31	10/22/25 18:57	1
4-Nitrophenol	ND	*+	10.1	2.77	ug/L		10/16/25 10:31	10/22/25 18:57	1
Acenaphthene	ND		10.1	0.636	ug/L		10/16/25 10:31	10/22/25 18:57	1
Acenaphthylene	ND		10.1	0.768	ug/L		10/16/25 10:31	10/22/25 18:57	1
Acetophenone	ND		10.1	3.23	ug/L		10/16/25 10:31	10/22/25 18:57	1
Anthracene	ND		10.1	0.919	ug/L		10/16/25 10:31	10/22/25 18:57	1
Atrazine	ND		10.1	1.14	ug/L		10/16/25 10:31	10/22/25 18:57	1
Benzaldehyde	ND		10.1	0.677	ug/L		10/16/25 10:31	10/22/25 18:57	1
Benzo[a]anthracene	ND		10.1	1.01	ug/L		10/16/25 10:31	10/22/25 18:57	1
Benzo[a]pyrene	ND		10.1	1.11	ug/L		10/16/25 10:31	10/22/25 18:57	1
Benzo[b]fluoranthene	ND		10.1	1.21	ug/L		10/16/25 10:31	10/22/25 18:57	1
Benzo[g,h,i]perylene	ND		10.1	1.52	ug/L		10/16/25 10:31	10/22/25 18:57	1
Benzo[k]fluoranthene	ND		10.1	1.52	ug/L		10/16/25 10:31	10/22/25 18:57	1
bis (2-chloroisopropyl) ether	ND		10.1	0.939	ug/L		10/16/25 10:31	10/22/25 18:57	1
Bis(2-chloroethoxy)methane	ND		10.1	0.343	ug/L		10/16/25 10:31	10/22/25 18:57	1
Bis(2-chloroethyl)ether	ND		10.1	0.737	ug/L		10/16/25 10:31	10/22/25 18:57	1
Bis(2-ethylhexyl) phthalate	ND		10.1	4.04	ug/L		10/16/25 10:31	10/22/25 18:57	1
Butyl benzyl phthalate	ND		10.1	4.04	ug/L		10/16/25 10:31	10/22/25 18:57	1
Caprolactam	**7.94**	**J**	10.1	2.42	ug/L		10/16/25 10:31	10/22/25 18:57	1
Carbazole	ND		10.1	0.323	ug/L		10/16/25 10:31	10/22/25 18:57	1
Chrysene	ND		10.1	1.21	ug/L		10/16/25 10:31	10/22/25 18:57	1
Dibenz(a,h)anthracene	ND		10.1	1.31	ug/L		10/16/25 10:31	10/22/25 18:57	1
Dibenzofuran	ND		10.1	0.646	ug/L		10/16/25 10:31	10/22/25 18:57	1
Diethyl phthalate	ND		10.1	4.04	ug/L		10/16/25 10:31	10/22/25 18:57	1
Dimethyl phthalate	ND		10.1	4.04	ug/L		10/16/25 10:31	10/22/25 18:57	1
Di-n-butyl phthalate	ND		10.1	8.27	ug/L		10/16/25 10:31	10/22/25 18:57	1
Di-n-octyl phthalate	ND		10.1	4.04	ug/L		10/16/25 10:31	10/22/25 18:57	1
Fluoranthene	ND		10.1	0.636	ug/L		10/16/25 10:31	10/22/25 18:57	1
Fluorene	ND		10.1	0.677	ug/L		10/16/25 10:31	10/22/25 18:57	1
Hexachlorobenzene	ND		10.1	0.253	ug/L		10/16/25 10:31	10/22/25 18:57	1
Hexachlorobutadiene	ND		10.1	0.556	ug/L		10/16/25 10:31	10/22/25 18:57	1
Hexachlorocyclopentadiene	ND		20.2	0.323	ug/L		10/16/25 10:31	10/22/25 18:57	1
Hexachloroethane	ND		10.1	0.535	ug/L		10/16/25 10:31	10/22/25 18:57	1
Indeno[1,2,3-cd]pyrene	ND		10.1	1.11	ug/L		10/16/25 10:31	10/22/25 18:57	1
Isophorone	ND		10.1	0.808	ug/L		10/16/25 10:31	10/22/25 18:57	1
Naphthalene	ND		10.1	0.758	ug/L		10/16/25 10:31	10/22/25 18:57	1
Nitrobenzene	ND		10.1	0.606	ug/L		10/16/25 10:31	10/22/25 18:57	1
N-Nitrosodi-n-propylamine	ND		10.1	0.333	ug/L		10/16/25 10:31	10/22/25 18:57	1

Client Sample ID: 101325-Dup1

Date Collected: 10/13/25 00:00
Date Received: 10/14/25 08:00

Lab Sample ID: 752-38050-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		10.1	0.192	ug/L		10/16/25 10:31	10/22/25 18:57	1
Pentachlorophenol	ND		10.1	2.83	ug/L		10/16/25 10:31	10/22/25 18:57	1
Phenanthrene	ND		10.1	0.747	ug/L		10/16/25 10:31	10/22/25 18:57	1
Phenol	ND		10.1	0.687	ug/L		10/16/25 10:31	10/22/25 18:57	1
Pyrene	ND		10.1	0.636	ug/L		10/16/25 10:31	10/22/25 18:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*91*		*10 - 150*	*10/16/25 10:31*	*10/22/25 18:57*	*1*
2-Fluorobiphenyl (Surr)	*70*		*25 - 139*	*10/16/25 10:31*	*10/22/25 18:57*	*1*
2-Fluorophenol (Surr)	*57*		*10 - 150*	*10/16/25 10:31*	*10/22/25 18:57*	*1*
Nitrobenzene-d5 (Surr)	*95*		*22 - 150*	*10/16/25 10:31*	*10/22/25 18:57*	*1*
Phenol-d5 (Surr)	*48*		*10 - 150*	*10/16/25 10:31*	*10/22/25 18:57*	*1*
Terphenyl-d14 (Surr)	*69*		*28 - 150*	*10/16/25 10:31*	*10/22/25 18:57*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**2.43**		1.00	0.390	mg/L			10/23/25 22:58	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	2.45	ug/L		10/20/25 08:46	10/21/25 19:34	1
Arsenic	**1.50**	**J**	5.00	1.32	ug/L		10/20/25 08:46	10/21/25 19:34	1
Barium	**156**		10.0	0.410	ug/L		10/20/25 08:46	10/21/25 19:34	1
Beryllium	ND		1.00	0.147	ug/L		10/20/25 08:46	10/21/25 19:34	1
Cadmium	ND		0.700	0.237	ug/L		10/20/25 08:46	10/21/25 19:34	1
Chromium	ND		5.00	3.69	ug/L		10/20/25 08:46	10/21/25 19:34	1
Cobalt	ND		5.00	0.411	ug/L		10/20/25 08:46	10/21/25 19:34	1
Copper	**1.59**	**J B**	2.00	0.642	ug/L		10/20/25 08:46	10/21/25 19:34	1
Lead	**2.04**		1.00	0.864	ug/L		10/20/25 08:46	10/21/25 19:34	1
Manganese	**73.0**	**B**	5.00	1.29	ug/L		10/20/25 08:46	10/21/25 19:34	1
Nickel	**1.25**	**J**	5.00	0.422	ug/L		10/20/25 08:46	10/21/25 19:34	1
Selenium	ND		5.00	2.29	ug/L		10/20/25 08:46	10/21/25 19:34	1
Silver	ND		1.00	0.167	ug/L		10/20/25 08:46	10/21/25 19:34	1
Thallium	ND		1.00	0.190	ug/L		10/20/25 08:46	10/21/25 19:34	1
Vanadium	**2.97**	**J B**	5.00	1.22	ug/L		10/20/25 08:46	10/21/25 19:34	1
Zinc	**16.7**		10.0	8.91	ug/L		10/20/25 08:46	10/21/25 19:34	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		10/20/25 13:01	10/21/25 07:34	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			10/21/25 11:38	1
Nitrite as N (EPA 353.2)	ND		0.100	0.0168	mg/L			10/14/25 16:39	1
Nitrate Nitrite as N (MCAWW 353.2-1993 R2.0)	**0.0220**	**J**	0.100	0.0100	mg/L			10/16/25 13:02	1
Nitrate as N (SM Nitrate by calc)	**0.0220**	**J**	0.100	0.0100	mg/L			10/22/25 07:35	1

Client: S&ME Inc
Job ID: 752-38050-1
Project/Site: East End Park, Durham, NC

Client Sample ID: Trip Blank 1
Lab Sample ID: 752-38050-8
Date Collected: 10/13/25 00:00
Matrix: Water
Date Received: 10/14/25 08:00

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			10/23/25 12:45	1
Benzene	ND		1.00	0.500	ug/L			10/23/25 12:45	1
Bromobenzene	ND		1.00	0.540	ug/L			10/23/25 12:45	1
Bromoform	ND		5.00	0.250	ug/L			10/23/25 12:45	1
Bromomethane	ND		1.00	0.980	ug/L			10/23/25 12:45	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			10/23/25 12:45	1
Carbon disulfide	ND		1.00	0.500	ug/L			10/23/25 12:45	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			10/23/25 12:45	1
Chlorobenzene	ND		1.00	0.420	ug/L			10/23/25 12:45	1
Chlorobromomethane	ND		1.00	0.520	ug/L			10/23/25 12:45	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			10/23/25 12:45	1
Chloroethane	ND		1.00	0.760	ug/L			10/23/25 12:45	1
Chloroform	ND		1.00	0.900	ug/L			10/23/25 12:45	1
Chloromethane	ND		1.00	0.400	ug/L			10/23/25 12:45	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			10/23/25 12:45	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			10/23/25 12:45	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			10/23/25 12:45	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			10/23/25 12:45	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			10/23/25 12:45	1
Dibromomethane	ND		5.00	0.220	ug/L			10/23/25 12:45	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			10/23/25 12:45	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			10/23/25 12:45	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			10/23/25 12:45	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			10/23/25 12:45	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			10/23/25 12:45	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			10/23/25 12:45	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			10/23/25 12:45	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 12:45	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 12:45	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 12:45	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			10/23/25 12:45	1
Ethyl acetate	ND		10.0	6.14	ug/L			10/23/25 12:45	1
Ethylbenzene	ND		1.00	0.500	ug/L			10/23/25 12:45	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			10/23/25 12:45	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			10/23/25 12:45	1
Hexane	ND		1.00	0.960	ug/L			10/23/25 12:45	1
2-Hexanone	ND		25.0	4.26	ug/L			10/23/25 12:45	1
Iodomethane	ND		1.00	0.900	ug/L			10/23/25 12:45	1
Isopropylbenzene	ND		1.00	0.530	ug/L			10/23/25 12:45	1
Isopropyl ether	ND		1.00	0.740	ug/L			10/23/25 12:45	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			10/23/25 12:45	1
Methylene Chloride	ND		5.00	3.00	ug/L			10/23/25 12:45	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			10/23/25 12:45	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			10/23/25 12:45	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			10/23/25 12:45	1
Naphthalene	ND		5.00	3.00	ug/L			10/23/25 12:45	1
n-Butylbenzene	ND		1.00	0.760	ug/L			10/23/25 12:45	1
n-Heptane	ND		1.00	0.210	ug/L			10/23/25 12:45	1
N-Propylbenzene	ND		1.00	0.690	ug/L			10/23/25 12:45	1

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38050-1

Client Sample ID: Trip Blank 1

Date Collected: 10/13/25 00:00
Date Received: 10/14/25 08:00

Lab Sample ID: 752-38050-8

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			10/23/25 12:45	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			10/23/25 12:45	1
Styrene	ND		1.00	1.00	ug/L			10/23/25 12:45	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			10/23/25 12:45	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			10/23/25 12:45	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			10/23/25 12:45	1
Tetrachloroethene	ND		1.00	0.330	ug/L			10/23/25 12:45	1
Toluene	ND		1.00	0.900	ug/L			10/23/25 12:45	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			10/23/25 12:45	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			10/23/25 12:45	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			10/23/25 12:45	1
1,2,3-Trichlorobenzene	ND	*+	1.00	0.900	ug/L			10/23/25 12:45	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			10/23/25 12:45	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			10/23/25 12:45	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			10/23/25 12:45	1
Trichloroethene	ND		1.00	0.150	ug/L			10/23/25 12:45	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			10/23/25 12:45	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			10/23/25 12:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*+	1.00	0.500	ug/L			10/23/25 12:45	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			10/23/25 12:45	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			10/23/25 12:45	1
Vinyl acetate	ND		25.0	0.930	ug/L			10/23/25 12:45	1
Vinyl chloride	ND		1.00	0.500	ug/L			10/23/25 12:45	1
Xylenes, Total	ND		10.0	6.00	ug/L			10/23/25 12:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*56 - 136*		*10/23/25 12:45*	*1*
Dibromofluoromethane	*103*		*79 - 130*		*10/23/25 12:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*59 - 146*		*10/23/25 12:45*	*1*
Toluene-d8 (Surr)	*114*		*64 - 132*		*10/23/25 12:45*	*1*

Surrogate Summary

Client: S&ME Inc
Job ID: 752-38050-1
Project/Site: East End Park, Durham, NC

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(56-136)	(79-130)	(59-146)	(64-132)
752-38050-1	MW-1	93	102	107	113
752-38050-2	MW-2	92	100	108	112
752-38050-3	MW-3	93	103	108	114
752-38050-4	MW-4	92	103	108	112
752-38050-5	MW-6	92	103	109	113
752-38050-6	MW-8	93	104	109	114
752-38050-7	101325-Dup1	94	103	109	114
752-38050-7 MS	101325-Dup1	87	100	99	113
752-38050-7 MSD	101325-Dup1	90	97	98	112
752-38050-8	Trip Blank 1	94	103	108	114
LCS 400-727624/1002	Lab Control Sample	88	99	99	112
LCS 400-727815/1002	Lab Control Sample	89	100	100	109
MB 400-727624/4	Method Blank	93	101	106	113
MB 400-727815/4	Method Blank	93	102	108	113

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(10-150)	(25-139)	(10-150)	(22-150)	(10-150)	(28-150)
752-38050-1	MW-1	88	69	51	90	40	69
752-38050-2	MW-2	85	67	53	86	46	51
752-38050-3	MW-3	88	68	57	89	49	45
752-38050-4	MW-4	85	69	59	94	52	50
752-38050-5	MW-6	86	63	60	86	53	48
752-38050-6	MW-8	90	68	57	87	48	47
752-38050-7	101325-Dup1	91	70	57	95	48	69
LCS 400-727030/2-A	Lab Control Sample	91	64	66	92	66	63
MB 400-727030/1-A	Method Blank	96	73	68	104	61	68

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)

Isotope Dilution Summary

Client: S&ME Inc
Job ID: 752-38050-1
Project/Site: East End Park, Durham, NC

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)						
752-38050-1	MW-1	18						
752-38050-2	MW-2	28						
752-38050-3	MW-3	24						
752-38050-4	MW-4	23						
752-38050-5	MW-6	28						
752-38050-6	MW-8	22						
752-38050-7	101325-Dup1	23						
LCS 400-727262/2-A	Lab Control Sample	25						
LCSD 400-727262/3-A	Lab Control Sample Dup	22						
MB 400-727262/1-A	Method Blank	30						

Surrogate Legend

DXE = 1,4-Dioxane-d8

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

Lab Sample ID: MB 400-727624/4
Matrix: Water
Analysis Batch: 727624

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			10/22/25 08:35	1
Benzene	ND		1.00	0.500	ug/L			10/22/25 08:35	1
Bromobenzene	ND		1.00	0.540	ug/L			10/22/25 08:35	1
Bromoform	ND		5.00	0.250	ug/L			10/22/25 08:35	1
Bromomethane	ND		1.00	0.980	ug/L			10/22/25 08:35	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			10/22/25 08:35	1
Carbon disulfide	ND		1.00	0.500	ug/L			10/22/25 08:35	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			10/22/25 08:35	1
Chlorobenzene	ND		1.00	0.420	ug/L			10/22/25 08:35	1
Chlorobromomethane	ND		1.00	0.520	ug/L			10/22/25 08:35	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			10/22/25 08:35	1
Chloroethane	ND		1.00	0.760	ug/L			10/22/25 08:35	1
Chloroform	ND		1.00	0.900	ug/L			10/22/25 08:35	1
Chloromethane	ND		1.00	0.400	ug/L			10/22/25 08:35	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			10/22/25 08:35	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			10/22/25 08:35	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			10/22/25 08:35	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			10/22/25 08:35	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			10/22/25 08:35	1
Dibromomethane	ND		5.00	0.220	ug/L			10/22/25 08:35	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			10/22/25 08:35	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			10/22/25 08:35	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			10/22/25 08:35	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			10/22/25 08:35	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			10/22/25 08:35	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			10/22/25 08:35	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			10/22/25 08:35	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			10/22/25 08:35	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			10/22/25 08:35	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			10/22/25 08:35	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			10/22/25 08:35	1
Ethyl acetate	ND		10.0	6.14	ug/L			10/22/25 08:35	1
Ethylbenzene	ND		1.00	0.500	ug/L			10/22/25 08:35	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			10/22/25 08:35	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			10/22/25 08:35	1
Hexane	ND		1.00	0.960	ug/L			10/22/25 08:35	1
2-Hexanone	ND		25.0	4.26	ug/L			10/22/25 08:35	1
Iodomethane	ND		1.00	0.900	ug/L			10/22/25 08:35	1
Isopropylbenzene	ND		1.00	0.530	ug/L			10/22/25 08:35	1
Isopropyl ether	ND		1.00	0.740	ug/L			10/22/25 08:35	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			10/22/25 08:35	1
Methylene Chloride	ND		5.00	3.00	ug/L			10/22/25 08:35	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			10/22/25 08:35	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			10/22/25 08:35	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			10/22/25 08:35	1
Naphthalene	ND		5.00	3.00	ug/L			10/22/25 08:35	1
n-Butylbenzene	ND		1.00	0.760	ug/L			10/22/25 08:35	1
n-Heptane	ND		1.00	0.210	ug/L			10/22/25 08:35	1

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

Lab Sample ID: MB 400-727624/4
Matrix: Water
Analysis Batch: 727624

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			10/22/25 08:35	1
o-Xylene	ND		5.00	3.00	ug/L			10/22/25 08:35	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			10/22/25 08:35	1
Styrene	ND		1.00	1.00	ug/L			10/22/25 08:35	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			10/22/25 08:35	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			10/22/25 08:35	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			10/22/25 08:35	1
Tetrachloroethene	ND		1.00	0.330	ug/L			10/22/25 08:35	1
Toluene	ND		1.00	0.900	ug/L			10/22/25 08:35	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			10/22/25 08:35	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			10/22/25 08:35	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			10/22/25 08:35	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			10/22/25 08:35	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			10/22/25 08:35	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			10/22/25 08:35	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			10/22/25 08:35	1
Trichloroethene	ND		1.00	0.150	ug/L			10/22/25 08:35	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			10/22/25 08:35	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			10/22/25 08:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			10/22/25 08:35	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			10/22/25 08:35	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			10/22/25 08:35	1
Vinyl acetate	ND		25.0	0.930	ug/L			10/22/25 08:35	1
Vinyl chloride	ND		1.00	0.500	ug/L			10/22/25 08:35	1
Xylenes, Total	ND		10.0	6.00	ug/L			10/22/25 08:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*56 - 136*		*10/22/25 08:35*	*1*
Dibromofluoromethane	*101*		*79 - 130*		*10/22/25 08:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*59 - 146*		*10/22/25 08:35*	*1*
Toluene-d8 (Surr)	*113*		*64 - 132*		*10/22/25 08:35*	*1*

Lab Sample ID: LCS 400-727624/1002
Matrix: Water
Analysis Batch: 727624

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	339.4	*+	ug/L		170	43 - 150
Benzene	50.0	49.71		ug/L		99	70 - 130
Bromobenzene	50.0	52.93		ug/L		106	70 - 132
Bromoform	50.0	46.78		ug/L		94	57 - 140
Bromomethane	50.0	37.08		ug/L		74	10 - 150
2-Butanone (MEK)	200	234.5		ug/L		117	61 - 145
Carbon disulfide	50.0	35.98		ug/L		72	61 - 137
Carbon tetrachloride	50.0	50.25		ug/L		100	61 - 137
Chlorobenzene	50.0	54.40		ug/L		109	70 - 130
Chlorobromomethane	50.0	41.73		ug/L		83	70 - 130
Chlorodibromomethane	50.0	59.10		ug/L		118	67 - 135

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

Lab Sample ID: LCS 400-727624/1002
Matrix: Water
Analysis Batch: 727624

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	37.49		ug/L		75	55 - 141
Chloroform	50.0	48.55		ug/L		97	69 - 130
Chloromethane	50.0	44.24		ug/L		88	58 - 137
2-Chlorotoluene	50.0	49.37		ug/L		99	70 - 130
4-Chlorotoluene	50.0	52.25		ug/L		105	70 - 130
cis-1,2-Dichloroethene	50.0	52.72		ug/L		105	68 - 130
cis-1,3-Dichloropropene	50.0	46.74		ug/L		93	69 - 132
1,2-Dibromo-3-Chloropropane	50.0	58.23		ug/L		116	54 - 135
Dibromomethane	50.0	49.62		ug/L		99	70 - 130
1,2-Dichlorobenzene	50.0	63.88		ug/L		128	67 - 130
1,3-Dichlorobenzene	50.0	58.22		ug/L		116	70 - 130
1,4-Dichlorobenzene	50.0	58.91		ug/L		118	70 - 130
Dichlorobromomethane	50.0	48.58		ug/L		97	67 - 133
1,1-Dichloroethane	50.0	46.44		ug/L		93	70 - 130
1,2-Dichloroethane	50.0	52.33		ug/L		105	69 - 130
1,1-Dichloroethene	50.0	45.55		ug/L		91	63 - 134
1,2-Dichloropropane	50.0	50.79		ug/L		102	70 - 130
1,3-Dichloropropane	50.0	62.00		ug/L		124	70 - 130
2,2-Dichloropropane	50.0	42.44		ug/L		85	52 - 135
1,1-Dichloropropene	50.0	48.88		ug/L		98	70 - 130
Ethyl acetate	100	107.5		ug/L		108	34 - 150
Ethylbenzene	50.0	52.90		ug/L		106	70 - 130
Ethylene Dibromide	50.0	59.13		ug/L		118	70 - 130
Hexachlorobutadiene	50.0	74.54	*+	ug/L		149	53 - 140
Hexane	50.0	49.66		ug/L		99	69 - 130
2-Hexanone	200	282.3	*+	ug/L		141	65 - 137
Iodomethane	50.0	29.33		ug/L		59	27 - 150
Isopropylbenzene	50.0	51.89		ug/L		104	70 - 130
Isopropyl ether	50.0	48.19		ug/L		96	64 - 132
4-Isopropyltoluene	50.0	54.18		ug/L		108	65 - 130
Methylene Chloride	50.0	50.46		ug/L		101	66 - 135
4-Methyl-2-pentanone (MIBK)	200	192.4		ug/L		96	69 - 138
Methyl tert-butyl ether	50.0	59.43		ug/L		119	66 - 130
m-Xylene & p-Xylene	50.0	52.21		ug/L		104	70 - 130
Naphthalene	50.0	69.40		ug/L		139	47 - 149
n-Butylbenzene	50.0	56.42		ug/L		113	67 - 130
n-Heptane	50.0	40.76		ug/L		82	70 - 130
N-Propylbenzene	50.0	53.06		ug/L		106	70 - 130
o-Xylene	50.0	52.00		ug/L		104	70 - 130
sec-Butylbenzene	50.0	52.63		ug/L		105	66 - 130
Styrene	50.0	51.25		ug/L		103	70 - 130
tert-Butylbenzene	50.0	52.16		ug/L		104	64 - 139
1,1,1,2-Tetrachloroethane	50.0	57.12		ug/L		114	67 - 131
1,1,2,2-Tetrachloroethane	50.0	51.21		ug/L		102	70 - 131
Tetrachloroethene	50.0	55.79		ug/L		112	65 - 130
Toluene	50.0	57.37		ug/L		115	70 - 130
trans-1,4-Dichloro-2-butene	50.0	48.82		ug/L		98	57 - 140
trans-1,2-Dichloroethene	50.0	47.63		ug/L		95	70 - 130
trans-1,3-Dichloropropene	50.0	59.25		ug/L		119	63 - 130

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

Lab Sample ID: LCS 400-727624/1002
Matrix: Water
Analysis Batch: 727624

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	86.89	*+	ug/L		174	60 - 138
1,2,4-Trichlorobenzene	50.0	75.17	*+	ug/L		150	60 - 140
1,1,1-Trichloroethane	50.0	50.07		ug/L		100	68 - 130
1,1,2-Trichloroethane	50.0	63.40		ug/L		127	70 - 130
Trichloroethene	50.0	52.79		ug/L		106	70 - 130
Trichlorofluoromethane	50.0	42.41		ug/L		85	65 - 138
1,2,3-Trichloropropane	50.0	54.56		ug/L		109	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	80.18	*+	ug/L		160	60 - 139
1,2,4-Trimethylbenzene	50.0	53.37		ug/L		107	70 - 130
1,3,5-Trimethylbenzene	50.0	52.71		ug/L		105	69 - 130
Vinyl acetate	100	87.56		ug/L		88	26 - 150
Vinyl chloride	50.0	34.84		ug/L		70	59 - 136
Xylenes, Total	100	104.2		ug/L		104	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*88*		*56 - 136*
Dibromofluoromethane	*99*		*79 - 130*
1,2-Dichloroethane-d4 (Surr)	*99*		*59 - 146*
Toluene-d8 (Surr)	*112*		*64 - 132*

Lab Sample ID: MB 400-727815/4
Matrix: Water
Analysis Batch: 727815

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			10/23/25 11:58	1
Benzene	ND		1.00	0.500	ug/L			10/23/25 11:58	1
Bromobenzene	ND		1.00	0.540	ug/L			10/23/25 11:58	1
Bromoform	ND		5.00	0.250	ug/L			10/23/25 11:58	1
Bromomethane	ND		1.00	0.980	ug/L			10/23/25 11:58	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			10/23/25 11:58	1
Carbon disulfide	ND		1.00	0.500	ug/L			10/23/25 11:58	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			10/23/25 11:58	1
Chlorobenzene	ND		1.00	0.420	ug/L			10/23/25 11:58	1
Chlorobromomethane	ND		1.00	0.520	ug/L			10/23/25 11:58	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			10/23/25 11:58	1
Chloroethane	ND		1.00	0.760	ug/L			10/23/25 11:58	1
Chloroform	ND		1.00	0.900	ug/L			10/23/25 11:58	1
Chloromethane	ND		1.00	0.400	ug/L			10/23/25 11:58	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			10/23/25 11:58	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			10/23/25 11:58	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			10/23/25 11:58	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			10/23/25 11:58	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			10/23/25 11:58	1
Dibromomethane	ND		5.00	0.220	ug/L			10/23/25 11:58	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			10/23/25 11:58	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			10/23/25 11:58	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			10/23/25 11:58	1

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

Lab Sample ID: MB 400-727815/4
Matrix: Water
Analysis Batch: 727815

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		1.00	0.500	ug/L			10/23/25 11:58	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			10/23/25 11:58	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			10/23/25 11:58	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			10/23/25 11:58	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 11:58	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 11:58	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 11:58	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			10/23/25 11:58	1
Ethyl acetate	ND		10.0	6.14	ug/L			10/23/25 11:58	1
Ethylbenzene	ND		1.00	0.500	ug/L			10/23/25 11:58	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			10/23/25 11:58	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			10/23/25 11:58	1
Hexane	ND		1.00	0.960	ug/L			10/23/25 11:58	1
2-Hexanone	ND		25.0	4.26	ug/L			10/23/25 11:58	1
Iodomethane	ND		1.00	0.900	ug/L			10/23/25 11:58	1
Isopropylbenzene	ND		1.00	0.530	ug/L			10/23/25 11:58	1
Isopropyl ether	ND		1.00	0.740	ug/L			10/23/25 11:58	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			10/23/25 11:58	1
Methylene Chloride	ND		5.00	3.00	ug/L			10/23/25 11:58	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			10/23/25 11:58	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			10/23/25 11:58	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			10/23/25 11:58	1
Naphthalene	ND		5.00	3.00	ug/L			10/23/25 11:58	1
n-Butylbenzene	ND		1.00	0.760	ug/L			10/23/25 11:58	1
n-Heptane	ND		1.00	0.210	ug/L			10/23/25 11:58	1
N-Propylbenzene	ND		1.00	0.690	ug/L			10/23/25 11:58	1
o-Xylene	ND		5.00	3.00	ug/L			10/23/25 11:58	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			10/23/25 11:58	1
Styrene	ND		1.00	1.00	ug/L			10/23/25 11:58	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			10/23/25 11:58	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			10/23/25 11:58	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			10/23/25 11:58	1
Tetrachloroethene	ND		1.00	0.330	ug/L			10/23/25 11:58	1
Toluene	ND		1.00	0.900	ug/L			10/23/25 11:58	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			10/23/25 11:58	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			10/23/25 11:58	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			10/23/25 11:58	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			10/23/25 11:58	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			10/23/25 11:58	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			10/23/25 11:58	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			10/23/25 11:58	1
Trichloroethene	ND		1.00	0.150	ug/L			10/23/25 11:58	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			10/23/25 11:58	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			10/23/25 11:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			10/23/25 11:58	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			10/23/25 11:58	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			10/23/25 11:58	1
Vinyl acetate	ND		25.0	0.930	ug/L			10/23/25 11:58	1
Vinyl chloride	ND		1.00	0.500	ug/L			10/23/25 11:58	1

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

Lab Sample ID: MB 400-727815/4
Matrix: Water
Analysis Batch: 727815

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			10/23/25 11:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*56 - 136*		*10/23/25 11:58*	*1*
Dibromofluoromethane	*102*		*79 - 130*		*10/23/25 11:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*59 - 146*		*10/23/25 11:58*	*1*
Toluene-d8 (Surr)	*113*		*64 - 132*		*10/23/25 11:58*	*1*

Lab Sample ID: LCS 400-727815/1002
Matrix: Water
Analysis Batch: 727815

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	261.0		ug/L		130	43 - 150
Benzene	50.0	48.52		ug/L		97	70 - 130
Bromobenzene	50.0	48.43		ug/L		97	70 - 132
Bromoform	50.0	41.00		ug/L		82	57 - 140
Bromomethane	50.0	52.37		ug/L		105	10 - 150
2-Butanone (MEK)	200	174.9		ug/L		87	61 - 145
Carbon disulfide	50.0	40.27		ug/L		81	61 - 137
Carbon tetrachloride	50.0	52.17		ug/L		104	61 - 137
Chlorobenzene	50.0	50.63		ug/L		101	70 - 130
Chlorobromomethane	50.0	36.04		ug/L		72	70 - 130
Chlorodibromomethane	50.0	55.22		ug/L		110	67 - 135
Chloroethane	50.0	54.97		ug/L		110	55 - 141
Chloroform	50.0	43.29		ug/L		87	69 - 130
Chloromethane	50.0	54.37		ug/L		109	58 - 137
2-Chlorotoluene	50.0	46.31		ug/L		93	70 - 130
4-Chlorotoluene	50.0	48.42		ug/L		97	70 - 130
cis-1,2-Dichloroethene	50.0	52.28		ug/L		105	68 - 130
cis-1,3-Dichloropropene	50.0	45.10		ug/L		90	69 - 132
1,2-Dibromo-3-Chloropropane	50.0	43.17		ug/L		86	54 - 135
Dibromomethane	50.0	46.93		ug/L		94	70 - 130
1,2-Dichlorobenzene	50.0	56.56		ug/L		113	67 - 130
1,3-Dichlorobenzene	50.0	52.68		ug/L		105	70 - 130
1,4-Dichlorobenzene	50.0	52.65		ug/L		105	70 - 130
Dichlorobromomethane	50.0	47.58		ug/L		95	67 - 133
1,1-Dichloroethane	50.0	46.16		ug/L		92	70 - 130
1,2-Dichloroethane	50.0	49.52		ug/L		99	69 - 130
1,1-Dichloroethene	50.0	49.62		ug/L		99	63 - 134
1,2-Dichloropropane	50.0	50.10		ug/L		100	70 - 130
1,3-Dichloropropane	50.0	56.11		ug/L		112	70 - 130
2,2-Dichloropropane	50.0	42.01		ug/L		84	52 - 135
1,1-Dichloropropene	50.0	49.18		ug/L		98	70 - 130
Ethyl acetate	100	84.35		ug/L		84	34 - 150
Ethylbenzene	50.0	49.74		ug/L		99	70 - 130
Ethylene Dibromide	50.0	51.52		ug/L		103	70 - 130
Hexachlorobutadiene	50.0	65.92		ug/L		132	53 - 140

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

Lab Sample ID: LCS 400-727815/1002
Matrix: Water
Analysis Batch: 727815

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Hexane	50.0	49.42		ug/L		99	69 - 130
2-Hexanone	200	211.5		ug/L		106	65 - 137
Iodomethane	50.0	28.73		ug/L		57	27 - 150
Isopropylbenzene	50.0	46.38		ug/L		93	70 - 130
Isopropyl ether	50.0	55.01		ug/L		110	64 - 132
4-Isopropyltoluene	50.0	49.06		ug/L		98	65 - 130
Methylene Chloride	50.0	38.46		ug/L		77	66 - 135
4-Methyl-2-pentanone (MIBK)	200	165.3		ug/L		83	69 - 138
Methyl tert-butyl ether	50.0	57.34		ug/L		115	66 - 130
m-Xylene & p-Xylene	50.0	48.19		ug/L		96	70 - 130
Naphthalene	50.0	56.64		ug/L		113	47 - 149
n-Butylbenzene	50.0	51.79		ug/L		104	67 - 130
n-Heptane	50.0	41.53		ug/L		83	70 - 130
N-Propylbenzene	50.0	47.57		ug/L		95	70 - 130
o-Xylene	50.0	48.11		ug/L		96	70 - 130
sec-Butylbenzene	50.0	48.03		ug/L		96	66 - 130
Styrene	50.0	46.88		ug/L		94	70 - 130
tert-Butylbenzene	50.0	47.61		ug/L		95	64 - 139
1,1,1,2-Tetrachloroethane	50.0	52.51		ug/L		105	67 - 131
1,1,2,2-Tetrachloroethane	50.0	42.68		ug/L		85	70 - 131
Tetrachloroethene	50.0	53.83		ug/L		108	65 - 130
Toluene	50.0	56.18		ug/L		112	70 - 130
trans-1,4-Dichloro-2-butene	50.0	40.67		ug/L		81	57 - 140
trans-1,2-Dichloroethene	50.0	48.66		ug/L		97	70 - 130
trans-1,3-Dichloropropene	50.0	53.93		ug/L		108	63 - 130
1,2,3-Trichlorobenzene	50.0	77.48	*+	ug/L		155	60 - 138
1,2,4-Trichlorobenzene	50.0	66.63		ug/L		133	60 - 140
1,1,1-Trichloroethane	50.0	51.04		ug/L		102	68 - 130
1,1,2-Trichloroethane	50.0	57.07		ug/L		114	70 - 130
Trichloroethene	50.0	51.94		ug/L		104	70 - 130
Trichlorofluoromethane	50.0	42.44		ug/L		85	65 - 138
1,2,3-Trichloropropane	50.0	44.90		ug/L		90	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	74.79	*+	ug/L		150	60 - 139
1,2,4-Trimethylbenzene	50.0	50.88		ug/L		102	70 - 130
1,3,5-Trimethylbenzene	50.0	48.32		ug/L		97	69 - 130
Vinyl acetate	100	101.8		ug/L		102	26 - 150
Vinyl chloride	50.0	43.11		ug/L		86	59 - 136
Xylenes, Total	100	96.30		ug/L		96	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*89*		*56 - 136*
Dibromofluoromethane	*100*		*79 - 130*
1,2-Dichloroethane-d4 (Surr)	*100*		*59 - 146*
Toluene-d8 (Surr)	*109*		*64 - 132*

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

Lab Sample ID: 752-38050-7 MS
Matrix: Water
Analysis Batch: 727815

Client Sample ID: 101325-Dup1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND		200	114.8		ug/L		57	43 - 150
Benzene	ND		50.0	48.05		ug/L		96	56 - 142
Bromobenzene	ND		50.0	44.77		ug/L		90	59 - 136
Bromoform	ND		50.0	40.72		ug/L		81	50 - 140
Bromomethane	ND		50.0	38.32		ug/L		77	10 - 150
2-Butanone (MEK)	ND		200	132.6		ug/L		66	55 - 150
Carbon disulfide	ND		50.0	38.05		ug/L		76	48 - 150
Carbon tetrachloride	ND		50.0	50.90		ug/L		102	55 - 145
Chlorobenzene	ND		50.0	48.54		ug/L		97	64 - 130
Chlorobromomethane	ND		50.0	45.99		ug/L		92	64 - 140
Chlorodibromomethane	ND		50.0	54.71		ug/L		109	56 - 143
Chloroethane	ND		50.0	46.26		ug/L		93	50 - 150
Chloroform	ND		50.0	47.16		ug/L		94	60 - 141
Chloromethane	ND		50.0	39.61		ug/L		79	49 - 148
2-Chlorotoluene	ND		50.0	43.58		ug/L		87	53 - 134
4-Chlorotoluene	ND		50.0	44.25		ug/L		88	54 - 133
cis-1,2-Dichloroethene	ND		50.0	52.20		ug/L		104	59 - 143
cis-1,3-Dichloropropene	ND		50.0	43.42		ug/L		87	57 - 140
1,2-Dibromo-3-Chloropropane	ND		50.0	46.84		ug/L		94	45 - 135
Dibromomethane	ND		50.0	46.76		ug/L		94	63 - 138
1,2-Dichlorobenzene	ND		50.0	52.12		ug/L		104	52 - 137
1,3-Dichlorobenzene	ND		50.0	48.08		ug/L		96	54 - 135
1,4-Dichlorobenzene	ND		50.0	48.60		ug/L		97	53 - 135
Dichlorobromomethane	ND		50.0	46.77		ug/L		94	59 - 143
1,1-Dichloroethane	ND		50.0	45.20		ug/L		90	61 - 144
1,2-Dichloroethane	ND		50.0	49.62		ug/L		99	60 - 141
1,1-Dichloroethene	ND		50.0	47.18		ug/L		94	54 - 147
1,2-Dichloropropane	ND		50.0	48.53		ug/L		97	66 - 137
1,3-Dichloropropane	ND		50.0	56.44		ug/L		113	66 - 133
2,2-Dichloropropane	ND		50.0	42.30		ug/L		85	42 - 144
1,1-Dichloropropene	ND		50.0	47.54		ug/L		95	65 - 136
Ethyl acetate	ND		100	97.27		ug/L		97	34 - 150
Ethylbenzene	ND		50.0	47.74		ug/L		95	58 - 131
Ethylene Dibromide	ND		50.0	52.30		ug/L		105	64 - 132
Hexachlorobutadiene	ND		50.0	58.10		ug/L		116	31 - 149
Hexane	ND		50.0	48.54		ug/L		97	60 - 142
2-Hexanone	ND		200	169.3		ug/L		85	65 - 140
Iodomethane	ND		50.0	27.02		ug/L		54	20 - 150
Isopropylbenzene	ND		50.0	44.10		ug/L		88	56 - 133
Isopropyl ether	ND		50.0	52.00		ug/L		104	60 - 144
4-Isopropyltoluene	ND		50.0	44.46		ug/L		89	48 - 139
Methylene Chloride	ND		50.0	36.29		ug/L		73	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	166.9		ug/L		83	63 - 146
Methyl tert-butyl ether	ND		50.0	56.51		ug/L		113	59 - 137
m-Xylene & p-Xylene	ND		50.0	45.47		ug/L		91	57 - 130
Naphthalene	ND		50.0	56.83		ug/L		114	25 - 150
n-Butylbenzene	ND		50.0	45.73		ug/L		91	41 - 142
n-Heptane	ND		50.0	43.58		ug/L		87	64 - 142

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

Lab Sample ID: 752-38050-7 MS
Matrix: Water
Analysis Batch: 727815

Client Sample ID: 101325-Dup1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
N-Propylbenzene	ND		50.0	44.45		ug/L		89	51 - 138
o-Xylene	ND		50.0	45.67		ug/L		91	61 - 130
sec-Butylbenzene	ND		50.0	43.03		ug/L		86	50 - 138
Styrene	ND		50.0	44.08		ug/L		88	58 - 131
tert-Butylbenzene	ND		50.0	53.59		ug/L		107	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	51.68		ug/L		103	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	43.78		ug/L		88	66 - 135
Tetrachloroethene	ND		50.0	51.38		ug/L		103	52 - 133
Toluene	ND		50.0	53.86		ug/L		108	65 - 130
trans-1,4-Dichloro-2-butene	ND		50.0	42.43		ug/L		85	43 - 147
trans-1,2-Dichloroethene	ND		50.0	46.31		ug/L		93	61 - 143
trans-1,3-Dichloropropene	ND		50.0	53.59		ug/L		107	53 - 133
1,2,3-Trichlorobenzene	ND	*+	50.0	70.91		ug/L		142	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	60.09		ug/L		120	39 - 148
1,1,1-Trichloroethane	ND		50.0	50.54		ug/L		101	57 - 142
1,1,2-Trichloroethane	ND		50.0	57.94		ug/L		116	66 - 131
Trichloroethene	ND		50.0	50.51		ug/L		101	64 - 136
Trichlorofluoromethane	ND		50.0	40.90		ug/L		82	54 - 150
1,2,3-Trichloropropane	ND		50.0	47.42		ug/L		95	65 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*+ F1	50.0	76.73	F1	ug/L		153	55 - 150
1,2,4-Trimethylbenzene	ND		50.0	45.03		ug/L		90	50 - 139
1,3,5-Trimethylbenzene	ND		50.0	44.91		ug/L		90	52 - 135
Vinyl acetate	ND		100	89.81		ug/L		90	26 - 150
Vinyl chloride	ND		50.0	32.61		ug/L		65	46 - 150
Xylenes, Total	ND		100	91.15		ug/L		91	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*87*		*56 - 136*
Dibromofluoromethane	*100*		*79 - 130*
1,2-Dichloroethane-d4 (Surr)	*99*		*59 - 146*
Toluene-d8 (Surr)	*113*		*64 - 132*

Lab Sample ID: 752-38050-7 MSD
Matrix: Water
Analysis Batch: 727815

Client Sample ID: 101325-Dup1
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	115.6		ug/L		58	43 - 150	1	30
Benzene	ND		50.0	46.95		ug/L		94	56 - 142	2	30
Bromobenzene	ND		50.0	42.91		ug/L		86	59 - 136	4	30
Bromoform	ND		50.0	41.11		ug/L		82	50 - 140	1	30
Bromomethane	ND		50.0	33.81		ug/L		68	10 - 150	13	50
2-Butanone (MEK)	ND		200	136.9		ug/L		68	55 - 150	3	30
Carbon disulfide	ND		50.0	36.88		ug/L		74	48 - 150	3	30
Carbon tetrachloride	ND		50.0	50.30		ug/L		101	55 - 145	1	30
Chlorobenzene	ND		50.0	45.82		ug/L		92	64 - 130	6	30
Chlorobromomethane	ND		50.0	44.60		ug/L		89	64 - 140	3	30
Chlorodibromomethane	ND		50.0	53.44		ug/L		107	56 - 143	2	30

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

Lab Sample ID: 752-38050-7 MSD
Matrix: Water
Analysis Batch: 727815

Client Sample ID: 101325-Dup1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloroethane	ND		50.0	41.93		ug/L		84	50 - 150	10	30
Chloroform	ND		50.0	46.39		ug/L		93	60 - 141	2	30
Chloromethane	ND		50.0	35.68		ug/L		71	49 - 148	10	31
2-Chlorotoluene	ND		50.0	38.70		ug/L		77	53 - 134	12	30
4-Chlorotoluene	ND		50.0	38.53		ug/L		77	54 - 133	14	30
cis-1,2-Dichloroethene	ND		50.0	51.64		ug/L		103	59 - 143	1	30
cis-1,3-Dichloropropene	ND		50.0	41.77		ug/L		84	57 - 140	4	30
1,2-Dibromo-3-Chloropropane	ND		50.0	45.69		ug/L		91	45 - 135	2	30
Dibromomethane	ND		50.0	45.04		ug/L		90	63 - 138	4	30
1,2-Dichlorobenzene	ND		50.0	46.90		ug/L		94	52 - 137	11	30
1,3-Dichlorobenzene	ND		50.0	41.44		ug/L		83	54 - 135	15	30
1,4-Dichlorobenzene	ND		50.0	42.46		ug/L		85	53 - 135	13	30
Dichlorobromomethane	ND		50.0	45.06		ug/L		90	59 - 143	4	30
1,1-Dichloroethane	ND		50.0	44.23		ug/L		88	61 - 144	2	30
1,2-Dichloroethane	ND		50.0	47.80		ug/L		96	60 - 141	4	30
1,1-Dichloroethene	ND		50.0	48.23		ug/L		96	54 - 147	2	30
1,2-Dichloropropane	ND		50.0	48.43		ug/L		97	66 - 137	0	30
1,3-Dichloropropane	ND		50.0	56.82		ug/L		114	66 - 133	1	30
2,2-Dichloropropane	ND		50.0	44.05		ug/L		88	42 - 144	4	31
1,1-Dichloropropene	ND		50.0	46.72		ug/L		93	65 - 136	2	30
Ethyl acetate	ND		100	100.7		ug/L		101	34 - 150	3	30
Ethylbenzene	ND		50.0	44.23		ug/L		88	58 - 131	8	30
Ethylene Dibromide	ND		50.0	52.81		ug/L		106	64 - 132	1	30
Hexachlorobutadiene	ND		50.0	43.84		ug/L		88	31 - 149	28	36
Hexane	ND		50.0	48.06		ug/L		96	60 - 142	1	30
2-Hexanone	ND		200	169.6		ug/L		85	65 - 140	0	30
Iodomethane	ND		50.0	30.79		ug/L		62	20 - 150	13	44
Isopropylbenzene	ND		50.0	38.70		ug/L		77	56 - 133	13	30
Isopropyl ether	ND		50.0	51.31		ug/L		103	60 - 144	1	30
4-Isopropyltoluene	ND		50.0	36.95		ug/L		74	48 - 139	18	30
Methylene Chloride	ND		50.0	37.62		ug/L		75	60 - 146	4	32
4-Methyl-2-pentanone (MIBK)	ND		200	163.1		ug/L		82	63 - 146	2	30
Methyl tert-butyl ether	ND		50.0	57.25		ug/L		114	59 - 137	1	30
m-Xylene & p-Xylene	ND		50.0	41.54		ug/L		83	57 - 130	9	30
Naphthalene	ND		50.0	53.13		ug/L		106	25 - 150	7	30
n-Butylbenzene	ND		50.0	36.53		ug/L		73	41 - 142	22	31
n-Heptane	ND		50.0	38.35		ug/L		77	64 - 142	13	30
N-Propylbenzene	ND		50.0	39.78		ug/L		80	51 - 138	11	30
o-Xylene	ND		50.0	41.76		ug/L		84	61 - 130	9	30
sec-Butylbenzene	ND		50.0	36.78		ug/L		74	50 - 138	16	30
Styrene	ND		50.0	40.71		ug/L		81	58 - 131	8	30
tert-Butylbenzene	ND		50.0	46.81		ug/L		94	54 - 146	14	30
1,1,1,2-Tetrachloroethane	ND		50.0	50.21		ug/L		100	59 - 137	3	30
1,1,2,2-Tetrachloroethane	ND		50.0	44.71		ug/L		89	66 - 135	2	30
Tetrachloroethene	ND		50.0	48.96		ug/L		98	52 - 133	5	30
Toluene	ND		50.0	53.76		ug/L		108	65 - 130	0	30
trans-1,4-Dichloro-2-butene	ND		50.0	40.97		ug/L		82	43 - 147	4	36
trans-1,2-Dichloroethene	ND		50.0	46.15		ug/L		92	61 - 143	0	30
trans-1,3-Dichloropropene	ND		50.0	52.93		ug/L		106	53 - 133	1	30

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

Lab Sample ID: 752-38050-7 MSD
Matrix: Water
Analysis Batch: 727815

Client Sample ID: 101325-Dup1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,3-Trichlorobenzene	ND	*+	50.0	59.29		ug/L		119	43 - 145	18	30
1,2,4-Trichlorobenzene	ND		50.0	49.57		ug/L		99	39 - 148	19	30
1,1,1-Trichloroethane	ND		50.0	49.69		ug/L		99	57 - 142	2	30
1,1,2-Trichloroethane	ND		50.0	57.54		ug/L		115	66 - 131	1	30
Trichloroethene	ND		50.0	48.08		ug/L		96	64 - 136	5	30
Trichlorofluoromethane	ND		50.0	35.60		ug/L		71	54 - 150	14	30
1,2,3-Trichloropropane	ND		50.0	47.95		ug/L		96	65 - 133	1	30
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*+ F1	50.0	78.20	F1	ug/L		156	55 - 150	2	30
1,2,4-Trimethylbenzene	ND		50.0	38.93		ug/L		78	50 - 139	15	30
1,3,5-Trimethylbenzene	ND		50.0	39.96		ug/L		80	52 - 135	12	30
Vinyl acetate	ND		100	83.08		ug/L		83	26 - 150	8	33
Vinyl chloride	ND		50.0	29.46		ug/L		59	46 - 150	10	30
Xylenes, Total	ND		100	83.30		ug/L		83	59 - 130	9	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*90*		*56 - 136*
Dibromofluoromethane	*97*		*79 - 130*
1,2-Dichloroethane-d4 (Surr)	*98*		*59 - 146*
Toluene-d8 (Surr)	*112*		*64 - 132*

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

Lab Sample ID: MB 400-727030/1-A
Matrix: Water
Analysis Batch: 727667

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727030

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		10.0	0.420	ug/L		10/16/25 10:31	10/22/25 13:03	1
2,4,5-Trichlorophenol	ND		10.0	0.540	ug/L		10/16/25 10:31	10/22/25 13:03	1
2,4,6-Trichlorophenol	ND		10.0	1.09	ug/L		10/16/25 10:31	10/22/25 13:03	1
2,4-Dichlorophenol	ND		10.0	0.570	ug/L		10/16/25 10:31	10/22/25 13:03	1
2,4-Dimethylphenol	ND		10.0	0.240	ug/L		10/16/25 10:31	10/22/25 13:03	1
2,4-Dinitrophenol	ND		30.0	4.68	ug/L		10/16/25 10:31	10/22/25 13:03	1
2,4-Dinitrotoluene	ND		10.0	0.650	ug/L		10/16/25 10:31	10/22/25 13:03	1
2,6-Dinitrotoluene	ND		10.0	0.290	ug/L		10/16/25 10:31	10/22/25 13:03	1
2-Chloronaphthalene	ND		10.0	0.380	ug/L		10/16/25 10:31	10/22/25 13:03	1
2-Chlorophenol	ND		10.0	0.840	ug/L		10/16/25 10:31	10/22/25 13:03	1
2-Methylnaphthalene	ND		10.0	0.810	ug/L		10/16/25 10:31	10/22/25 13:03	1
2-Methylphenol	ND		10.0	0.760	ug/L		10/16/25 10:31	10/22/25 13:03	1
2-Nitroaniline	ND		10.0	1.37	ug/L		10/16/25 10:31	10/22/25 13:03	1
2-Nitrophenol	ND		10.0	1.17	ug/L		10/16/25 10:31	10/22/25 13:03	1
3 & 4 Methylphenol	ND		20.0	4.60	ug/L		10/16/25 10:31	10/22/25 13:03	1
3,3'-Dichlorobenzidine	ND		11.0	0.410	ug/L		10/16/25 10:31	10/22/25 13:03	1
3-Nitroaniline	ND		10.0	0.950	ug/L		10/16/25 10:31	10/22/25 13:03	1
4,6-Dinitro-2-methylphenol	ND		10.0	1.97	ug/L		10/16/25 10:31	10/22/25 13:03	1
4-Bromophenyl phenyl ether	ND		10.0	0.130	ug/L		10/16/25 10:31	10/22/25 13:03	1
4-Chloro-3-methylphenol	ND		10.0	0.730	ug/L		10/16/25 10:31	10/22/25 13:03	1
4-Chloroaniline	ND		10.0	0.580	ug/L		10/16/25 10:31	10/22/25 13:03	1

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

Lab Sample ID: MB 400-727030/1-A
Matrix: Water
Analysis Batch: 727667

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727030

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		10.0	0.240	ug/L		10/16/25 10:31	10/22/25 13:03	1
4-Nitroaniline	ND		10.0	3.50	ug/L		10/16/25 10:31	10/22/25 13:03	1
4-Nitrophenol	ND		10.0	2.74	ug/L		10/16/25 10:31	10/22/25 13:03	1
Acenaphthene	ND		10.0	0.630	ug/L		10/16/25 10:31	10/22/25 13:03	1
Acenaphthylene	ND		10.0	0.760	ug/L		10/16/25 10:31	10/22/25 13:03	1
Acetophenone	ND		10.0	3.20	ug/L		10/16/25 10:31	10/22/25 13:03	1
Anthracene	ND		10.0	0.910	ug/L		10/16/25 10:31	10/22/25 13:03	1
Atrazine	ND		10.0	1.13	ug/L		10/16/25 10:31	10/22/25 13:03	1
Benzaldehyde	ND		10.0	0.670	ug/L		10/16/25 10:31	10/22/25 13:03	1
Benzo[a]anthracene	ND		10.0	1.00	ug/L		10/16/25 10:31	10/22/25 13:03	1
Benzo[a]pyrene	ND		10.0	1.10	ug/L		10/16/25 10:31	10/22/25 13:03	1
Benzo[b]fluoranthene	ND		10.0	1.20	ug/L		10/16/25 10:31	10/22/25 13:03	1
Benzo[g,h,i]perylene	ND		10.0	1.50	ug/L		10/16/25 10:31	10/22/25 13:03	1
Benzo[k]fluoranthene	ND		10.0	1.50	ug/L		10/16/25 10:31	10/22/25 13:03	1
bis (2-chloroisopropyl) ether	ND		10.0	0.930	ug/L		10/16/25 10:31	10/22/25 13:03	1
Bis(2-chloroethoxy)methane	ND		10.0	0.340	ug/L		10/16/25 10:31	10/22/25 13:03	1
Bis(2-chloroethyl)ether	ND		10.0	0.730	ug/L		10/16/25 10:31	10/22/25 13:03	1
Bis(2-ethylhexyl) phthalate	ND		10.0	4.00	ug/L		10/16/25 10:31	10/22/25 13:03	1
Butyl benzyl phthalate	ND		10.0	4.00	ug/L		10/16/25 10:31	10/22/25 13:03	1
Caprolactam	ND		10.0	2.40	ug/L		10/16/25 10:31	10/22/25 13:03	1
Carbazole	ND		10.0	0.320	ug/L		10/16/25 10:31	10/22/25 13:03	1
Chrysene	ND		10.0	1.20	ug/L		10/16/25 10:31	10/22/25 13:03	1
Dibenz(a,h)anthracene	ND		10.0	1.30	ug/L		10/16/25 10:31	10/22/25 13:03	1
Dibenzofuran	ND		10.0	0.640	ug/L		10/16/25 10:31	10/22/25 13:03	1
Diethyl phthalate	ND		10.0	4.00	ug/L		10/16/25 10:31	10/22/25 13:03	1
Dimethyl phthalate	ND		10.0	4.00	ug/L		10/16/25 10:31	10/22/25 13:03	1
Di-n-butyl phthalate	ND		10.0	8.19	ug/L		10/16/25 10:31	10/22/25 13:03	1
Di-n-octyl phthalate	ND		10.0	4.00	ug/L		10/16/25 10:31	10/22/25 13:03	1
Fluoranthene	ND		10.0	0.630	ug/L		10/16/25 10:31	10/22/25 13:03	1
Fluorene	ND		10.0	0.670	ug/L		10/16/25 10:31	10/22/25 13:03	1
Hexachlorobenzene	ND		10.0	0.250	ug/L		10/16/25 10:31	10/22/25 13:03	1
Hexachlorobutadiene	ND		10.0	0.550	ug/L		10/16/25 10:31	10/22/25 13:03	1
Hexachlorocyclopentadiene	ND		20.0	0.320	ug/L		10/16/25 10:31	10/22/25 13:03	1
Hexachloroethane	ND		10.0	0.530	ug/L		10/16/25 10:31	10/22/25 13:03	1
Indeno[1,2,3-cd]pyrene	ND		10.0	1.10	ug/L		10/16/25 10:31	10/22/25 13:03	1
Isophorone	ND		10.0	0.800	ug/L		10/16/25 10:31	10/22/25 13:03	1
Naphthalene	ND		10.0	0.750	ug/L		10/16/25 10:31	10/22/25 13:03	1
Nitrobenzene	ND		10.0	0.600	ug/L		10/16/25 10:31	10/22/25 13:03	1
N-Nitrosodi-n-propylamine	ND		10.0	0.330	ug/L		10/16/25 10:31	10/22/25 13:03	1
N-Nitrosodiphenylamine	ND		10.0	0.190	ug/L		10/16/25 10:31	10/22/25 13:03	1
Pentachlorophenol	ND		10.0	2.80	ug/L		10/16/25 10:31	10/22/25 13:03	1
Phenanthrene	ND		10.0	0.740	ug/L		10/16/25 10:31	10/22/25 13:03	1
Phenol	ND		10.0	0.680	ug/L		10/16/25 10:31	10/22/25 13:03	1
Pyrene	ND		10.0	0.630	ug/L		10/16/25 10:31	10/22/25 13:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*96*		*10 - 150*	*10/16/25 10:31*	*10/22/25 13:03*	*1*
2-Fluorobiphenyl (Surr)	*73*		*25 - 139*	*10/16/25 10:31*	*10/22/25 13:03*	*1*

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

Lab Sample ID: MB 400-727030/1-A
Matrix: Water
Analysis Batch: 727667

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727030

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	68		10 - 150	10/16/25 10:31	10/22/25 13:03	1
Nitrobenzene-d5 (Surr)	104		22 - 150	10/16/25 10:31	10/22/25 13:03	1
Phenol-d5 (Surr)	61		10 - 150	10/16/25 10:31	10/22/25 13:03	1
Terphenyl-d14 (Surr)	68		28 - 150	10/16/25 10:31	10/22/25 13:03	1

Lab Sample ID: LCS 400-727030/2-A
Matrix: Water
Analysis Batch: 727667

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727030

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	33.3	21.03		ug/L		63	27 - 120
2,4,5-Trichlorophenol	33.3	26.29		ug/L		79	27 - 136
2,4,6-Trichlorophenol	33.3	24.50		ug/L		74	21 - 132
2,4-Dichlorophenol	33.3	28.55		ug/L		86	30 - 125
2,4-Dimethylphenol	33.3	29.53		ug/L		89	10 - 142
2,4-Dinitrophenol	66.7	123.5	*+	ug/L		185	10 - 150
2,4-Dinitrotoluene	33.3	43.56	*+	ug/L		131	30 - 129
2,6-Dinitrotoluene	33.3	42.03		ug/L		126	34 - 132
2-Chloronaphthalene	33.3	20.60		ug/L		62	10 - 150
2-Chlorophenol	33.3	23.34		ug/L		70	28 - 127
2-Methylnaphthalene	33.3	20.66		ug/L		62	24 - 150
2-Methylphenol	33.3	28.87		ug/L		87	11 - 121
2-Nitroaniline	33.3	41.46		ug/L		124	31 - 141
2-Nitrophenol	33.3	53.17	*+	ug/L		160	31 - 142
3 & 4 Methylphenol	33.3	28.72		ug/L		86	10 - 150
3,3'-Dichlorobenzidine	66.7	33.02		ug/L		50	10 - 150
3-Nitroaniline	33.3	38.31		ug/L		115	33 - 136
4,6-Dinitro-2-methylphenol	66.7	128.5	*+	ug/L		193	10 - 150
4-Bromophenyl phenyl ether	33.3	23.24		ug/L		70	24 - 120
4-Chloro-3-methylphenol	33.3	33.42		ug/L		100	10 - 137
4-Chloroaniline	33.3	23.94		ug/L		72	10 - 150
4-Chlorophenyl phenyl ether	33.3	25.93		ug/L		78	31 - 110
4-Nitroaniline	33.3	42.06		ug/L		126	37 - 139
4-Nitrophenol	66.7	122.0	*+	ug/L		183	10 - 150
Acenaphthene	33.3	23.69		ug/L		71	29 - 150
Acenaphthylene	33.3	23.61		ug/L		71	30 - 150
Acetophenone	33.3	24.50		ug/L		74	27 - 119
Anthracene	33.3	26.82		ug/L		80	31 - 150
Atrazine	33.3	26.66		ug/L		80	10 - 150
Benzaldehyde	33.3	21.65		ug/L		65	10 - 150
Benzo[a]anthracene	33.3	23.15		ug/L		69	36 - 150
Benzo[a]pyrene	33.3	24.41		ug/L		73	29 - 150
Benzo[b]fluoranthene	33.3	22.92		ug/L		69	32 - 150
Benzo[g,h,i]perylene	33.3	26.23		ug/L		79	28 - 150
Benzo[k]fluoranthene	33.3	25.55		ug/L		77	30 - 150
bis (2-chloroisopropyl) ether	33.3	21.38		ug/L		64	32 - 115
Bis(2-chloroethoxy)methane	33.3	27.03		ug/L		81	34 - 120
Bis(2-chloroethyl)ether	33.3	21.74		ug/L		65	32 - 114

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

Lab Sample ID: LCS 400-727030/2-A
Matrix: Water
Analysis Batch: 727667

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727030

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bis(2-ethylhexyl) phthalate	33.3	26.10		ug/L		78	24 - 133
Butyl benzyl phthalate	33.3	26.80		ug/L		80	24 - 140
Caprolactam	33.3	32.46		ug/L		97	10 - 150
Carbazole	33.3	27.71		ug/L		83	28 - 123
Chrysene	33.3	23.27		ug/L		70	34 - 150
Dibenz(a,h)anthracene	33.3	24.92		ug/L		75	29 - 150
Dibenzofuran	33.3	24.02		ug/L		72	35 - 110
Diethyl phthalate	33.3	23.00		ug/L		69	31 - 118
Dimethyl phthalate	33.3	17.72		ug/L		53	24 - 125
Di-n-butyl phthalate	33.3	28.82		ug/L		86	30 - 127
Di-n-octyl phthalate	33.3	27.29		ug/L		82	28 - 142
Fluoranthene	33.3	29.05		ug/L		87	30 - 150
Fluorene	33.3	23.74		ug/L		71	30 - 150
Hexachlorobenzene	33.3	26.95		ug/L		81	29 - 113
Hexachlorobutadiene	33.3	13.54		ug/L		41	10 - 117
Hexachlorocyclopentadiene	33.3	12.70	J	ug/L		38	10 - 150
Hexachloroethane	33.3	14.43		ug/L		43	10 - 112
Indeno[1,2,3-cd]pyrene	33.3	22.80		ug/L		68	28 - 150
Isophorone	33.3	23.23		ug/L		70	29 - 125
Naphthalene	33.3	21.83		ug/L		66	27 - 150
Nitrobenzene	33.3	32.75		ug/L		98	29 - 129
N-Nitrosodi-n-propylamine	33.3	18.69		ug/L		56	50 - 134
N-Nitrosodiphenylamine	33.1	25.19		ug/L		76	50 - 132
Pentachlorophenol	66.7	78.25		ug/L		117	14 - 150
Phenanthrene	33.3	26.19		ug/L		79	32 - 150
Phenol	33.3	22.88		ug/L		69	10 - 150
Pyrene	33.3	29.42		ug/L		88	30 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*91*		*10 - 150*
2-Fluorobiphenyl (Surr)	*64*		*25 - 139*
2-Fluorophenol (Surr)	*66*		*10 - 150*
Nitrobenzene-d5 (Surr)	*92*		*22 - 150*
Phenol-d5 (Surr)	*66*		*10 - 150*
Terphenyl-d14 (Surr)	*63*		*28 - 150*

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

Lab Sample ID: MB 400-727262/1-A
Matrix: Water
Analysis Batch: 727433

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727262

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.300	0.300	ug/L		10/17/25 16:48	10/20/25 13:52	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*30*		*10 - 140*	*10/17/25 16:48*	*10/20/25 13:52*	*1*

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

Lab Sample ID: LCS 400-727262/2-A
Matrix: Water
Analysis Batch: 727433

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727262

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane			16.0	18.03		ug/L		113	30 - 150		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Dioxane-d8	*25*		*10 - 140*

Lab Sample ID: LCSD 400-727262/3-A
Matrix: Water
Analysis Batch: 727433

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 727262

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane			16.0	18.60		ug/L		116	30 - 150	3	40

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,4-Dioxane-d8	*22*		*10 - 140*

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 400-727917/25
Matrix: Water
Analysis Batch: 727917

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			10/23/25 21:50	1

Lab Sample ID: LCS 400-727917/26
Matrix: Water
Analysis Batch: 727917

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	10.04		mg/L		100	90 - 110		

Lab Sample ID: LCSD 400-727917/27
Matrix: Water
Analysis Batch: 727917

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	10.55		mg/L		106	90 - 110	5	15

Lab Sample ID: MB 400-727921/54
Matrix: Water
Analysis Batch: 727921

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			10/24/25 01:57	1

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

Lab Sample ID: LCS 400-727921/55
Matrix: Water
Analysis Batch: 727921

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	9.638		mg/L		96	90 - 110

Lab Sample ID: LCSD 400-727921/56
Matrix: Water
Analysis Batch: 727921

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	9.819		mg/L		98	90 - 110	2	15

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 705-89479/1-A
Matrix: Water
Analysis Batch: 89940

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 89479

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	2.45	ug/L		10/20/25 08:46	10/21/25 16:31	1
Arsenic	ND		5.00	1.32	ug/L		10/20/25 08:46	10/21/25 16:31	1
Barium	ND		10.0	0.410	ug/L		10/20/25 08:46	10/21/25 16:31	1
Beryllium	ND		1.00	0.147	ug/L		10/20/25 08:46	10/21/25 16:31	1
Cadmium	ND		0.700	0.237	ug/L		10/20/25 08:46	10/21/25 16:31	1
Chromium	ND		5.00	3.69	ug/L		10/20/25 08:46	10/21/25 16:31	1
Cobalt	ND		5.00	0.411	ug/L		10/20/25 08:46	10/21/25 16:31	1
Copper	0.7120	J	2.00	0.642	ug/L		10/20/25 08:46	10/21/25 16:31	1
Lead	ND		1.00	0.864	ug/L		10/20/25 08:46	10/21/25 16:31	1
Manganese	1.628	J	5.00	1.29	ug/L		10/20/25 08:46	10/21/25 16:31	1
Nickel	ND		5.00	0.422	ug/L		10/20/25 08:46	10/21/25 16:31	1
Selenium	ND		5.00	2.29	ug/L		10/20/25 08:46	10/21/25 16:31	1
Silver	ND		1.00	0.167	ug/L		10/20/25 08:46	10/21/25 16:31	1
Thallium	ND		1.00	0.190	ug/L		10/20/25 08:46	10/21/25 16:31	1
Vanadium	1.265	J	5.00	1.22	ug/L		10/20/25 08:46	10/21/25 16:31	1
Zinc	ND		10.0	8.91	ug/L		10/20/25 08:46	10/21/25 16:31	1

Lab Sample ID: LCS 705-89479/2-A
Matrix: Water
Analysis Batch: 89940

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 89479

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	100	92.86		ug/L		93	80 - 120
Arsenic	100	111.3		ug/L		111	80 - 120
Barium	100	88.74		ug/L		89	80 - 120
Beryllium	100	96.63		ug/L		97	80 - 120
Cadmium	100	91.41		ug/L		91	80 - 120
Chromium	100	106.6		ug/L		107	80 - 120
Cobalt	100	86.64		ug/L		87	80 - 120
Copper	100	82.18		ug/L		82	80 - 120
Lead	100	101.2		ug/L		101	80 - 120
Manganese	100	105.7		ug/L		106	80 - 120
Nickel	100	112.3		ug/L		112	80 - 120

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

Lab Sample ID: LCS 705-89479/2-A
Matrix: Water
Analysis Batch: 89940

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 89479

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	100	86.66		ug/L		87	80 - 120
Silver	10.0	9.953		ug/L		100	80 - 120
Thallium	100	100.5		ug/L		100	80 - 120
Vanadium	100	105.7		ug/L		106	80 - 120
Zinc	100	115.8		ug/L		116	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 705-88777/1-A
Matrix: Water
Analysis Batch: 89047

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 88777

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.166	ug/L		10/16/25 09:01	10/16/25 14:41	1

Lab Sample ID: LCS 705-88777/2-A
Matrix: Water
Analysis Batch: 89047

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 88777

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	4.00	3.914		ug/L		98	80 - 120

Lab Sample ID: MB 705-89476/1-A
Matrix: Water
Analysis Batch: 89769

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 89476

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.166	ug/L		10/20/25 13:01	10/20/25 17:53	1

Lab Sample ID: LCS 705-89476/2-A
Matrix: Water
Analysis Batch: 89769

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 89476

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	4.00	4.011		ug/L		100	80 - 120

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 400-727599/24
Matrix: Water
Analysis Batch: 727599

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			10/21/25 10:45	1

Lab Sample ID: LCS 400-727599/25
Matrix: Water
Analysis Batch: 727599

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	3.078		mg/L		103	90 - 110

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MRL 400-727599/19
Matrix: Water
Analysis Batch: 727599

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	0.06000		mg/L		120	50 - 150		

Lab Sample ID: MB 400-727937/59
Matrix: Water
Analysis Batch: 727937

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			10/23/25 12:49	1

Lab Sample ID: LCS 400-727937/60
Matrix: Water
Analysis Batch: 727937

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	3.002		mg/L		100	90 - 110		

Lab Sample ID: MRL 400-727937/18
Matrix: Water
Analysis Batch: 727937

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	0.05300		mg/L		106	50 - 150		

Method: 353.2 - Nitrogen, Nitrite

Lab Sample ID: MB 752-13837/10
Matrix: Water
Analysis Batch: 13837

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			10/14/25 16:21	1

Lab Sample ID: LCS 752-13837/13
Matrix: Water
Analysis Batch: 13837

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	0.9652		mg/L		97	90 - 110		

Lab Sample ID: LCSD 752-13837/40
Matrix: Water
Analysis Batch: 13837

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	0.9523		mg/L		95	90 - 110	1	10

Method: 353.2 - Nitrogen, Nitrite (Continued)

Lab Sample ID: 752-38050-7 MS
Matrix: Water
Analysis Batch: 13837

Client Sample ID: 101325-Dup1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrite as N	ND		1.00	0.9332		mg/L		93	90 - 110		

Lab Sample ID: 752-38050-7 MSD
Matrix: Water
Analysis Batch: 13837

Client Sample ID: 101325-Dup1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrite as N	ND		1.00	0.9473		mg/L		95	90 - 110	1	10

Method: 353.2-1993 R2.0 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 680-886624/14
Matrix: Water
Analysis Batch: 886624

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	0.0100	mg/L			10/16/25 11:58	1

Lab Sample ID: MB 680-886624/44
Matrix: Water
Analysis Batch: 886624

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	0.0100	mg/L			10/16/25 12:53	1

Lab Sample ID: LCS 680-886624/15
Matrix: Water
Analysis Batch: 886624

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			1.00	0.9600		mg/L		96	90 - 110		

Lab Sample ID: LCS 680-886624/45
Matrix: Water
Analysis Batch: 886624

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			1.00	0.9430		mg/L		94	90 - 110		

Lab Sample ID: 752-38050-6 MS
Matrix: Water
Analysis Batch: 886624

Client Sample ID: MW-8
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate Nitrite as N	0.0250	J F1 F2	1.00	0.9460		mg/L		92	90 - 110		

Method: 353.2-1993 R2.0 - Nitrogen, Nitrate-Nitrite (Continued)

Lab Sample ID: 752-38050-6 MSD
Client Sample ID: MW-8
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 886624

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate Nitrite as N	0.0250	J F1 F2	1.00	0.8290	F1 F2	mg/L		80	90 - 110	13	10

Lab Sample ID: 752-38050-7 MS
Client Sample ID: 101325-Dup1
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 886624

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	0.0220	J	1.00	0.9910		mg/L		97	90 - 110

Lab Sample ID: 752-38050-7 MSD
Client Sample ID: 101325-Dup1
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 886624

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate Nitrite as N	0.0220	J	1.00	1.004		mg/L		98	90 - 110	1	10

QC Association Summary

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38050-1

GC/MS VOA

Analysis Batch: 727624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38050-1	MW-1	Total/NA	Water	8260D	
752-38050-2	MW-2	Total/NA	Water	8260D	
752-38050-3	MW-3	Total/NA	Water	8260D	
752-38050-4	MW-4	Total/NA	Water	8260D	
752-38050-5	MW-6	Total/NA	Water	8260D	
MB 400-727624/4	Method Blank	Total/NA	Water	8260D	
LCS 400-727624/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 727815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38050-6	MW-8	Total/NA	Water	8260D	
752-38050-7	101325-Dup1	Total/NA	Water	8260D	
752-38050-8	Trip Blank 1	Total/NA	Water	8260D	
MB 400-727815/4	Method Blank	Total/NA	Water	8260D	
LCS 400-727815/1002	Lab Control Sample	Total/NA	Water	8260D	
752-38050-7 MS	101325-Dup1	Total/NA	Water	8260D	
752-38050-7 MSD	101325-Dup1	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 727030

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38050-1	MW-1	Total/NA	Water	3511	
752-38050-2	MW-2	Total/NA	Water	3511	
752-38050-3	MW-3	Total/NA	Water	3511	
752-38050-3 - RA	MW-3	Total/NA	Water	3511	
752-38050-4	MW-4	Total/NA	Water	3511	
752-38050-5	MW-6	Total/NA	Water	3511	
752-38050-6	MW-8	Total/NA	Water	3511	
752-38050-7	101325-Dup1	Total/NA	Water	3511	
MB 400-727030/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-727030/2-A	Lab Control Sample	Total/NA	Water	3511	

Prep Batch: 727262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38050-1	MW-1	Total/NA	Water	3510C	
752-38050-2	MW-2	Total/NA	Water	3510C	
752-38050-3	MW-3	Total/NA	Water	3510C	
752-38050-4	MW-4	Total/NA	Water	3510C	
752-38050-5	MW-6	Total/NA	Water	3510C	
752-38050-6	MW-8	Total/NA	Water	3510C	
752-38050-7	101325-Dup1	Total/NA	Water	3510C	
MB 400-727262/1-A	Method Blank	Total/NA	Water	3510C	
LCS 400-727262/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 400-727262/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 727433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38050-1	MW-1	Total/NA	Water	8270E SIM ID	727262
752-38050-2	MW-2	Total/NA	Water	8270E SIM ID	727262
752-38050-3	MW-3	Total/NA	Water	8270E SIM ID	727262

GC/MS Semi VOA (Continued)

Analysis Batch: 727433 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38050-4	MW-4	Total/NA	Water	8270E SIM ID	727262
752-38050-5	MW-6	Total/NA	Water	8270E SIM ID	727262
752-38050-6	MW-8	Total/NA	Water	8270E SIM ID	727262
752-38050-7	101325-Dup1	Total/NA	Water	8270E SIM ID	727262
MB 400-727262/1-A	Method Blank	Total/NA	Water	8270E SIM ID	727262
LCS 400-727262/2-A	Lab Control Sample	Total/NA	Water	8270E SIM ID	727262
LCSD 400-727262/3-A	Lab Control Sample Dup	Total/NA	Water	8270E SIM ID	727262

Analysis Batch: 727667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38050-1	MW-1	Total/NA	Water	8270E	727030
752-38050-2	MW-2	Total/NA	Water	8270E	727030
752-38050-3	MW-3	Total/NA	Water	8270E	727030
752-38050-4	MW-4	Total/NA	Water	8270E	727030
752-38050-5	MW-6	Total/NA	Water	8270E	727030
752-38050-6	MW-8	Total/NA	Water	8270E	727030
752-38050-7	101325-Dup1	Total/NA	Water	8270E	727030
MB 400-727030/1-A	Method Blank	Total/NA	Water	8270E	727030
LCS 400-727030/2-A	Lab Control Sample	Total/NA	Water	8270E	727030

Analysis Batch: 727872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38050-3 - RA	MW-3	Total/NA	Water	8270E	727030

HPLC/IC

Analysis Batch: 727917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38050-2	MW-2	Total/NA	Water	9056A	
752-38050-3	MW-3	Total/NA	Water	9056A	
752-38050-4	MW-4	Total/NA	Water	9056A	
752-38050-5	MW-6	Total/NA	Water	9056A	
752-38050-6	MW-8	Total/NA	Water	9056A	
752-38050-7	101325-Dup1	Total/NA	Water	9056A	
MB 400-727917/25	Method Blank	Total/NA	Water	9056A	
LCS 400-727917/26	Lab Control Sample	Total/NA	Water	9056A	
LCSD 400-727917/27	Lab Control Sample Dup	Total/NA	Water	9056A	

Analysis Batch: 727921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38050-1	MW-1	Total/NA	Water	9056A	
MB 400-727921/54	Method Blank	Total/NA	Water	9056A	
LCS 400-727921/55	Lab Control Sample	Total/NA	Water	9056A	
LCSD 400-727921/56	Lab Control Sample Dup	Total/NA	Water	9056A	

Metals

Prep Batch: 88777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38050-1	MW-1	Total/NA	Water	7470A	
752-38050-2	MW-2	Total/NA	Water	7470A	
752-38050-3	MW-3	Total/NA	Water	7470A	

Metals (Continued)

Prep Batch: 88777 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 705-88777/1-A	Method Blank	Total/NA	Water	7470A	
LCS 705-88777/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 89047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38050-1	MW-1	Total/NA	Water	7470A	88777
752-38050-2	MW-2	Total/NA	Water	7470A	88777
752-38050-3	MW-3	Total/NA	Water	7470A	88777
MB 705-88777/1-A	Method Blank	Total/NA	Water	7470A	88777
LCS 705-88777/2-A	Lab Control Sample	Total/NA	Water	7470A	88777

Prep Batch: 89476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38050-4	MW-4	Total/NA	Water	7470A	
752-38050-5	MW-6	Total/NA	Water	7470A	
752-38050-6	MW-8	Total/NA	Water	7470A	
752-38050-7	101325-Dup1	Total/NA	Water	7470A	
MB 705-89476/1-A	Method Blank	Total/NA	Water	7470A	
LCS 705-89476/2-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 89479

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38050-1	MW-1	Total Recoverable	Water	3005A	
752-38050-2	MW-2	Total Recoverable	Water	3005A	
752-38050-3	MW-3	Total Recoverable	Water	3005A	
752-38050-4	MW-4	Total Recoverable	Water	3005A	
752-38050-5	MW-6	Total Recoverable	Water	3005A	
752-38050-6	MW-8	Total Recoverable	Water	3005A	
752-38050-7	101325-Dup1	Total Recoverable	Water	3005A	
MB 705-89479/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 705-89479/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 89769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38050-4	MW-4	Total/NA	Water	7470A	89476
752-38050-5	MW-6	Total/NA	Water	7470A	89476
752-38050-6	MW-8	Total/NA	Water	7470A	89476
752-38050-7	101325-Dup1	Total/NA	Water	7470A	89476
MB 705-89476/1-A	Method Blank	Total/NA	Water	7470A	89476
LCS 705-89476/2-A	Lab Control Sample	Total/NA	Water	7470A	89476

Analysis Batch: 89940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 705-89479/1-A	Method Blank	Total Recoverable	Water	6020B	89479
LCS 705-89479/2-A	Lab Control Sample	Total Recoverable	Water	6020B	89479

Analysis Batch: 90027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38050-1	MW-1	Total Recoverable	Water	6020B	89479
752-38050-2	MW-2	Total Recoverable	Water	6020B	89479
752-38050-3	MW-3	Total Recoverable	Water	6020B	89479

Metals (Continued)

Analysis Batch: 90027 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38050-4	MW-4	Total Recoverable	Water	6020B	89479
752-38050-5	MW-6	Total Recoverable	Water	6020B	89479
752-38050-6	MW-8	Total Recoverable	Water	6020B	89479
752-38050-7	101325-Dup1	Total Recoverable	Water	6020B	89479

General Chemistry

Analysis Batch: 13837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38050-1	MW-1	Total/NA	Water	353.2	
752-38050-2	MW-2	Total/NA	Water	353.2	
752-38050-3	MW-3	Total/NA	Water	353.2	
752-38050-4	MW-4	Total/NA	Water	353.2	
752-38050-5	MW-6	Total/NA	Water	353.2	
752-38050-6	MW-8	Total/NA	Water	353.2	
752-38050-7	101325-Dup1	Total/NA	Water	353.2	
MB 752-13837/10	Method Blank	Total/NA	Water	353.2	
LCS 752-13837/13	Lab Control Sample	Total/NA	Water	353.2	
LCSD 752-13837/40	Lab Control Sample Dup	Total/NA	Water	353.2	
752-38050-7 MS	101325-Dup1	Total/NA	Water	353.2	
752-38050-7 MSD	101325-Dup1	Total/NA	Water	353.2	

Analysis Batch: 727599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38050-1	MW-1	Total/NA	Water	350.1	
752-38050-2	MW-2	Total/NA	Water	350.1	
752-38050-3	MW-3	Total/NA	Water	350.1	
752-38050-4	MW-4	Total/NA	Water	350.1	
752-38050-6	MW-8	Total/NA	Water	350.1	
752-38050-7	101325-Dup1	Total/NA	Water	350.1	
MB 400-727599/24	Method Blank	Total/NA	Water	350.1	
LCS 400-727599/25	Lab Control Sample	Total/NA	Water	350.1	
MRL 400-727599/19	Lab Control Sample	Total/NA	Water	350.1	

Analysis Batch: 727937

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38050-5	MW-6	Total/NA	Water	350.1	
MB 400-727937/59	Method Blank	Total/NA	Water	350.1	
LCS 400-727937/60	Lab Control Sample	Total/NA	Water	350.1	
MRL 400-727937/18	Lab Control Sample	Total/NA	Water	350.1	

Analysis Batch: 886624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38050-1	MW-1	Total/NA	Water	353.2-1993 R2.0	
752-38050-2	MW-2	Total/NA	Water	353.2-1993 R2.0	
752-38050-3	MW-3	Total/NA	Water	353.2-1993 R2.0	
752-38050-4	MW-4	Total/NA	Water	353.2-1993 R2.0	
752-38050-5	MW-6	Total/NA	Water	353.2-1993 R2.0	
752-38050-6	MW-8	Total/NA	Water	353.2-1993 R2.0	
752-38050-7	101325-Dup1	Total/NA	Water	353.2-1993 R2.0	
MB 680-886624/14	Method Blank	Total/NA	Water	353.2-1993 R2.0	

General Chemistry (Continued)

Analysis Batch: 886624 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-886624/44	Method Blank	Total/NA	Water	353.2-1993 R2.0	
LCS 680-886624/15	Lab Control Sample	Total/NA	Water	353.2-1993 R2.0	
LCS 680-886624/45	Lab Control Sample	Total/NA	Water	353.2-1993 R2.0	
752-38050-6 MS	MW-8	Total/NA	Water	353.2-1993 R2.0	
752-38050-6 MSD	MW-8	Total/NA	Water	353.2-1993 R2.0	
752-38050-7 MS	101325-Dup1	Total/NA	Water	353.2-1993 R2.0	
752-38050-7 MSD	101325-Dup1	Total/NA	Water	353.2-1993 R2.0	

Analysis Batch: 886626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38050-1	MW-1	Total/NA	Water	Nitrate by calc	
752-38050-2	MW-2	Total/NA	Water	Nitrate by calc	
752-38050-3	MW-3	Total/NA	Water	Nitrate by calc	
752-38050-4	MW-4	Total/NA	Water	Nitrate by calc	
752-38050-5	MW-6	Total/NA	Water	Nitrate by calc	
752-38050-6	MW-8	Total/NA	Water	Nitrate by calc	
752-38050-7	101325-Dup1	Total/NA	Water	Nitrate by calc	

Lab Chronicle

Client: S&ME Inc
Job ID: 752-38050-1
Project/Site: East End Park, Durham, NC

Client Sample ID: MW-1
Lab Sample ID: 752-38050-1
Date Collected: 10/13/25 11:25
Matrix: Water
Date Received: 10/14/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	727624	WPD	EET PEN	10/22/25 16:01
Total/NA	Prep	3511			727030	AMM	EET PEN	10/16/25 10:31
Total/NA	Analysis	8270E		1	727667	JAW	EET PEN	10/22/25 15:44
Total/NA	Prep	3510C			727262	STC	EET PEN	10/17/25 16:48
Total/NA	Analysis	8270E SIM ID		1	727433	VC1	EET PEN	10/20/25 14:56
Total/NA	Analysis	9056A		1	727921	LHB	EET PEN	10/24/25 05:39
Total Recoverable	Prep	3005A			89479	BR	EET ATL	10/20/25 08:46
Total Recoverable	Analysis	6020B		1	90027	MD	EET ATL	10/21/25 19:19
Total/NA	Prep	7470A			88777	GR	EET ATL	10/16/25 09:01
Total/NA	Analysis	7470A		1	89047	GR	EET ATL	10/16/25 16:11
Total/NA	Analysis	350.1		1	727599	CAC	EET PEN	10/21/25 11:12
Total/NA	Analysis	353.2		1	13837	RKJ	EET RAL	10/14/25 16:31
Total/NA	Analysis	353.2-1993 R2.0		1	886624	NVF	EET SAV	10/16/25 12:46
Total/NA	Analysis	Nitrate by calc		1	886626	NVF	EET SAV	10/22/25 07:35

Client Sample ID: MW-2
Lab Sample ID: 752-38050-2
Date Collected: 10/13/25 12:45
Matrix: Water
Date Received: 10/14/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	727624	WPD	EET PEN	10/22/25 16:25
Total/NA	Prep	3511			727030	AMM	EET PEN	10/16/25 10:31
Total/NA	Analysis	8270E		1	727667	JAW	EET PEN	10/22/25 16:16
Total/NA	Prep	3510C			727262	STC	EET PEN	10/17/25 16:48
Total/NA	Analysis	8270E SIM ID		1	727433	VC1	EET PEN	10/20/25 15:17
Total/NA	Analysis	9056A		1	727917	LHB	EET PEN	10/23/25 22:16
Total Recoverable	Prep	3005A			89479	BR	EET ATL	10/20/25 08:46
Total Recoverable	Analysis	6020B		1	90027	MD	EET ATL	10/21/25 19:22
Total/NA	Prep	7470A			88777	GR	EET ATL	10/16/25 09:01
Total/NA	Analysis	7470A		1	89047	GR	EET ATL	10/16/25 16:15
Total/NA	Analysis	350.1		1	727599	CAC	EET PEN	10/21/25 11:26
Total/NA	Analysis	353.2		1	13837	RKJ	EET RAL	10/14/25 16:32
Total/NA	Analysis	353.2-1993 R2.0		1	886624	NVF	EET SAV	10/16/25 12:47
Total/NA	Analysis	Nitrate by calc		1	886626	NVF	EET SAV	10/22/25 07:35

Client Sample ID: MW-3
Lab Sample ID: 752-38050-3
Date Collected: 10/13/25 13:30
Matrix: Water
Date Received: 10/14/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	727624	WPD	EET PEN	10/22/25 16:49
Total/NA	Prep	3511			727030	AMM	EET PEN	10/16/25 10:31
Total/NA	Analysis	8270E		1	727667	JAW	EET PEN	10/22/25 16:49

Lab Chronicle

Client: S&ME Inc
Job ID: 752-38050-1
Project/Site: East End Park, Durham, NC

Client Sample ID: MW-3
Lab Sample ID: 752-38050-3
Date Collected: 10/13/25 13:30
Matrix: Water
Date Received: 10/14/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3511	RA		727030	AMM	EET PEN	10/16/25 10:31
Total/NA	Analysis	8270E	RA	1	727872	JAW	EET PEN	10/23/25 13:24
Total/NA	Prep	3510C			727262	STC	EET PEN	10/17/25 16:48
Total/NA	Analysis	8270E SIM ID		1	727433	VC1	EET PEN	10/20/25 15:38
Total/NA	Analysis	9056A		1	727917	LHB	EET PEN	10/23/25 22:24
Total Recoverable	Prep	3005A			89479	BR	EET ATL	10/20/25 08:46
Total Recoverable	Analysis	6020B		1	90027	MD	EET ATL	10/21/25 19:24
Total/NA	Prep	7470A			88777	GR	EET ATL	10/16/25 09:01
Total/NA	Analysis	7470A		1	89047	GR	EET ATL	10/16/25 16:19
Total/NA	Analysis	350.1		1	727599	CAC	EET PEN	10/21/25 11:28
Total/NA	Analysis	353.2		1	13837	RKJ	EET RAL	10/14/25 16:33
Total/NA	Analysis	353.2-1993 R2.0		1	886624	NVF	EET SAV	10/16/25 12:57
Total/NA	Analysis	Nitrate by calc		1	886626	NVF	EET SAV	10/22/25 07:35

Client Sample ID: MW-4
Lab Sample ID: 752-38050-4
Date Collected: 10/13/25 15:55
Matrix: Water
Date Received: 10/14/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	727624	WPD	EET PEN	10/22/25 17:12
Total/NA	Prep	3511			727030	AMM	EET PEN	10/16/25 10:31
Total/NA	Analysis	8270E		1	727667	JAW	EET PEN	10/22/25 17:21
Total/NA	Prep	3510C			727262	STC	EET PEN	10/17/25 16:48
Total/NA	Analysis	8270E SIM ID		1	727433	VC1	EET PEN	10/20/25 16:00
Total/NA	Analysis	9056A		1	727917	LHB	EET PEN	10/23/25 22:33
Total Recoverable	Prep	3005A			89479	BR	EET ATL	10/20/25 08:46
Total Recoverable	Analysis	6020B		1	90027	MD	EET ATL	10/21/25 19:27
Total/NA	Prep	7470A			89476	GR	EET ATL	10/20/25 13:01
Total/NA	Analysis	7470A		1	89769	GR	EET ATL	10/21/25 07:14
Total/NA	Analysis	350.1		1	727599	CAC	EET PEN	10/21/25 11:30
Total/NA	Analysis	353.2		1	13837	RKJ	EET RAL	10/14/25 16:34
Total/NA	Analysis	353.2-1993 R2.0		1	886624	NVF	EET SAV	10/16/25 12:59
Total/NA	Analysis	Nitrate by calc		1	886626	NVF	EET SAV	10/22/25 07:35

Client Sample ID: MW-6
Lab Sample ID: 752-38050-5
Date Collected: 10/13/25 14:45
Matrix: Water
Date Received: 10/14/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	727624	WPD	EET PEN	10/22/25 17:36
Total/NA	Prep	3511			727030	AMM	EET PEN	10/16/25 10:31
Total/NA	Analysis	8270E		1	727667	JAW	EET PEN	10/22/25 17:53
Total/NA	Prep	3510C			727262	STC	EET PEN	10/17/25 16:48
Total/NA	Analysis	8270E SIM ID		1	727433	VC1	EET PEN	10/20/25 16:21

Lab Chronicle

Client: S&ME Inc
Job ID: 752-38050-1
Project/Site: East End Park, Durham, NC

Client Sample ID: MW-6
Lab Sample ID: 752-38050-5
Date Collected: 10/13/25 14:45
Matrix: Water
Date Received: 10/14/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		1	727917	LHB	EET PEN	10/23/25 22:41
Total Recoverable	Prep	3005A			89479	BR	EET ATL	10/20/25 08:46
Total Recoverable	Analysis	6020B		1	90027	MD	EET ATL	10/21/25 19:29
Total/NA	Prep	7470A			89476	GR	EET ATL	10/20/25 13:01
Total/NA	Analysis	7470A		1	89769	GR	EET ATL	10/21/25 07:26
Total/NA	Analysis	350.1		2	727937	CAC	EET PEN	10/23/25 13:07
Total/NA	Analysis	353.2		1	13837	RKJ	EET RAL	10/14/25 16:35
Total/NA	Analysis	353.2-1993 R2.0		1	886624	NVF	EET SAV	10/16/25 13:00
Total/NA	Analysis	Nitrate by calc		1	886626	NVF	EET SAV	10/22/25 07:35

Client Sample ID: MW-8
Lab Sample ID: 752-38050-6
Date Collected: 10/13/25 17:20
Matrix: Water
Date Received: 10/14/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	727815	BPO	EET PEN	10/23/25 13:33
Total/NA	Prep	3511			727030	AMM	EET PEN	10/16/25 10:31
Total/NA	Analysis	8270E		1	727667	JAW	EET PEN	10/22/25 18:25
Total/NA	Prep	3510C			727262	STC	EET PEN	10/17/25 16:48
Total/NA	Analysis	8270E SIM ID		1	727433	VC1	EET PEN	10/20/25 16:43
Total/NA	Analysis	9056A		1	727917	LHB	EET PEN	10/23/25 22:50
Total Recoverable	Prep	3005A			89479	BR	EET ATL	10/20/25 08:46
Total Recoverable	Analysis	6020B		1	90027	MD	EET ATL	10/21/25 19:31
Total/NA	Prep	7470A			89476	GR	EET ATL	10/20/25 13:01
Total/NA	Analysis	7470A		1	89769	GR	EET ATL	10/21/25 07:30
Total/NA	Analysis	350.1		1	727599	CAC	EET PEN	10/21/25 11:36
Total/NA	Analysis	353.2		1	13837	RKJ	EET RAL	10/14/25 16:36
Total/NA	Analysis	353.2-1993 R2.0		1	886624	NVF	EET SAV	10/16/25 13:08
Total/NA	Analysis	Nitrate by calc		1	886626	NVF	EET SAV	10/22/25 07:35

Client Sample ID: 101325-Dup1
Lab Sample ID: 752-38050-7
Date Collected: 10/13/25 00:00
Matrix: Water
Date Received: 10/14/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	727815	BPO	EET PEN	10/23/25 13:09
Total/NA	Prep	3511			727030	AMM	EET PEN	10/16/25 10:31
Total/NA	Analysis	8270E		1	727667	JAW	EET PEN	10/22/25 18:57
Total/NA	Prep	3510C			727262	STC	EET PEN	10/17/25 16:48
Total/NA	Analysis	8270E SIM ID		1	727433	VC1	EET PEN	10/20/25 17:04
Total/NA	Analysis	9056A		1	727917	LHB	EET PEN	10/23/25 22:58
Total Recoverable	Prep	3005A			89479	BR	EET ATL	10/20/25 08:46
Total Recoverable	Analysis	6020B		1	90027	MD	EET ATL	10/21/25 19:34

Lab Chronicle

Client: S&ME Inc
Job ID: 752-38050-1
Project/Site: East End Park, Durham, NC

Client Sample ID: 101325-Dup1
Lab Sample ID: 752-38050-7
Date Collected: 10/13/25 00:00
Matrix: Water
Date Received: 10/14/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			89476	GR	EET ATL	10/20/25 13:01
Total/NA	Analysis	7470A		1	89769	GR	EET ATL	10/21/25 07:34
Total/NA	Analysis	350.1		1	727599	CAC	EET PEN	10/21/25 11:38
Total/NA	Analysis	353.2		1	13837	RKJ	EET RAL	10/14/25 16:39
Total/NA	Analysis	353.2-1993 R2.0		1	886624	NVF	EET SAV	10/16/25 13:02
Total/NA	Analysis	Nitrate by calc		1	886626	NVF	EET SAV	10/22/25 07:35

Client Sample ID: Trip Blank 1
Lab Sample ID: 752-38050-8
Date Collected: 10/13/25 00:00
Matrix: Water
Date Received: 10/14/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	727815	BPO	EET PEN	10/23/25 12:45

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
EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: S&ME Inc
Job ID: 752-38050-1
Project/Site: East End Park, Durham, NC

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
8260D		Water	Hexane
8260D		Water	n-Heptane
8270E	3511	Water	3 & 4 Methylphenol
8270E	3511	Water	4-Nitrophenol
9056A		Water	Sulfate

Laboratory: Eurofins Savannah

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
North Carolina (WW/SW)	State	269	12-31-25

Method Summary

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38050-1

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 ATL
7470A	Mercury (CVAA)	SW846	EET ATL
350.1	Nitrogen, Ammonia	EPA	EET PEN
353.2	Nitrogen, Nitrite	EPA	EET RAL
353.2-1993 R2.0	Nitrogen, Nitrate-Nitrite	MCAWW	EET SAV
Nitrate by calc	Nitrogen, Nitrate-Nitrite	SM	EET SAV
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET ATL
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 ATL

Protocol References:

EPA = US Environmental Protection Agency
MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
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
EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Sample Summary

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38050-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
752-38050-1	MW-1	Water	10/13/25 11:25	10/14/25 08:00	North Carolina
752-38050-2	MW-2	Water	10/13/25 12:45	10/14/25 08:00	North Carolina
752-38050-3	MW-3	Water	10/13/25 13:30	10/14/25 08:00	North Carolina
752-38050-4	MW-4	Water	10/13/25 15:55	10/14/25 08:00	North Carolina
752-38050-5	MW-6	Water	10/13/25 14:45	10/14/25 08:00	North Carolina
752-38050-6	MW-8	Water	10/13/25 17:20	10/14/25 08:00	North Carolina
752-38050-7	101325-Dup1	Water	10/13/25 00:00	10/14/25 08:00	North Carolina
752-38050-8	Trip Blank 1	Water	10/13/25 00:00	10/14/25 08:00	North Carolina

Eurofins Raleigh
104 Woodwinds Industrial Court Suite A
Cary, NC 27511
Phone (919) 467-3090

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Chase Porter	Lab PM: Bechtold, Chad	Carrier Tracking No(s):	COC No: 680-170035-59846.1
Client Contact: Rachel Moore	Phone: (506) 337-7891	E-Mail: Chad.Bechtold@et.eurofinsus.com	State of Origin:	Page: 1 of 1
Company: S&ME Inc	PWSID:			Job #:
Address: 3201 Spring Forest Road	Due Date Requested:			
City: Raleigh	TAT Requested (days): STANDARD TAT			
State, Zip: NC, 27616	Compliance Project: Δ Yes Δ No			
Phone: 919-872-2660(Tel) 919-876-3958(Fax)	PO #: 23050630BK			
Email: RachelMoore@smeinc.com	WO #:			
Project Name: East End Park, Durham, NC	Project #: 68026680			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
N - None
S - H2SO4
A - HCL
D - HNO3

752-38050 COC

Other:

NCDEQ EQuIS EDDs

Special Instructions/Note:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270E_QQQ - SVOC TCL OLM4.2	8270E_SIM_ID_D5 - 1,4 Dioxane	350.1 - Ammonia as N; 353.2 - NOx, Nitrate_Calc	8260D - VOC NC 02L List	6020B - PRLF Metals; 7470A - Hg	353.2_Nitrite - Nitrite (48 Hour HT)	SM4500_SO4_E - Sulfate	Total Number of containers
Preservation Code:							N	N	S	A	D	N	N	
MW-1	10/13/25	1125	G	W			X	X	X	X	X	X	X	
MW-2	10/13/25	1245	G	W			X	X	X	X	X	X	X	
MW-3	10/13/25	1330	G	W			X	X	X	X	X	X	X	
MW-4	10/13/25	1555	G	W			X	X	X	X	X	X	X	
MW-6	10/13/25	1445	G	W			X	X	X	X	X	X	X	
MW-8	10/13/25	1720	G	W			X	X	X	X	X	X	X	
101325-DUP1	10/13/25	—	G	W			X	X	X	X	X	X	X	
TRIP BLANK 1	—	—	—	—										
~~TRIP BLANK 2~~	—	—	—	—										
(Cooler Used as Trip Blank)														

Initial Temperature 3.2/2.3°C
Correction Factor: -0.4°C
Corrected Temperature: 2.8/1.9°C
Temp IR Gun: CRY-T-132
Initials: RY BR PG DW DO HH

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
CPotter	10/13/25 1825	SME		101425 800	
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:

Eurofins Raleigh
104 Woodwinds Industrial Court Suite A
Cary, NC 27511
Phone: 919-467-3090

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Bechtold, Chad	Carrier Tracking No(s): N/A	COC No: 752-6924.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Chad Bechtold@et.eurofinsus.com	State of Origin: North Carolina	Page: Page 1 of 1
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): State - North Carolina (WW/SW)		Job #: 752-38050-1
Address: 3355 McLemore Drive, ,	Due Date Requested: 10/22/2025			Preservation Codes: -
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 End Park, Durham, NC	Project #: 68026680			Other: N/A
Site: N/A	SSOW#: N/A			

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D/5030CVOC NC 02L List	8270E_QQQ/3511(MOD) SVOC TCL OLM4.2	8270E_SIM_ID_DI/3510C_LVI1,4 Dioxane	350.1Ammonia as N	9056A_ORGFM_28DSulfate	Total Number of Containers	Special Instructions/Note:
			Preservation Code:										
MW-1 (752-38050-1)	10/13/25	11 25 Eastern	G	Water			X	X	X	X	X		
MW-2 (752-38050-2)	10/13/25	12.45 Eastern	G	Water			X	X	X	X	X		
MW-3 (752-38050-3)	10/13/25	13 30 Eastern	G	Water			X	X	X	X	X		
MW-4 (752-38050-4)	10/13/25	15 55 Eastern	G	Water			X	X	X	X	X		
MW-6 (752-38050-5)	10/13/25	14.45 Eastern	G	Water			X	X	X	X	X		
MW-8 (752-38050-6)	10/13/25	17 20 Eastern	G	Water			X	X	X	X	X		
101325-Dup1 (752-38050-7)	10/13/25	Eastern	G	Water			X	X	X	X	X		
Trip Blank 1 (752-38050-8)	10/13/25	Eastern	G	Water			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: Unconfirmed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		10-14-25-16:00			10/15/25 9:15	Eurofins
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No..	Cooler Temperature(s) °C and Other Remarks: 0.0°C IR8, 0.0°C IR10, 0.8°C IR10

Ver: 10/10/2024

10/27/2025

Eurofins Raleigh
104 Woodwinds Industrial Court Suite A
Cary, NC 27511
Phone: 919-467-3090

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Bechtold, Chad	Carrier Tracking No(s): N/A	COC No: 752-6927.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Chad.Bechtold@et.eurofinsus.com	State of Origin: North Carolina	Page: Page 1 of 1
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): State - North Carolina (WW/SW)		Job #: 752-38050-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 10/22/2025			Preservation Codes: -
City: Savannah	TAT Requested (days): N/A			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: East End Park, Durham, NC	Project #: 68026680			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	353.2_PresNitrate+Nitrite	Nitrate_CalcNitrate	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
MW-1 (752-38050-1)	10/13/25	11:25 Eastern	G	Water			X	X	1	
MW-2 (752-38050-2)	10/13/25	12:45 Eastern	G	Water			X	X	1	
MW-3 (752-38050-3)	10/13/25	13:30 Eastern	G	Water			X	X	1	
MW-4 (752-38050-4)	10/13/25	15:55 Eastern	G	Water			X	X	1	
MW-6 (752-38050-5)	10/13/25	14:45 Eastern	G	Water			X	X	1	
MW-8 (752-38050-6)	10/13/25	17:20 Eastern	G	Water			X	X	1	
101325-Dup1 (752-38050-7)	10/13/25	Eastern	G	Water			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification Unconfirmed	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)* ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	10-14-25-16:00			10/15/25 0925	
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: 2.9/3.0

Eurofins Raleigh
104 Woodwinds Industrial Court Suite A
Cary, NC 27511
Phone: 919-467-3090

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Bechtold, Chad	Carrier Tracking No(s): N/A	COC No: 752-6921.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Chad.Bechtold@et.eurofinsus.com	State of Origin: North Carolina	Page: Page 1 of 1
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): State - North Carolina (WW/SW)		Job #: 752-38050-1
Address: 3080 Presidential Dr, ,	Due Date Requested: 10/22/2025			
City: Atlanta	TAT Requested (days): N/A			
State, Zip: GA, 30340				
Phone: 770-457-8177(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: East End Park, Durham, NC	Project #: 68026680			
Site: N/A	SSOW#: N/A			

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3005APRLF 16 Metals, including prep	7470A/7470A_PrepMercury	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
MW-1 (752-38050-1)	10/13/25	11:25 Eastern	G	Water			X	X	1	
MW-2 (752-38050-2)	10/13/25	12:45 Eastern	G	Water			X	X	1	
MW-3 (752-38050-3)	10/13/25	13:30 Eastern	G	Water			X	X	1	
MW-4 (752-38050-4)	10/13/25	15:55 Eastern	G	Water			X	X	1	
MW-6 (752-38050-5)	10/13/25	14:45 Eastern	G	Water			X	X	1	
MW-8 (752-38050-6)	10/13/25	17:20 Eastern	G	Water			X	X	1	
101325-Dup1 (752-38050-7)	10/13/25	Eastern	G	Water			X	X	1	

Preservation Codes: -

Other: N/A

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
PB	10/14/25 15:15		RCTaylor	10/15/25 950	
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: .8 #2665

Login Sample Receipt Checklist

Client: S&ME Inc

Job Number: 752-38050-1

Login Number: 38050
List Number: 1
Creator: Yonish, Rachel

List Source: Eurofins Raleigh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: S&ME Inc

Job Number: 752-38050-1

Login Number: 38050
List Number: 3
Creator: Taylor, Renee

List Source: Eurofins Atlanta
List Creation: 10/15/25 11:32 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
The cooler does 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 present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Sample custody seals, if present, are intact.	True	
Sample collection date/times are provided.	True	
The samples do not appear to have been compromised or tampered with.	True	
Containers are not broken or leaking.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Appropriate sample containers were rec'd and sufficient volume for all analyses.	True	
Samples are received within Holding Time (excluding tests with immediate HTs).	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Is there sufficient air space in bottle for bacteriological analysis.	True	

Login Sample Receipt Checklist

Client: S&ME Inc

Job Number: 752-38050-1

Login Number: 38050
List Number: 4
Creator: Bankston, Victoria K

List Source: Eurofins Pensacola
List Creation: 10/15/25 12:43 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	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 IR8, 0.0, 0.0°C IR10
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	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	

Login Sample Receipt Checklist

Client: S&ME Inc

Job Number: 752-38050-1

Login Number: 38050
List Number: 2
Creator: Lincoln, Alyssa

List Source: Eurofins Savannah
List Creation: 10/15/25 09:56 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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Rachel Moore
S&ME Inc
3201 Spring Forest Road
Raleigh, North Carolina 27616

Generated 10/28/2025 2:41:08 PM

JOB DESCRIPTION

East End Park, Durham, NC

JOB NUMBER

752-38112-1

Eurofins Raleigh
104 Woodwinds Industrial Court
Suite A
Cary NC 27511

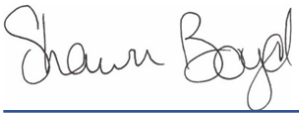
See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 6
Detection Summary 8
Client Sample Results 10
Surrogate Summary 24
Isotope Dilution Summary 25
QC Sample Results 26
QC Association Summary 46
Lab Chronicle 49
Certification Summary 51
Method Summary 52
Sample Summary 53
Chain of Custody 54
Receipt Checklists 58

Definitions/Glossary

Client: S&ME Inc
Job ID: 752-38112-1
Project/Site: East End Park, Durham, NC

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
B	Compound was found in the blank and sample.
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
^-	Continuing Calibration Verification (CCV) is outside acceptance limits, low biased.
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 752-38112-1 — Eurofins Raleigh

Job Narrative
752-38112-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 10/15/2025 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.2°C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 400-727676 recovered above the upper control limit for Bromomethane and Chloroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCVIS 400-727676/3).

Method 8260D: The continuing calibration verification (CCV) associated with batch 400-727676 recovered outside acceptance criteria, low biased, for 1,2-Dibromo-3-Chloropropane and Iodomethane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260D: The laboratory control sample (LCS) for analytical batch 400-727676 recovered outside control limits for the following analytes: Bromomethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The continuing calibration verification (CCV) associated with batch 400-727836 recovered above the upper control limit for Acetone, Bromomethane, Chloroethane, Trichlorofluoromethane and 1,1,2-Trichloro-1,2,2-trifluoroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCVIS 400-727836/2).

Method 8260D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-727836 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8260D: The laboratory control sample (LCS) for analytical batch 400-727836 recovered outside control limits for the following analytes: Acetone, Bromomethane and n-Butylbenzene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

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

GC/MS Semi VOA
Method 8270E_QQQ: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 400-727180.

Method 8270E_QQQ: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 400-727180 and analytical batch 400-727654 recovered outside control limits for the following analytes: Caprolactam. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-727654 recovered above the upper control limit for Caprolactam. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-727654 recovered outside acceptance criteria, low biased, for Diethyl phthalate, 4-Chlorophenyl phenyl ether, Dimethyl phthalate, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol and Hexachlorocyclopentadiene. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8270E_QQQ: The method blank for preparation batch 400-727180 and analytical batch 400-727654 contained Bis(2-ethylhexyl) phthalate above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-727667 recovered outside acceptance criteria, low biased, for Phenol, 2-Chlorophenol, Bis(2-chloroethyl)ether, Dimethyl phthalate and N-Nitrosodi-n-propylamine . A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are 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
Method 6020B - Total Recoverable: The continuing calibration verification (CCV) associated with batch 705-90299 recovered above the upper control limit for Antimony, Barium, Lead and Thallium. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are:(CCV 705-90299/14) and (MB 705-89582/1-A).

Method 6020B - Total Recoverable: The continuing calibration verification (CCV) associated with batch 89582 recovered above the upper control limit for Lead. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are:MW-5 (752-38112-1), MW-7 (752-38112-2), 101425-Dup 1 (752-38112-3) and (CCV 705-90299/47).

Method 6020B - Total Recoverable: The method blank for preparation batch 705-89582 and analytical batch 705-90299 contained Barium, Beryllium, Cobalt, Copper and Nickel above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 6020B - Total Recoverable: The method blank for preparation batch 705-89582 contained Lead and Thallium above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

Method 6020B - Total Recoverable: The continuing calibration verification (CCV) associated with batch 705-90299 recovered outside acceptance criteria, low biased, for Selenium, Silver and Zinc. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated. MB passed.

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

General Chemistry
Method SM4500_NO3_F: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-7 (752-38112-2) and 101425-Dup 1 (752-38112-3). Elevated reporting limits (RLs) are provided.

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

Detection Summary

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38112-1

Client Sample ID: MW-5 — Lab Sample ID: 752-38112-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	7.89	J	9.74	0.614	ug/L	1		8270E	Total/NA
Anthracene	1.26	J	9.74	0.886	ug/L	1		8270E	Total/NA
Bis(2-ethylhexyl) phthalate	5.60	J B	9.74	3.90	ug/L	1		8270E	Total/NA
Fluoranthene	0.835	J	9.74	0.614	ug/L	1		8270E	Total/NA
Fluorene	4.65	J	9.74	0.653	ug/L	1		8270E	Total/NA
Naphthalene	0.908	J	9.74	0.731	ug/L	1		8270E	Total/NA
Phenanthrene	11.3		9.74	0.721	ug/L	1		8270E	Total/NA
Sulfate	4.26		1.00	0.390	mg/L	1		9056A	Total/NA
Arsenic	4.43	J	5.00	1.32	ug/L	1		6020B	Total Recoverable
Barium	263	B	10.0	0.410	ug/L	1		6020B	Total Recoverable
Cobalt	1.02	J B	5.00	0.411	ug/L	1		6020B	Total Recoverable
Manganese	3360		5.00	1.29	ug/L	1		6020B	Total Recoverable
Zinc	59.6		10.0	8.91	ug/L	1		6020B	Total Recoverable
Ammonia (as N)	2.36		0.0500	0.0460	mg/L	1		350.1	Total/NA
Nitrate as N	0.0510	J	0.100	0.0250	mg/L	1		Nitrate by calc	Total/NA
Nitrate Nitrite as N	0.0510		0.0500	0.0180	mg/L	1		SM 4500 NO3 F	Total/NA

Client Sample ID: MW-7 — Lab Sample ID: 752-38112-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	3.52		1.00	0.390	mg/L	1		9056A	Total/NA
Barium	417	B	10.0	0.410	ug/L	1		6020B	Total Recoverable
Cobalt	0.531	J B	5.00	0.411	ug/L	1		6020B	Total Recoverable
Manganese	59.9		5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	1.07	J B	5.00	0.422	ug/L	1		6020B	Total Recoverable
Vanadium	2.02	J	5.00	1.22	ug/L	1		6020B	Total Recoverable
Mercury	0.226		0.200	0.166	ug/L	1		7470A	Total/NA
Nitrite as N	0.0857	J	0.100	0.0168	mg/L	1		353.2	Total/NA
Nitrate as N	15.1		0.100	0.0250	mg/L	1		Nitrate by calc	Total/NA
Nitrate Nitrite as N	15.2		0.500	0.180	mg/L	10		SM 4500 NO3 F	Total/NA

Client Sample ID: 101425-Dup 1 — Lab Sample ID: 752-38112-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	3.55		1.00	0.390	mg/L	1		9056A	Total/NA
Barium	447	B	10.0	0.410	ug/L	1		6020B	Total Recoverable
Cobalt	0.677	J B	5.00	0.411	ug/L	1		6020B	Total Recoverable
Copper	0.789	J B	2.00	0.642	ug/L	1		6020B	Total Recoverable
Manganese	80.0		5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	0.964	J B	5.00	0.422	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: 101425-Dup 1 (Continued) — Lab Sample ID: 752-38112-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vanadium	2.28	J	5.00	1.22	ug/L	1		6020B	Total Recoverable
Nitrite as N	0.125		0.100	0.0168	mg/L	1		353.2	Total/NA
Nitrate as N	5.74		0.100	0.0250	mg/L	1		Nitrate by calc	Total/NA
Nitrate Nitrite as N	5.86		0.250	0.0900	mg/L	5		SM 4500 NO3 F	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 752-38112-4

No Detections.

This Detection Summary does not include radiochemical test results.

Client: S&ME Inc
Job ID: 752-38112-1
Project/Site: East End Park, Durham, NC

Client Sample ID: MW-5
Lab Sample ID: 752-38112-1
Date Collected: 10/14/25 11:00
Matrix: Water
Date Received: 10/15/25 08:00

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			10/23/25 13:34	1
Benzene	ND		1.00	0.500	ug/L			10/23/25 13:34	1
Bromobenzene	ND		1.00	0.540	ug/L			10/23/25 13:34	1
Bromoform	ND		5.00	0.250	ug/L			10/23/25 13:34	1
Bromomethane	ND	*+ F1	1.00	0.980	ug/L			10/23/25 13:34	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			10/23/25 13:34	1
Carbon disulfide	ND		1.00	0.500	ug/L			10/23/25 13:34	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			10/23/25 13:34	1
Chlorobenzene	ND		1.00	0.420	ug/L			10/23/25 13:34	1
Chlorobromomethane	ND		1.00	0.520	ug/L			10/23/25 13:34	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			10/23/25 13:34	1
Chloroethane	ND		1.00	0.760	ug/L			10/23/25 13:34	1
Chloroform	ND		1.00	0.900	ug/L			10/23/25 13:34	1
Chloromethane	ND		1.00	0.400	ug/L			10/23/25 13:34	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			10/23/25 13:34	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			10/23/25 13:34	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			10/23/25 13:34	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			10/23/25 13:34	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			10/23/25 13:34	1
Dibromomethane	ND		5.00	0.220	ug/L			10/23/25 13:34	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			10/23/25 13:34	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			10/23/25 13:34	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			10/23/25 13:34	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			10/23/25 13:34	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			10/23/25 13:34	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			10/23/25 13:34	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			10/23/25 13:34	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 13:34	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 13:34	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 13:34	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			10/23/25 13:34	1
Ethyl acetate	ND		10.0	6.14	ug/L			10/23/25 13:34	1
Ethylbenzene	ND		1.00	0.500	ug/L			10/23/25 13:34	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			10/23/25 13:34	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			10/23/25 13:34	1
Hexane	ND		1.00	0.960	ug/L			10/23/25 13:34	1
2-Hexanone	ND	F1	25.0	4.26	ug/L			10/23/25 13:34	1
Iodomethane	ND		1.00	0.900	ug/L			10/23/25 13:34	1
Isopropylbenzene	ND		1.00	0.530	ug/L			10/23/25 13:34	1
Isopropyl ether	ND		1.00	0.740	ug/L			10/23/25 13:34	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			10/23/25 13:34	1
Methylene Chloride	ND		5.00	4.00	ug/L			10/23/25 13:34	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			10/23/25 13:34	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			10/23/25 13:34	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			10/23/25 13:34	1
Naphthalene	ND		5.00	3.00	ug/L			10/23/25 13:34	1
n-Butylbenzene	ND	*+	1.00	0.760	ug/L			10/23/25 13:34	1
n-Heptane	ND		1.00	0.210	ug/L			10/23/25 13:34	1
N-Propylbenzene	ND		1.00	0.690	ug/L			10/23/25 13:34	1

Client Sample ID: MW-5
Lab Sample ID: 752-38112-1
Date Collected: 10/14/25 11:00
Matrix: Water
Date Received: 10/15/25 08:00

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			10/23/25 13:34	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			10/23/25 13:34	1
Styrene	ND		1.00	1.00	ug/L			10/23/25 13:34	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			10/23/25 13:34	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			10/23/25 13:34	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			10/23/25 13:34	1
Tetrachloroethene	ND		1.00	0.330	ug/L			10/23/25 13:34	1
Toluene	ND		1.00	0.900	ug/L			10/23/25 13:34	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			10/23/25 13:34	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			10/23/25 13:34	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			10/23/25 13:34	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			10/23/25 13:34	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			10/23/25 13:34	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			10/23/25 13:34	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			10/23/25 13:34	1
Trichloroethene	ND		1.00	0.150	ug/L			10/23/25 13:34	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			10/23/25 13:34	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			10/23/25 13:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			10/23/25 13:34	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			10/23/25 13:34	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			10/23/25 13:34	1
Vinyl acetate	ND		25.0	0.930	ug/L			10/23/25 13:34	1
Vinyl chloride	ND		1.00	0.500	ug/L			10/23/25 13:34	1
Xylenes, Total	ND		10.0	6.00	ug/L			10/23/25 13:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*56 - 136*		*10/23/25 13:34*	*1*
Dibromofluoromethane	*108*		*79 - 130*		*10/23/25 13:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*59 - 146*		*10/23/25 13:34*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*10/23/25 13:34*	*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		0.280	0.280	ug/L		10/17/25 16:48	10/20/25 17:26	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*24*		*10 - 140*	*10/17/25 16:48*	*10/20/25 17:26*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.74	0.409	ug/L		10/17/25 11:52	10/23/25 02:09	1
2,4,5-Trichlorophenol	ND		9.74	0.526	ug/L		10/17/25 11:52	10/23/25 02:09	1
2,4,6-Trichlorophenol	ND		9.74	1.06	ug/L		10/17/25 11:52	10/23/25 02:09	1
2,4-Dichlorophenol	ND		9.74	0.555	ug/L		10/17/25 11:52	10/23/25 02:09	1
2,4-Dimethylphenol	ND		9.74	0.234	ug/L		10/17/25 11:52	10/23/25 02:09	1
2,4-Dinitrophenol	ND		29.2	4.56	ug/L		10/17/25 11:52	10/23/25 02:09	1
2,4-Dinitrotoluene	ND		9.74	0.633	ug/L		10/17/25 11:52	10/23/25 02:09	1
2,6-Dinitrotoluene	ND		9.74	0.282	ug/L		10/17/25 11:52	10/23/25 02:09	1
2-Chloronaphthalene	ND		9.74	0.370	ug/L		10/17/25 11:52	10/23/25 02:09	1
2-Chlorophenol	ND		9.74	0.818	ug/L		10/17/25 11:52	10/23/25 02:09	1
2-Methylnaphthalene	ND		9.74	0.789	ug/L		10/17/25 11:52	10/23/25 02:09	1

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38112-1

Client Sample ID: MW-5
Date Collected: 10/14/25 11:00
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38112-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		9.74	0.740	ug/L		10/17/25 11:52	10/23/25 02:09	1
2-Nitroaniline	ND		9.74	1.33	ug/L		10/17/25 11:52	10/23/25 02:09	1
2-Nitrophenol	ND		9.74	1.14	ug/L		10/17/25 11:52	10/23/25 02:09	1
3 & 4 Methylphenol	ND		19.5	4.48	ug/L		10/17/25 11:52	10/23/25 02:09	1
3,3'-Dichlorobenzidine	ND		10.7	0.399	ug/L		10/17/25 11:52	10/23/25 02:09	1
3-Nitroaniline	ND		9.74	0.925	ug/L		10/17/25 11:52	10/23/25 02:09	1
4,6-Dinitro-2-methylphenol	ND		9.74	1.92	ug/L		10/17/25 11:52	10/23/25 02:09	1
4-Bromophenyl phenyl ether	ND		9.74	0.127	ug/L		10/17/25 11:52	10/23/25 02:09	1
4-Chloro-3-methylphenol	ND		9.74	0.711	ug/L		10/17/25 11:52	10/23/25 02:09	1
4-Chloroaniline	ND		9.74	0.565	ug/L		10/17/25 11:52	10/23/25 02:09	1
4-Chlorophenyl phenyl ether	ND		9.74	0.234	ug/L		10/17/25 11:52	10/23/25 02:09	1
4-Nitroaniline	ND		9.74	3.41	ug/L		10/17/25 11:52	10/23/25 02:09	1
4-Nitrophenol	ND		9.74	2.67	ug/L		10/17/25 11:52	10/23/25 02:09	1
Acenaphthene	**7.89**	**J**	9.74	0.614	ug/L		10/17/25 11:52	10/23/25 02:09	1
Acenaphthylene	ND		9.74	0.740	ug/L		10/17/25 11:52	10/23/25 02:09	1
Acetophenone	ND		9.74	3.12	ug/L		10/17/25 11:52	10/23/25 02:09	1
Anthracene	**1.26**	**J**	9.74	0.886	ug/L		10/17/25 11:52	10/23/25 02:09	1
Atrazine	ND		9.74	1.10	ug/L		10/17/25 11:52	10/23/25 02:09	1
Benzaldehyde	ND		9.74	0.653	ug/L		10/17/25 11:52	10/23/25 02:09	1
Benzo[a]anthracene	ND		9.74	0.974	ug/L		10/17/25 11:52	10/23/25 02:09	1
Benzo[a]pyrene	ND		9.74	1.07	ug/L		10/17/25 11:52	10/23/25 02:09	1
Benzo[b]fluoranthene	ND		9.74	1.17	ug/L		10/17/25 11:52	10/23/25 02:09	1
Benzo[g,h,i]perylene	ND		9.74	1.46	ug/L		10/17/25 11:52	10/23/25 02:09	1
Benzo[k]fluoranthene	ND		9.74	1.46	ug/L		10/17/25 11:52	10/23/25 02:09	1
bis (2-chloroisopropyl) ether	ND		9.74	0.906	ug/L		10/17/25 11:52	10/23/25 02:09	1
Bis(2-chloroethoxy)methane	ND		9.74	0.331	ug/L		10/17/25 11:52	10/23/25 02:09	1
Bis(2-chloroethyl)ether	ND		9.74	0.711	ug/L		10/17/25 11:52	10/23/25 02:09	1
Bis(2-ethylhexyl) phthalate	**5.60**	**J B**	9.74	3.90	ug/L		10/17/25 11:52	10/23/25 02:09	1
Butyl benzyl phthalate	ND		9.74	3.90	ug/L		10/17/25 11:52	10/23/25 02:09	1
Caprolactam	ND	*+	9.74	2.34	ug/L		10/17/25 11:52	10/23/25 02:09	1
Carbazole	ND		9.74	0.312	ug/L		10/17/25 11:52	10/23/25 02:09	1
Chrysene	ND		9.74	1.17	ug/L		10/17/25 11:52	10/23/25 02:09	1
Dibenz(a,h)anthracene	ND		9.74	1.27	ug/L		10/17/25 11:52	10/23/25 02:09	1
Dibenzofuran	ND		9.74	0.623	ug/L		10/17/25 11:52	10/23/25 02:09	1
Diethyl phthalate	ND		9.74	3.90	ug/L		10/17/25 11:52	10/23/25 02:09	1
Dimethyl phthalate	ND		9.74	3.90	ug/L		10/17/25 11:52	10/23/25 02:09	1
Di-n-butyl phthalate	ND		9.74	7.98	ug/L		10/17/25 11:52	10/23/25 02:09	1
Di-n-octyl phthalate	ND		9.74	3.90	ug/L		10/17/25 11:52	10/23/25 02:09	1
Fluoranthene	**0.835**	**J**	9.74	0.614	ug/L		10/17/25 11:52	10/23/25 02:09	1
Fluorene	**4.65**	**J**	9.74	0.653	ug/L		10/17/25 11:52	10/23/25 02:09	1
Hexachlorobenzene	ND		9.74	0.244	ug/L		10/17/25 11:52	10/23/25 02:09	1
Hexachlorobutadiene	ND		9.74	0.536	ug/L		10/17/25 11:52	10/23/25 02:09	1
Hexachlorocyclopentadiene	ND		19.5	0.312	ug/L		10/17/25 11:52	10/23/25 02:09	1
Hexachloroethane	ND		9.74	0.516	ug/L		10/17/25 11:52	10/23/25 02:09	1
Indeno[1,2,3-cd]pyrene	ND		9.74	1.07	ug/L		10/17/25 11:52	10/23/25 02:09	1
Isophorone	ND		9.74	0.779	ug/L		10/17/25 11:52	10/23/25 02:09	1
Naphthalene	**0.908**	**J**	9.74	0.731	ug/L		10/17/25 11:52	10/23/25 02:09	1
Nitrobenzene	ND		9.74	0.584	ug/L		10/17/25 11:52	10/23/25 02:09	1
N-Nitrosodi-n-propylamine	ND		9.74	0.321	ug/L		10/17/25 11:52	10/23/25 02:09	1

Client Sample ID: MW-5
Date Collected: 10/14/25 11:00
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38112-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		9.74	0.185	ug/L		10/17/25 11:52	10/23/25 02:09	1
Pentachlorophenol	ND		9.74	2.73	ug/L		10/17/25 11:52	10/23/25 02:09	1
Phenanthrene	**11.3**		9.74	0.721	ug/L		10/17/25 11:52	10/23/25 02:09	1
Phenol	ND		9.74	0.662	ug/L		10/17/25 11:52	10/23/25 02:09	1
Pyrene	ND		9.74	0.614	ug/L		10/17/25 11:52	10/23/25 02:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*97*		*10 - 150*	*10/17/25 11:52*	*10/23/25 02:09*	*1*
2-Fluorobiphenyl (Surr)	*82*		*25 - 139*	*10/17/25 11:52*	*10/23/25 02:09*	*1*
2-Fluorophenol (Surr)	*82*		*10 - 150*	*10/17/25 11:52*	*10/23/25 02:09*	*1*
Nitrobenzene-d5 (Surr)	*82*		*22 - 150*	*10/17/25 11:52*	*10/23/25 02:09*	*1*
Phenol-d5 (Surr)	*67*		*10 - 150*	*10/17/25 11:52*	*10/23/25 02:09*	*1*
Terphenyl-d14 (Surr)	*64*		*28 - 150*	*10/17/25 11:52*	*10/23/25 02:09*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**4.26**		1.00	0.390	mg/L			10/24/25 02:31	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	2.45	ug/L		10/21/25 07:05	10/22/25 23:00	1
Arsenic	**4.43**	**J**	5.00	1.32	ug/L		10/21/25 07:05	10/23/25 19:58	1
Barium	**263**	**B**	10.0	0.410	ug/L		10/21/25 07:05	10/22/25 23:00	1
Beryllium	ND		1.00	0.147	ug/L		10/21/25 07:05	10/22/25 23:00	1
Cadmium	ND		0.700	0.237	ug/L		10/21/25 07:05	10/22/25 23:00	1
Chromium	ND		5.00	3.69	ug/L		10/21/25 07:05	10/22/25 23:00	1
Cobalt	**1.02**	**J B**	5.00	0.411	ug/L		10/21/25 07:05	10/22/25 23:00	1
Copper	ND		2.00	0.642	ug/L		10/21/25 07:05	10/22/25 23:00	1
Lead	ND	^+	1.00	0.864	ug/L		10/21/25 07:05	10/22/25 23:00	1
Manganese	**3360**		5.00	1.29	ug/L		10/21/25 07:05	10/23/25 19:58	1
Nickel	ND		5.00	0.422	ug/L		10/21/25 07:05	10/22/25 23:00	1
Selenium	ND		5.00	2.29	ug/L		10/21/25 07:05	10/23/25 19:58	1
Silver	ND		1.00	0.167	ug/L		10/21/25 07:05	10/23/25 19:58	1
Thallium	ND		1.00	0.190	ug/L		10/21/25 07:05	10/22/25 23:00	1
Vanadium	ND		5.00	1.22	ug/L		10/21/25 07:05	10/22/25 23:00	1
Zinc	**59.6**		10.0	8.91	ug/L		10/21/25 07:05	10/22/25 23:00	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		10/23/25 08:45	10/23/25 19:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	**2.36**		0.0500	0.0460	mg/L			10/21/25 13:42	1
Nitrite as N (EPA 353.2)	ND		0.100	0.0168	mg/L			10/15/25 14:30	1
Nitrate as N (SM Nitrate by calc)	**0.0510**	**J**	0.100	0.0250	mg/L			10/21/25 09:23	1
Nitrate Nitrite as N (SM 4500 NO3 F)	**0.0510**		0.0500	0.0180	mg/L			10/17/25 17:07	1

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38112-1

Client Sample ID: MW-7

Date Collected: 10/14/25 09:40
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38112-2

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			10/22/25 20:38	1
Benzene	ND		1.00	0.500	ug/L			10/22/25 20:38	1
Bromobenzene	ND		1.00	0.540	ug/L			10/22/25 20:38	1
Bromoform	ND		5.00	0.250	ug/L			10/22/25 20:38	1
Bromomethane	ND	*+	1.00	0.980	ug/L			10/22/25 20:38	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			10/22/25 20:38	1
Carbon disulfide	ND		1.00	0.500	ug/L			10/22/25 20:38	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			10/22/25 20:38	1
Chlorobenzene	ND		1.00	0.420	ug/L			10/22/25 20:38	1
Chlorobromomethane	ND		1.00	0.520	ug/L			10/22/25 20:38	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			10/22/25 20:38	1
Chloroethane	ND		1.00	0.760	ug/L			10/22/25 20:38	1
Chloroform	ND		1.00	0.900	ug/L			10/22/25 20:38	1
Chloromethane	ND		1.00	0.400	ug/L			10/22/25 20:38	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			10/22/25 20:38	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			10/22/25 20:38	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			10/22/25 20:38	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			10/22/25 20:38	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			10/22/25 20:38	1
Dibromomethane	ND		5.00	0.220	ug/L			10/22/25 20:38	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			10/22/25 20:38	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			10/22/25 20:38	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			10/22/25 20:38	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			10/22/25 20:38	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			10/22/25 20:38	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			10/22/25 20:38	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			10/22/25 20:38	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			10/22/25 20:38	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			10/22/25 20:38	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			10/22/25 20:38	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			10/22/25 20:38	1
Ethyl acetate	ND		10.0	6.14	ug/L			10/22/25 20:38	1
Ethylbenzene	ND		1.00	0.500	ug/L			10/22/25 20:38	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			10/22/25 20:38	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			10/22/25 20:38	1
Hexane	ND		1.00	0.960	ug/L			10/22/25 20:38	1
2-Hexanone	ND		25.0	4.26	ug/L			10/22/25 20:38	1
Iodomethane	ND		1.00	0.900	ug/L			10/22/25 20:38	1
Isopropylbenzene	ND		1.00	0.530	ug/L			10/22/25 20:38	1
Isopropyl ether	ND		1.00	0.740	ug/L			10/22/25 20:38	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			10/22/25 20:38	1
Methylene Chloride	ND		5.00	4.00	ug/L			10/22/25 20:38	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			10/22/25 20:38	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			10/22/25 20:38	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			10/22/25 20:38	1
Naphthalene	ND		5.00	3.00	ug/L			10/22/25 20:38	1
n-Butylbenzene	ND		1.00	0.760	ug/L			10/22/25 20:38	1
n-Heptane	ND		1.00	0.210	ug/L			10/22/25 20:38	1
N-Propylbenzene	ND		1.00	0.690	ug/L			10/22/25 20:38	1

Client Sample ID: MW-7
Date Collected: 10/14/25 09:40
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38112-2
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			10/22/25 20:38	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			10/22/25 20:38	1
Styrene	ND		1.00	1.00	ug/L			10/22/25 20:38	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			10/22/25 20:38	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			10/22/25 20:38	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			10/22/25 20:38	1
Tetrachloroethene	ND		1.00	0.330	ug/L			10/22/25 20:38	1
Toluene	ND		1.00	0.900	ug/L			10/22/25 20:38	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			10/22/25 20:38	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			10/22/25 20:38	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			10/22/25 20:38	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			10/22/25 20:38	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			10/22/25 20:38	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			10/22/25 20:38	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			10/22/25 20:38	1
Trichloroethene	ND		1.00	0.150	ug/L			10/22/25 20:38	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			10/22/25 20:38	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			10/22/25 20:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			10/22/25 20:38	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			10/22/25 20:38	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			10/22/25 20:38	1
Vinyl acetate	ND		25.0	0.930	ug/L			10/22/25 20:38	1
Vinyl chloride	ND		1.00	0.500	ug/L			10/22/25 20:38	1
Xylenes, Total	ND		10.0	6.00	ug/L			10/22/25 20:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*56 - 136*		*10/22/25 20:38*	*1*
Dibromofluoromethane	*99*		*79 - 130*		*10/22/25 20:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*59 - 146*		*10/22/25 20:38*	*1*
Toluene-d8 (Surr)	*98*		*64 - 132*		*10/22/25 20:38*	*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		10/17/25 16:48	10/20/25 17:47	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*24*		*10 - 140*	*10/17/25 16:48*	*10/20/25 17:47*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.87	0.414	ug/L		10/17/25 11:52	10/22/25 22:09	1
2,4,5-Trichlorophenol	ND		9.87	0.533	ug/L		10/17/25 11:52	10/22/25 22:09	1
2,4,6-Trichlorophenol	ND		9.87	1.08	ug/L		10/17/25 11:52	10/22/25 22:09	1
2,4-Dichlorophenol	ND		9.87	0.563	ug/L		10/17/25 11:52	10/22/25 22:09	1
2,4-Dimethylphenol	ND		9.87	0.237	ug/L		10/17/25 11:52	10/22/25 22:09	1
2,4-Dinitrophenol	ND		29.6	4.62	ug/L		10/17/25 11:52	10/22/25 22:09	1
2,4-Dinitrotoluene	ND		9.87	0.641	ug/L		10/17/25 11:52	10/22/25 22:09	1
2,6-Dinitrotoluene	ND		9.87	0.286	ug/L		10/17/25 11:52	10/22/25 22:09	1
2-Chloronaphthalene	ND		9.87	0.375	ug/L		10/17/25 11:52	10/22/25 22:09	1
2-Chlorophenol	ND		9.87	0.829	ug/L		10/17/25 11:52	10/22/25 22:09	1
2-Methylnaphthalene	ND		9.87	0.799	ug/L		10/17/25 11:52	10/22/25 22:09	1

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38112-1

Client Sample ID: MW-7
Date Collected: 10/14/25 09:40
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38112-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		9.87	0.750	ug/L		10/17/25 11:52	10/22/25 22:09	1
2-Nitroaniline	ND		9.87	1.35	ug/L		10/17/25 11:52	10/22/25 22:09	1
2-Nitrophenol	ND		9.87	1.15	ug/L		10/17/25 11:52	10/22/25 22:09	1
3 & 4 Methylphenol	ND		19.7	4.54	ug/L		10/17/25 11:52	10/22/25 22:09	1
3,3'-Dichlorobenzidine	ND		10.9	0.405	ug/L		10/17/25 11:52	10/22/25 22:09	1
3-Nitroaniline	ND		9.87	0.938	ug/L		10/17/25 11:52	10/22/25 22:09	1
4,6-Dinitro-2-methylphenol	ND		9.87	1.94	ug/L		10/17/25 11:52	10/22/25 22:09	1
4-Bromophenyl phenyl ether	ND		9.87	0.128	ug/L		10/17/25 11:52	10/22/25 22:09	1
4-Chloro-3-methylphenol	ND		9.87	0.720	ug/L		10/17/25 11:52	10/22/25 22:09	1
4-Chloroaniline	ND		9.87	0.572	ug/L		10/17/25 11:52	10/22/25 22:09	1
4-Chlorophenyl phenyl ether	ND		9.87	0.237	ug/L		10/17/25 11:52	10/22/25 22:09	1
4-Nitroaniline	ND		9.87	3.45	ug/L		10/17/25 11:52	10/22/25 22:09	1
4-Nitrophenol	ND		9.87	2.70	ug/L		10/17/25 11:52	10/22/25 22:09	1
Acenaphthene	ND		9.87	0.622	ug/L		10/17/25 11:52	10/22/25 22:09	1
Acenaphthylene	ND		9.87	0.750	ug/L		10/17/25 11:52	10/22/25 22:09	1
Acetophenone	ND		9.87	3.16	ug/L		10/17/25 11:52	10/22/25 22:09	1
Anthracene	ND		9.87	0.898	ug/L		10/17/25 11:52	10/22/25 22:09	1
Atrazine	ND		9.87	1.12	ug/L		10/17/25 11:52	10/22/25 22:09	1
Benzaldehyde	ND		9.87	0.661	ug/L		10/17/25 11:52	10/22/25 22:09	1
Benzo[a]anthracene	ND		9.87	0.987	ug/L		10/17/25 11:52	10/22/25 22:09	1
Benzo[a]pyrene	ND		9.87	1.09	ug/L		10/17/25 11:52	10/22/25 22:09	1
Benzo[b]fluoranthene	ND		9.87	1.18	ug/L		10/17/25 11:52	10/22/25 22:09	1
Benzo[g,h,i]perylene	ND		9.87	1.48	ug/L		10/17/25 11:52	10/22/25 22:09	1
Benzo[k]fluoranthene	ND		9.87	1.48	ug/L		10/17/25 11:52	10/22/25 22:09	1
bis (2-chloroisopropyl) ether	ND		9.87	0.918	ug/L		10/17/25 11:52	10/22/25 22:09	1
Bis(2-chloroethoxy)methane	ND		9.87	0.336	ug/L		10/17/25 11:52	10/22/25 22:09	1
Bis(2-chloroethyl)ether	ND		9.87	0.720	ug/L		10/17/25 11:52	10/22/25 22:09	1
Bis(2-ethylhexyl) phthalate	ND		9.87	3.95	ug/L		10/17/25 11:52	10/22/25 22:09	1
Butyl benzyl phthalate	ND		9.87	3.95	ug/L		10/17/25 11:52	10/22/25 22:09	1
Caprolactam	ND	*+	9.87	2.37	ug/L		10/17/25 11:52	10/22/25 22:09	1
Carbazole	ND		9.87	0.316	ug/L		10/17/25 11:52	10/22/25 22:09	1
Chrysene	ND		9.87	1.18	ug/L		10/17/25 11:52	10/22/25 22:09	1
Dibenz(a,h)anthracene	ND		9.87	1.28	ug/L		10/17/25 11:52	10/22/25 22:09	1
Dibenzofuran	ND		9.87	0.632	ug/L		10/17/25 11:52	10/22/25 22:09	1
Diethyl phthalate	ND		9.87	3.95	ug/L		10/17/25 11:52	10/22/25 22:09	1
Dimethyl phthalate	ND		9.87	3.95	ug/L		10/17/25 11:52	10/22/25 22:09	1
Di-n-butyl phthalate	ND		9.87	8.08	ug/L		10/17/25 11:52	10/22/25 22:09	1
Di-n-octyl phthalate	ND		9.87	3.95	ug/L		10/17/25 11:52	10/22/25 22:09	1
Fluoranthene	ND		9.87	0.622	ug/L		10/17/25 11:52	10/22/25 22:09	1
Fluorene	ND		9.87	0.661	ug/L		10/17/25 11:52	10/22/25 22:09	1
Hexachlorobenzene	ND		9.87	0.247	ug/L		10/17/25 11:52	10/22/25 22:09	1
Hexachlorobutadiene	ND		9.87	0.543	ug/L		10/17/25 11:52	10/22/25 22:09	1
Hexachlorocyclopentadiene	ND		19.7	0.316	ug/L		10/17/25 11:52	10/22/25 22:09	1
Hexachloroethane	ND		9.87	0.523	ug/L		10/17/25 11:52	10/22/25 22:09	1
Indeno[1,2,3-cd]pyrene	ND		9.87	1.09	ug/L		10/17/25 11:52	10/22/25 22:09	1
Isophorone	ND		9.87	0.789	ug/L		10/17/25 11:52	10/22/25 22:09	1
Naphthalene	ND		9.87	0.740	ug/L		10/17/25 11:52	10/22/25 22:09	1
Nitrobenzene	ND		9.87	0.592	ug/L		10/17/25 11:52	10/22/25 22:09	1
N-Nitrosodi-n-propylamine	ND		9.87	0.326	ug/L		10/17/25 11:52	10/22/25 22:09	1

Client Sample ID: MW-7

Date Collected: 10/14/25 09:40
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38112-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		9.87	0.188	ug/L		10/17/25 11:52	10/22/25 22:09	1
Pentachlorophenol	ND		9.87	2.76	ug/L		10/17/25 11:52	10/22/25 22:09	1
Phenanthrene	ND		9.87	0.730	ug/L		10/17/25 11:52	10/22/25 22:09	1
Phenol	ND		9.87	0.671	ug/L		10/17/25 11:52	10/22/25 22:09	1
Pyrene	ND		9.87	0.622	ug/L		10/17/25 11:52	10/22/25 22:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*126*		*10 - 150*	*10/17/25 11:52*	*10/22/25 22:09*	*1*
2-Fluorobiphenyl (Surr)	*94*		*25 - 139*	*10/17/25 11:52*	*10/22/25 22:09*	*1*
2-Fluorophenol (Surr)	*89*		*10 - 150*	*10/17/25 11:52*	*10/22/25 22:09*	*1*
Nitrobenzene-d5 (Surr)	*134*		*22 - 150*	*10/17/25 11:52*	*10/22/25 22:09*	*1*
Phenol-d5 (Surr)	*81*		*10 - 150*	*10/17/25 11:52*	*10/22/25 22:09*	*1*
Terphenyl-d14 (Surr)	*78*		*28 - 150*	*10/17/25 11:52*	*10/22/25 22:09*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**3.52**		1.00	0.390	mg/L			10/24/25 02:40	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		10/21/25 07:05	10/22/25 23:03	1
Arsenic	ND		5.00	1.32	ug/L		10/21/25 07:05	10/23/25 20:01	1
Barium	**417**	**B**	10.0	0.410	ug/L		10/21/25 07:05	10/22/25 23:03	1
Beryllium	ND		1.00	0.147	ug/L		10/21/25 07:05	10/22/25 23:03	1
Cadmium	ND		0.700	0.237	ug/L		10/21/25 07:05	10/22/25 23:03	1
Chromium	ND		5.00	3.69	ug/L		10/21/25 07:05	10/22/25 23:03	1
Cobalt	**0.531**	**J B**	5.00	0.411	ug/L		10/21/25 07:05	10/22/25 23:03	1
Copper	ND		2.00	0.642	ug/L		10/21/25 07:05	10/22/25 23:03	1
Lead	ND	^+	1.00	0.864	ug/L		10/21/25 07:05	10/22/25 23:03	1
Manganese	**59.9**		5.00	1.29	ug/L		10/21/25 07:05	10/22/25 23:03	1
Nickel	**1.07**	**J B**	5.00	0.422	ug/L		10/21/25 07:05	10/22/25 23:03	1
Selenium	ND		5.00	2.29	ug/L		10/21/25 07:05	10/23/25 20:01	1
Silver	ND		1.00	0.167	ug/L		10/21/25 07:05	10/23/25 20:01	1
Thallium	ND		1.00	0.190	ug/L		10/21/25 07:05	10/22/25 23:03	1
Vanadium	**2.02**	**J**	5.00	1.22	ug/L		10/21/25 07:05	10/22/25 23:03	1
Zinc	ND		10.0	8.91	ug/L		10/21/25 07:05	10/22/25 23:03	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.226**		0.200	0.166	ug/L		10/23/25 08:45	10/23/25 19:44	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			10/21/25 13:44	1
Nitrite as N (EPA 353.2)	**0.0857**	**J**	0.100	0.0168	mg/L			10/15/25 14:33	1
Nitrate as N (SM Nitrate by calc)	**15.1**		0.100	0.0250	mg/L			10/21/25 09:23	1
Nitrate Nitrite as N (SM 4500 NO3 F)	**15.2**		0.500	0.180	mg/L			10/17/25 18:08	10

Client Sample ID: 101425-Dup 1

Date Collected: 10/14/25 00:00
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38112-3

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			10/22/25 21:03	1
Benzene	ND		1.00	0.500	ug/L			10/22/25 21:03	1
Bromobenzene	ND		1.00	0.540	ug/L			10/22/25 21:03	1
Bromoform	ND		5.00	0.250	ug/L			10/22/25 21:03	1
Bromomethane	ND	*+	1.00	0.980	ug/L			10/22/25 21:03	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			10/22/25 21:03	1
Carbon disulfide	ND		1.00	0.500	ug/L			10/22/25 21:03	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			10/22/25 21:03	1
Chlorobenzene	ND		1.00	0.420	ug/L			10/22/25 21:03	1
Chlorobromomethane	ND		1.00	0.520	ug/L			10/22/25 21:03	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			10/22/25 21:03	1
Chloroethane	ND		1.00	0.760	ug/L			10/22/25 21:03	1
Chloroform	ND		1.00	0.900	ug/L			10/22/25 21:03	1
Chloromethane	ND		1.00	0.400	ug/L			10/22/25 21:03	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			10/22/25 21:03	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			10/22/25 21:03	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			10/22/25 21:03	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			10/22/25 21:03	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			10/22/25 21:03	1
Dibromomethane	ND		5.00	0.220	ug/L			10/22/25 21:03	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			10/22/25 21:03	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			10/22/25 21:03	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			10/22/25 21:03	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			10/22/25 21:03	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			10/22/25 21:03	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			10/22/25 21:03	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			10/22/25 21:03	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			10/22/25 21:03	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			10/22/25 21:03	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			10/22/25 21:03	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			10/22/25 21:03	1
Ethyl acetate	ND		10.0	6.14	ug/L			10/22/25 21:03	1
Ethylbenzene	ND		1.00	0.500	ug/L			10/22/25 21:03	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			10/22/25 21:03	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			10/22/25 21:03	1
Hexane	ND		1.00	0.960	ug/L			10/22/25 21:03	1
2-Hexanone	ND		25.0	4.26	ug/L			10/22/25 21:03	1
Iodomethane	ND		1.00	0.900	ug/L			10/22/25 21:03	1
Isopropylbenzene	ND		1.00	0.530	ug/L			10/22/25 21:03	1
Isopropyl ether	ND		1.00	0.740	ug/L			10/22/25 21:03	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			10/22/25 21:03	1
Methylene Chloride	ND		5.00	4.00	ug/L			10/22/25 21:03	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			10/22/25 21:03	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			10/22/25 21:03	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			10/22/25 21:03	1
Naphthalene	ND		5.00	3.00	ug/L			10/22/25 21:03	1
n-Butylbenzene	ND		1.00	0.760	ug/L			10/22/25 21:03	1
n-Heptane	ND		1.00	0.210	ug/L			10/22/25 21:03	1
N-Propylbenzene	ND		1.00	0.690	ug/L			10/22/25 21:03	1

Client: S&ME Inc
Job ID: 752-38112-1
Project/Site: East End Park, Durham, NC

Client Sample ID: 101425-Dup 1
Lab Sample ID: 752-38112-3
Date Collected: 10/14/25 00:00
Matrix: Water
Date Received: 10/15/25 08:00

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			10/22/25 21:03	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			10/22/25 21:03	1
Styrene	ND		1.00	1.00	ug/L			10/22/25 21:03	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			10/22/25 21:03	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			10/22/25 21:03	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			10/22/25 21:03	1
Tetrachloroethene	ND		1.00	0.330	ug/L			10/22/25 21:03	1
Toluene	ND		1.00	0.900	ug/L			10/22/25 21:03	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			10/22/25 21:03	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			10/22/25 21:03	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			10/22/25 21:03	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			10/22/25 21:03	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			10/22/25 21:03	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			10/22/25 21:03	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			10/22/25 21:03	1
Trichloroethene	ND		1.00	0.150	ug/L			10/22/25 21:03	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			10/22/25 21:03	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			10/22/25 21:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			10/22/25 21:03	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			10/22/25 21:03	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			10/22/25 21:03	1
Vinyl acetate	ND		25.0	0.930	ug/L			10/22/25 21:03	1
Vinyl chloride	ND		1.00	0.500	ug/L			10/22/25 21:03	1
Xylenes, Total	ND		10.0	6.00	ug/L			10/22/25 21:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*56 - 136*		*10/22/25 21:03*	*1*
Dibromofluoromethane	*99*		*79 - 130*		*10/22/25 21:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*59 - 146*		*10/22/25 21:03*	*1*
Toluene-d8 (Surr)	*100*		*64 - 132*		*10/22/25 21:03*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.282	0.282	ug/L		10/17/25 16:48	10/20/25 18:08	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*25*		*10 - 140*	*10/17/25 16:48*	*10/20/25 18:08*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.93	0.417	ug/L		10/17/25 11:52	10/22/25 22:42	1
2,4,5-Trichlorophenol	ND		9.93	0.536	ug/L		10/17/25 11:52	10/22/25 22:42	1
2,4,6-Trichlorophenol	ND		9.93	1.08	ug/L		10/17/25 11:52	10/22/25 22:42	1
2,4-Dichlorophenol	ND		9.93	0.566	ug/L		10/17/25 11:52	10/22/25 22:42	1
2,4-Dimethylphenol	ND		9.93	0.238	ug/L		10/17/25 11:52	10/22/25 22:42	1
2,4-Dinitrophenol	ND		29.8	4.65	ug/L		10/17/25 11:52	10/22/25 22:42	1
2,4-Dinitrotoluene	ND		9.93	0.646	ug/L		10/17/25 11:52	10/22/25 22:42	1
2,6-Dinitrotoluene	ND		9.93	0.288	ug/L		10/17/25 11:52	10/22/25 22:42	1
2-Chloronaphthalene	ND		9.93	0.377	ug/L		10/17/25 11:52	10/22/25 22:42	1
2-Chlorophenol	ND		9.93	0.834	ug/L		10/17/25 11:52	10/22/25 22:42	1
2-Methylnaphthalene	ND		9.93	0.805	ug/L		10/17/25 11:52	10/22/25 22:42	1

Client Sample ID: 101425-Dup 1
Lab Sample ID: 752-38112-3

Date Collected: 10/14/25 00:00
Matrix: Water
Date Received: 10/15/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		9.93	0.755	ug/L		10/17/25 11:52	10/22/25 22:42	1
2-Nitroaniline	ND		9.93	1.36	ug/L		10/17/25 11:52	10/22/25 22:42	1
2-Nitrophenol	ND		9.93	1.16	ug/L		10/17/25 11:52	10/22/25 22:42	1
3 & 4 Methylphenol	ND		19.9	4.57	ug/L		10/17/25 11:52	10/22/25 22:42	1
3,3'-Dichlorobenzidine	ND		10.9	0.407	ug/L		10/17/25 11:52	10/22/25 22:42	1
3-Nitroaniline	ND		9.93	0.944	ug/L		10/17/25 11:52	10/22/25 22:42	1
4,6-Dinitro-2-methylphenol	ND		9.93	1.96	ug/L		10/17/25 11:52	10/22/25 22:42	1
4-Bromophenyl phenyl ether	ND		9.93	0.129	ug/L		10/17/25 11:52	10/22/25 22:42	1
4-Chloro-3-methylphenol	ND		9.93	0.725	ug/L		10/17/25 11:52	10/22/25 22:42	1
4-Chloroaniline	ND		9.93	0.576	ug/L		10/17/25 11:52	10/22/25 22:42	1
4-Chlorophenyl phenyl ether	ND		9.93	0.238	ug/L		10/17/25 11:52	10/22/25 22:42	1
4-Nitroaniline	ND		9.93	3.48	ug/L		10/17/25 11:52	10/22/25 22:42	1
4-Nitrophenol	ND		9.93	2.72	ug/L		10/17/25 11:52	10/22/25 22:42	1
Acenaphthene	ND		9.93	0.626	ug/L		10/17/25 11:52	10/22/25 22:42	1
Acenaphthylene	ND		9.93	0.755	ug/L		10/17/25 11:52	10/22/25 22:42	1
Acetophenone	ND		9.93	3.18	ug/L		10/17/25 11:52	10/22/25 22:42	1
Anthracene	ND		9.93	0.904	ug/L		10/17/25 11:52	10/22/25 22:42	1
Atrazine	ND		9.93	1.12	ug/L		10/17/25 11:52	10/22/25 22:42	1
Benzaldehyde	ND		9.93	0.666	ug/L		10/17/25 11:52	10/22/25 22:42	1
Benzo[a]anthracene	ND		9.93	0.993	ug/L		10/17/25 11:52	10/22/25 22:42	1
Benzo[a]pyrene	ND		9.93	1.09	ug/L		10/17/25 11:52	10/22/25 22:42	1
Benzo[b]fluoranthene	ND		9.93	1.19	ug/L		10/17/25 11:52	10/22/25 22:42	1
Benzo[g,h,i]perylene	ND		9.93	1.49	ug/L		10/17/25 11:52	10/22/25 22:42	1
Benzo[k]fluoranthene	ND		9.93	1.49	ug/L		10/17/25 11:52	10/22/25 22:42	1
bis (2-chloroisopropyl) ether	ND		9.93	0.924	ug/L		10/17/25 11:52	10/22/25 22:42	1
Bis(2-chloroethoxy)methane	ND		9.93	0.338	ug/L		10/17/25 11:52	10/22/25 22:42	1
Bis(2-chloroethyl)ether	ND		9.93	0.725	ug/L		10/17/25 11:52	10/22/25 22:42	1
Bis(2-ethylhexyl) phthalate	ND		9.93	3.97	ug/L		10/17/25 11:52	10/22/25 22:42	1
Butyl benzyl phthalate	ND		9.93	3.97	ug/L		10/17/25 11:52	10/22/25 22:42	1
Caprolactam	ND	*+	9.93	2.38	ug/L		10/17/25 11:52	10/22/25 22:42	1
Carbazole	ND		9.93	0.318	ug/L		10/17/25 11:52	10/22/25 22:42	1
Chrysene	ND		9.93	1.19	ug/L		10/17/25 11:52	10/22/25 22:42	1
Dibenz(a,h)anthracene	ND		9.93	1.29	ug/L		10/17/25 11:52	10/22/25 22:42	1
Dibenzofuran	ND		9.93	0.636	ug/L		10/17/25 11:52	10/22/25 22:42	1
Diethyl phthalate	ND		9.93	3.97	ug/L		10/17/25 11:52	10/22/25 22:42	1
Dimethyl phthalate	ND		9.93	3.97	ug/L		10/17/25 11:52	10/22/25 22:42	1
Di-n-butyl phthalate	ND		9.93	8.14	ug/L		10/17/25 11:52	10/22/25 22:42	1
Di-n-octyl phthalate	ND		9.93	3.97	ug/L		10/17/25 11:52	10/22/25 22:42	1
Fluoranthene	ND		9.93	0.626	ug/L		10/17/25 11:52	10/22/25 22:42	1
Fluorene	ND		9.93	0.666	ug/L		10/17/25 11:52	10/22/25 22:42	1
Hexachlorobenzene	ND		9.93	0.248	ug/L		10/17/25 11:52	10/22/25 22:42	1
Hexachlorobutadiene	ND		9.93	0.546	ug/L		10/17/25 11:52	10/22/25 22:42	1
Hexachlorocyclopentadiene	ND		19.9	0.318	ug/L		10/17/25 11:52	10/22/25 22:42	1
Hexachloroethane	ND		9.93	0.526	ug/L		10/17/25 11:52	10/22/25 22:42	1
Indeno[1,2,3-cd]pyrene	ND		9.93	1.09	ug/L		10/17/25 11:52	10/22/25 22:42	1
Isophorone	ND		9.93	0.795	ug/L		10/17/25 11:52	10/22/25 22:42	1
Naphthalene	ND		9.93	0.745	ug/L		10/17/25 11:52	10/22/25 22:42	1
Nitrobenzene	ND		9.93	0.596	ug/L		10/17/25 11:52	10/22/25 22:42	1
N-Nitrosodi-n-propylamine	ND		9.93	0.328	ug/L		10/17/25 11:52	10/22/25 22:42	1

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38112-1

Client Sample ID: 101425-Dup 1

Date Collected: 10/14/25 00:00
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38112-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		9.93	0.189	ug/L		10/17/25 11:52	10/22/25 22:42	1
Pentachlorophenol	ND		9.93	2.78	ug/L		10/17/25 11:52	10/22/25 22:42	1
Phenanthrene	ND		9.93	0.735	ug/L		10/17/25 11:52	10/22/25 22:42	1
Phenol	ND		9.93	0.675	ug/L		10/17/25 11:52	10/22/25 22:42	1
Pyrene	ND		9.93	0.626	ug/L		10/17/25 11:52	10/22/25 22:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*120*		*10 - 150*	*10/17/25 11:52*	*10/22/25 22:42*	*1*
2-Fluorobiphenyl (Surr)	*90*		*25 - 139*	*10/17/25 11:52*	*10/22/25 22:42*	*1*
2-Fluorophenol (Surr)	*72*		*10 - 150*	*10/17/25 11:52*	*10/22/25 22:42*	*1*
Nitrobenzene-d5 (Surr)	*119*		*22 - 150*	*10/17/25 11:52*	*10/22/25 22:42*	*1*
Phenol-d5 (Surr)	*62*		*10 - 150*	*10/17/25 11:52*	*10/22/25 22:42*	*1*
Terphenyl-d14 (Surr)	*70*		*28 - 150*	*10/17/25 11:52*	*10/22/25 22:42*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**3.55**		1.00	0.390	mg/L			10/24/25 02:48	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	2.45	ug/L		10/21/25 07:05	10/22/25 23:09	1
Arsenic	ND		5.00	1.32	ug/L		10/21/25 07:05	10/23/25 20:04	1
Barium	**447**	**B**	10.0	0.410	ug/L		10/21/25 07:05	10/22/25 23:09	1
Beryllium	ND		1.00	0.147	ug/L		10/21/25 07:05	10/22/25 23:09	1
Cadmium	ND		0.700	0.237	ug/L		10/21/25 07:05	10/22/25 23:09	1
Chromium	ND		5.00	3.69	ug/L		10/21/25 07:05	10/22/25 23:09	1
Cobalt	**0.677**	**J B**	5.00	0.411	ug/L		10/21/25 07:05	10/22/25 23:09	1
Copper	**0.789**	**J B**	2.00	0.642	ug/L		10/21/25 07:05	10/22/25 23:09	1
Lead	ND	^+	1.00	0.864	ug/L		10/21/25 07:05	10/22/25 23:09	1
Manganese	**80.0**		5.00	1.29	ug/L		10/21/25 07:05	10/22/25 23:09	1
Nickel	**0.964**	**J B**	5.00	0.422	ug/L		10/21/25 07:05	10/22/25 23:09	1
Selenium	ND		5.00	2.29	ug/L		10/21/25 07:05	10/23/25 20:04	1
Silver	ND		1.00	0.167	ug/L		10/21/25 07:05	10/23/25 20:04	1
Thallium	ND		1.00	0.190	ug/L		10/21/25 07:05	10/22/25 23:09	1
Vanadium	**2.28**	**J**	5.00	1.22	ug/L		10/21/25 07:05	10/22/25 23:09	1
Zinc	ND		10.0	8.91	ug/L		10/21/25 07:05	10/22/25 23:09	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		10/23/25 08:45	10/23/25 19:48	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			10/21/25 13:46	1
Nitrite as N (EPA 353.2)	**0.125**		0.100	0.0168	mg/L			10/15/25 14:36	1
Nitrate as N (SM Nitrate by calc)	**5.74**		0.100	0.0250	mg/L			10/21/25 09:23	1
Nitrate Nitrite as N (SM 4500 NO3 F)	**5.86**		0.250	0.0900	mg/L			10/17/25 18:09	5

Client: S&ME Inc
Job ID: 752-38112-1
Project/Site: East End Park, Durham, NC

Client Sample ID: Trip Blank
Lab Sample ID: 752-38112-4
Date Collected: 10/14/25 09:40
Matrix: Water
Date Received: 10/15/25 08:00

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			10/22/25 21:28	1
Benzene	ND		1.00	0.500	ug/L			10/22/25 21:28	1
Bromobenzene	ND		1.00	0.540	ug/L			10/22/25 21:28	1
Bromoform	ND		5.00	0.250	ug/L			10/22/25 21:28	1
Bromomethane	ND	*+	1.00	0.980	ug/L			10/22/25 21:28	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			10/22/25 21:28	1
Carbon disulfide	ND		1.00	0.500	ug/L			10/22/25 21:28	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			10/22/25 21:28	1
Chlorobenzene	ND		1.00	0.420	ug/L			10/22/25 21:28	1
Chlorobromomethane	ND		1.00	0.520	ug/L			10/22/25 21:28	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			10/22/25 21:28	1
Chloroethane	ND		1.00	0.760	ug/L			10/22/25 21:28	1
Chloroform	ND		1.00	0.900	ug/L			10/22/25 21:28	1
Chloromethane	ND		1.00	0.400	ug/L			10/22/25 21:28	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			10/22/25 21:28	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			10/22/25 21:28	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			10/22/25 21:28	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			10/22/25 21:28	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			10/22/25 21:28	1
Dibromomethane	ND		5.00	0.220	ug/L			10/22/25 21:28	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			10/22/25 21:28	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			10/22/25 21:28	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			10/22/25 21:28	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			10/22/25 21:28	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			10/22/25 21:28	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			10/22/25 21:28	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			10/22/25 21:28	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			10/22/25 21:28	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			10/22/25 21:28	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			10/22/25 21:28	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			10/22/25 21:28	1
Ethyl acetate	ND		10.0	6.14	ug/L			10/22/25 21:28	1
Ethylbenzene	ND		1.00	0.500	ug/L			10/22/25 21:28	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			10/22/25 21:28	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			10/22/25 21:28	1
Hexane	ND		1.00	0.960	ug/L			10/22/25 21:28	1
2-Hexanone	ND		25.0	4.26	ug/L			10/22/25 21:28	1
Iodomethane	ND		1.00	0.900	ug/L			10/22/25 21:28	1
Isopropylbenzene	ND		1.00	0.530	ug/L			10/22/25 21:28	1
Isopropyl ether	ND		1.00	0.740	ug/L			10/22/25 21:28	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			10/22/25 21:28	1
Methylene Chloride	ND		5.00	4.00	ug/L			10/22/25 21:28	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			10/22/25 21:28	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			10/22/25 21:28	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			10/22/25 21:28	1
Naphthalene	ND		5.00	3.00	ug/L			10/22/25 21:28	1
n-Butylbenzene	ND		1.00	0.760	ug/L			10/22/25 21:28	1
n-Heptane	ND		1.00	0.210	ug/L			10/22/25 21:28	1
N-Propylbenzene	ND		1.00	0.690	ug/L			10/22/25 21:28	1

Client: S&ME Inc
Job ID: 752-38112-1
Project/Site: East End Park, Durham, NC

Client Sample ID: Trip Blank
Lab Sample ID: 752-38112-4
Date Collected: 10/14/25 09:40
Matrix: Water
Date Received: 10/15/25 08:00

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			10/22/25 21:28	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			10/22/25 21:28	1
Styrene	ND		1.00	1.00	ug/L			10/22/25 21:28	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			10/22/25 21:28	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			10/22/25 21:28	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			10/22/25 21:28	1
Tetrachloroethene	ND		1.00	0.330	ug/L			10/22/25 21:28	1
Toluene	ND		1.00	0.900	ug/L			10/22/25 21:28	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			10/22/25 21:28	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			10/22/25 21:28	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			10/22/25 21:28	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			10/22/25 21:28	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			10/22/25 21:28	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			10/22/25 21:28	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			10/22/25 21:28	1
Trichloroethene	ND		1.00	0.150	ug/L			10/22/25 21:28	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			10/22/25 21:28	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			10/22/25 21:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			10/22/25 21:28	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			10/22/25 21:28	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			10/22/25 21:28	1
Vinyl acetate	ND		25.0	0.930	ug/L			10/22/25 21:28	1
Vinyl chloride	ND		1.00	0.500	ug/L			10/22/25 21:28	1
Xylenes, Total	ND		10.0	6.00	ug/L			10/22/25 21:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*56 - 136*		*10/22/25 21:28*	*1*
Dibromofluoromethane	*100*		*79 - 130*		*10/22/25 21:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*59 - 146*		*10/22/25 21:28*	*1*
Toluene-d8 (Surr)	*97*		*64 - 132*		*10/22/25 21:28*	*1*

Surrogate Summary

Client: S&ME Inc
Job ID: 752-38112-1
Project/Site: East End Park, Durham, NC

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(56-136)	(79-130)	(59-146)	(64-132)
752-38112-1	MW-5	103	108	107	102
752-38112-1 MS	MW-5	97	102	102	103
752-38112-1 MSD	MW-5	93	105	98	102
752-38112-2	MW-7	102	99	106	98
752-38112-3	101425-Dup 1	101	99	104	100
752-38112-4	Trip Blank	101	100	104	97
LCS 400-727676/1003	Lab Control Sample	97	99	103	94
LCS 400-727836/1002	Lab Control Sample	91	105	101	102
MB 400-727676/5	Method Blank	104	98	107	99
MB 400-727836/5	Method Blank	100	108	109	101

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(10-150)	(25-139)	(10-150)	(22-150)	(10-150)	(28-150)
752-38112-1	MW-5	97	82	82	82	67	64
752-38112-2	MW-7	126	94	89	134	81	78
752-38112-3	101425-Dup 1	120	90	72	119	62	70
LCS 400-727180/2-A	Lab Control Sample	90	74	107	82	109	95
LCSD 400-727180/3-A	Lab Control Sample Dup	91	72	99	77	100	88
MB 400-727180/1-A	Method Blank	82	76	99	81	92	92

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)

Isotope Dilution Summary

Client: S&ME Inc
Job ID: 752-38112-1
Project/Site: East End Park, Durham, NC

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)						
752-38112-1	MW-5	24						
752-38112-2	MW-7	24						
752-38112-3	101425-Dup 1	25						
LCS 400-727262/2-A	Lab Control Sample	25						
LCSD 400-727262/3-A	Lab Control Sample Dup	22						
MB 400-727262/1-A	Method Blank	30						

Surrogate Legend

DXE = 1,4-Dioxane-d8

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38112-1

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

Lab Sample ID: MB 400-727676/5
Matrix: Water
Analysis Batch: 727676

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			10/22/25 12:11	1
Benzene	ND		1.00	0.500	ug/L			10/22/25 12:11	1
Bromobenzene	ND		1.00	0.540	ug/L			10/22/25 12:11	1
Bromoform	ND		5.00	0.250	ug/L			10/22/25 12:11	1
Bromomethane	ND		1.00	0.980	ug/L			10/22/25 12:11	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			10/22/25 12:11	1
Carbon disulfide	ND		1.00	0.500	ug/L			10/22/25 12:11	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			10/22/25 12:11	1
Chlorobenzene	ND		1.00	0.420	ug/L			10/22/25 12:11	1
Chlorobromomethane	ND		1.00	0.520	ug/L			10/22/25 12:11	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			10/22/25 12:11	1
Chloroethane	ND		1.00	0.760	ug/L			10/22/25 12:11	1
Chloroform	ND		1.00	0.900	ug/L			10/22/25 12:11	1
Chloromethane	ND		1.00	0.400	ug/L			10/22/25 12:11	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			10/22/25 12:11	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			10/22/25 12:11	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			10/22/25 12:11	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			10/22/25 12:11	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			10/22/25 12:11	1
Dibromomethane	ND		5.00	0.220	ug/L			10/22/25 12:11	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			10/22/25 12:11	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			10/22/25 12:11	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			10/22/25 12:11	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			10/22/25 12:11	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			10/22/25 12:11	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			10/22/25 12:11	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			10/22/25 12:11	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			10/22/25 12:11	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			10/22/25 12:11	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			10/22/25 12:11	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			10/22/25 12:11	1
Ethyl acetate	ND		10.0	6.14	ug/L			10/22/25 12:11	1
Ethylbenzene	ND		1.00	0.500	ug/L			10/22/25 12:11	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			10/22/25 12:11	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			10/22/25 12:11	1
Hexane	ND		1.00	0.960	ug/L			10/22/25 12:11	1
2-Hexanone	ND		25.0	4.26	ug/L			10/22/25 12:11	1
Iodomethane	ND		1.00	0.900	ug/L			10/22/25 12:11	1
Isopropylbenzene	ND		1.00	0.530	ug/L			10/22/25 12:11	1
Isopropyl ether	ND		1.00	0.740	ug/L			10/22/25 12:11	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			10/22/25 12:11	1
Methylene Chloride	ND		5.00	4.00	ug/L			10/22/25 12:11	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			10/22/25 12:11	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			10/22/25 12:11	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			10/22/25 12:11	1
Naphthalene	ND		5.00	3.00	ug/L			10/22/25 12:11	1
n-Butylbenzene	ND		1.00	0.760	ug/L			10/22/25 12:11	1
n-Heptane	ND		1.00	0.210	ug/L			10/22/25 12:11	1

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

Lab Sample ID: MB 400-727676/5
Matrix: Water
Analysis Batch: 727676

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			10/22/25 12:11	1
o-Xylene	ND		5.00	3.00	ug/L			10/22/25 12:11	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			10/22/25 12:11	1
Styrene	ND		1.00	1.00	ug/L			10/22/25 12:11	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			10/22/25 12:11	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			10/22/25 12:11	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			10/22/25 12:11	1
Tetrachloroethene	ND		1.00	0.330	ug/L			10/22/25 12:11	1
Toluene	ND		1.00	0.900	ug/L			10/22/25 12:11	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			10/22/25 12:11	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			10/22/25 12:11	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			10/22/25 12:11	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			10/22/25 12:11	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			10/22/25 12:11	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			10/22/25 12:11	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			10/22/25 12:11	1
Trichloroethene	ND		1.00	0.150	ug/L			10/22/25 12:11	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			10/22/25 12:11	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			10/22/25 12:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			10/22/25 12:11	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			10/22/25 12:11	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			10/22/25 12:11	1
Vinyl acetate	ND		25.0	0.930	ug/L			10/22/25 12:11	1
Vinyl chloride	ND		1.00	0.500	ug/L			10/22/25 12:11	1
Xylenes, Total	ND		10.0	6.00	ug/L			10/22/25 12:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*56 - 136*		*10/22/25 12:11*	*1*
Dibromofluoromethane	*98*		*79 - 130*		*10/22/25 12:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*59 - 146*		*10/22/25 12:11*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*10/22/25 12:11*	*1*

Lab Sample ID: LCS 400-727676/1003
Matrix: Water
Analysis Batch: 727676

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	249.4		ug/L		125	43 - 150
Benzene	50.0	50.41		ug/L		101	70 - 130
Bromobenzene	50.0	44.17		ug/L		88	70 - 132
Bromoform	50.0	40.76		ug/L		82	57 - 140
Bromomethane	50.0	109.3	*+	ug/L		219	10 - 150
2-Butanone (MEK)	200	257.0		ug/L		129	61 - 145
Carbon disulfide	50.0	47.15		ug/L		94	61 - 137
Carbon tetrachloride	50.0	46.93		ug/L		94	61 - 137
Chlorobenzene	50.0	46.01		ug/L		92	70 - 130
Chlorobromomethane	50.0	44.04		ug/L		88	70 - 130
Chlorodibromomethane	50.0	42.73		ug/L		85	67 - 135

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

Lab Sample ID: LCS 400-727676/1003
Matrix: Water
Analysis Batch: 727676

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	69.69		ug/L		139	55 - 141
Chloroform	50.0	49.31		ug/L		99	69 - 130
Chloromethane	50.0	52.36		ug/L		105	58 - 137
2-Chlorotoluene	50.0	50.44		ug/L		101	70 - 130
4-Chlorotoluene	50.0	50.03		ug/L		100	70 - 130
cis-1,2-Dichloroethene	50.0	49.06		ug/L		98	68 - 130
cis-1,3-Dichloropropene	50.0	48.46		ug/L		97	69 - 132
1,2-Dibromo-3-Chloropropane	50.0	34.56		ug/L		69	54 - 135
Dibromomethane	50.0	47.45		ug/L		95	70 - 130
1,2-Dichlorobenzene	50.0	44.20		ug/L		88	67 - 130
1,3-Dichlorobenzene	50.0	47.08		ug/L		94	70 - 130
1,4-Dichlorobenzene	50.0	46.45		ug/L		93	70 - 130
Dichlorobromomethane	50.0	48.74		ug/L		97	67 - 133
1,1-Dichloroethane	50.0	50.49		ug/L		101	70 - 130
1,2-Dichloroethane	50.0	51.07		ug/L		102	69 - 130
1,1-Dichloroethene	50.0	47.30		ug/L		95	63 - 134
1,2-Dichloropropane	50.0	52.06		ug/L		104	70 - 130
1,3-Dichloropropane	50.0	46.09		ug/L		92	70 - 130
2,2-Dichloropropane	50.0	46.73		ug/L		93	52 - 135
1,1-Dichloropropene	50.0	50.13		ug/L		100	70 - 130
Ethyl acetate	100	82.18		ug/L		82	34 - 150
Ethylbenzene	50.0	48.50		ug/L		97	70 - 130
Ethylene Dibromide	50.0	41.95		ug/L		84	70 - 130
Hexachlorobutadiene	50.0	49.92		ug/L		100	53 - 140
Hexane	50.0	51.13		ug/L		102	69 - 130
2-Hexanone	200	246.3		ug/L		123	65 - 137
Iodomethane	50.0	20.65		ug/L		41	27 - 150
Isopropylbenzene	50.0	47.27		ug/L		95	70 - 130
Isopropyl ether	50.0	50.39		ug/L		101	64 - 132
4-Isopropyltoluene	50.0	50.14		ug/L		100	65 - 130
Methylene Chloride	50.0	45.77		ug/L		92	66 - 135
4-Methyl-2-pentanone (MIBK)	200	205.0		ug/L		103	69 - 138
Methyl tert-butyl ether	50.0	45.38		ug/L		91	66 - 130
m-Xylene & p-Xylene	50.0	47.43		ug/L		95	70 - 130
Naphthalene	50.0	40.15		ug/L		80	47 - 149
n-Butylbenzene	50.0	53.06		ug/L		106	67 - 130
n-Heptane	50.0	51.00		ug/L		102	70 - 130
N-Propylbenzene	50.0	48.39		ug/L		97	70 - 130
o-Xylene	50.0	47.45		ug/L		95	70 - 130
sec-Butylbenzene	50.0	50.68		ug/L		101	66 - 130
Styrene	50.0	46.47		ug/L		93	70 - 130
tert-Butylbenzene	50.0	49.35		ug/L		99	64 - 139
1,1,1,2-Tetrachloroethane	50.0	45.29		ug/L		91	67 - 131
1,1,2,2-Tetrachloroethane	50.0	44.28		ug/L		89	70 - 131
Tetrachloroethene	50.0	42.12		ug/L		84	65 - 130
Toluene	50.0	45.19		ug/L		90	70 - 130
trans-1,4-Dichloro-2-butene	50.0	42.55		ug/L		85	57 - 140
trans-1,2-Dichloroethene	50.0	48.50		ug/L		97	70 - 130
trans-1,3-Dichloropropene	50.0	43.69		ug/L		87	63 - 130

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

Lab Sample ID: LCS 400-727676/1003
Matrix: Water
Analysis Batch: 727676

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichlorobenzene	50.0	45.62		ug/L		91	60 - 138
1,2,4-Trichlorobenzene	50.0	45.16		ug/L		90	60 - 140
1,1,1-Trichloroethane	50.0	46.59		ug/L		93	68 - 130
1,1,2-Trichloroethane	50.0	44.24		ug/L		88	70 - 130
Trichloroethene	50.0	45.86		ug/L		92	70 - 130
Trichlorofluoromethane	50.0	52.07		ug/L		104	65 - 138
1,2,3-Trichloropropane	50.0	41.15		ug/L		82	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	45.15		ug/L		90	60 - 139
1,2,4-Trimethylbenzene	50.0	49.68		ug/L		99	70 - 130
1,3,5-Trimethylbenzene	50.0	49.75		ug/L		100	69 - 130
Vinyl acetate	100	109.4		ug/L		109	26 - 150
Vinyl chloride	50.0	57.45		ug/L		115	59 - 136
Xylenes, Total	100	94.88		ug/L		95	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*97*		*56 - 136*
Dibromofluoromethane	*99*		*79 - 130*
1,2-Dichloroethane-d4 (Surr)	*103*		*59 - 146*
Toluene-d8 (Surr)	*94*		*64 - 132*

Lab Sample ID: MB 400-727836/5
Matrix: Water
Analysis Batch: 727836

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			10/23/25 12:12	1
Benzene	ND		1.00	0.500	ug/L			10/23/25 12:12	1
Bromobenzene	ND		1.00	0.540	ug/L			10/23/25 12:12	1
Bromoform	ND		5.00	0.250	ug/L			10/23/25 12:12	1
Bromomethane	ND		1.00	0.980	ug/L			10/23/25 12:12	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			10/23/25 12:12	1
Carbon disulfide	ND		1.00	0.500	ug/L			10/23/25 12:12	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			10/23/25 12:12	1
Chlorobenzene	ND		1.00	0.420	ug/L			10/23/25 12:12	1
Chlorobromomethane	ND		1.00	0.520	ug/L			10/23/25 12:12	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			10/23/25 12:12	1
Chloroethane	ND		1.00	0.760	ug/L			10/23/25 12:12	1
Chloroform	ND		1.00	0.900	ug/L			10/23/25 12:12	1
Chloromethane	ND		1.00	0.400	ug/L			10/23/25 12:12	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			10/23/25 12:12	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			10/23/25 12:12	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			10/23/25 12:12	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			10/23/25 12:12	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			10/23/25 12:12	1
Dibromomethane	ND		5.00	0.220	ug/L			10/23/25 12:12	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			10/23/25 12:12	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			10/23/25 12:12	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			10/23/25 12:12	1

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

Lab Sample ID: MB 400-727836/5
Matrix: Water
Analysis Batch: 727836

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		1.00	0.500	ug/L			10/23/25 12:12	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			10/23/25 12:12	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			10/23/25 12:12	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			10/23/25 12:12	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 12:12	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 12:12	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 12:12	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			10/23/25 12:12	1
Ethyl acetate	ND		10.0	6.14	ug/L			10/23/25 12:12	1
Ethylbenzene	ND		1.00	0.500	ug/L			10/23/25 12:12	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			10/23/25 12:12	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			10/23/25 12:12	1
Hexane	ND		1.00	0.960	ug/L			10/23/25 12:12	1
2-Hexanone	ND		25.0	4.26	ug/L			10/23/25 12:12	1
Iodomethane	ND		1.00	0.900	ug/L			10/23/25 12:12	1
Isopropylbenzene	ND		1.00	0.530	ug/L			10/23/25 12:12	1
Isopropyl ether	ND		1.00	0.740	ug/L			10/23/25 12:12	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			10/23/25 12:12	1
Methylene Chloride	ND		5.00	4.00	ug/L			10/23/25 12:12	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			10/23/25 12:12	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			10/23/25 12:12	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			10/23/25 12:12	1
Naphthalene	ND		5.00	3.00	ug/L			10/23/25 12:12	1
n-Butylbenzene	ND		1.00	0.760	ug/L			10/23/25 12:12	1
n-Heptane	ND		1.00	0.210	ug/L			10/23/25 12:12	1
N-Propylbenzene	ND		1.00	0.690	ug/L			10/23/25 12:12	1
o-Xylene	ND		5.00	3.00	ug/L			10/23/25 12:12	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			10/23/25 12:12	1
Styrene	ND		1.00	1.00	ug/L			10/23/25 12:12	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			10/23/25 12:12	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			10/23/25 12:12	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			10/23/25 12:12	1
Tetrachloroethene	ND		1.00	0.330	ug/L			10/23/25 12:12	1
Toluene	ND		1.00	0.900	ug/L			10/23/25 12:12	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			10/23/25 12:12	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			10/23/25 12:12	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			10/23/25 12:12	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			10/23/25 12:12	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			10/23/25 12:12	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			10/23/25 12:12	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			10/23/25 12:12	1
Trichloroethene	ND		1.00	0.150	ug/L			10/23/25 12:12	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			10/23/25 12:12	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			10/23/25 12:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			10/23/25 12:12	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			10/23/25 12:12	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			10/23/25 12:12	1
Vinyl acetate	ND		25.0	0.930	ug/L			10/23/25 12:12	1
Vinyl chloride	ND		1.00	0.500	ug/L			10/23/25 12:12	1

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

Lab Sample ID: MB 400-727836/5
Matrix: Water
Analysis Batch: 727836

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			10/23/25 12:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*56 - 136*		*10/23/25 12:12*	*1*
Dibromofluoromethane	*108*		*79 - 130*		*10/23/25 12:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*59 - 146*		*10/23/25 12:12*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*10/23/25 12:12*	*1*

Lab Sample ID: LCS 400-727836/1002
Matrix: Water
Analysis Batch: 727836

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	366.6	*+	ug/L		183	43 - 150
Benzene	50.0	54.69		ug/L		109	70 - 130
Bromobenzene	50.0	51.26		ug/L		103	70 - 132
Bromoform	50.0	46.26		ug/L		93	57 - 140
Bromomethane	50.0	110.8	*+	ug/L		222	10 - 150
2-Butanone (MEK)	200	225.3		ug/L		113	61 - 145
Carbon disulfide	50.0	59.73		ug/L		119	61 - 137
Carbon tetrachloride	50.0	50.42		ug/L		101	61 - 137
Chlorobenzene	50.0	55.67		ug/L		111	70 - 130
Chlorobromomethane	50.0	56.11		ug/L		112	70 - 130
Chlorodibromomethane	50.0	53.95		ug/L		108	67 - 135
Chloroethane	50.0	69.64		ug/L		139	55 - 141
Chloroform	50.0	55.13		ug/L		110	69 - 130
Chloromethane	50.0	57.29		ug/L		115	58 - 137
2-Chlorotoluene	50.0	56.02		ug/L		112	70 - 130
4-Chlorotoluene	50.0	56.75		ug/L		114	70 - 130
cis-1,2-Dichloroethene	50.0	52.78		ug/L		106	68 - 130
cis-1,3-Dichloropropene	50.0	52.25		ug/L		104	69 - 132
1,2-Dibromo-3-Chloropropane	50.0	48.49		ug/L		97	54 - 135
Dibromomethane	50.0	56.75		ug/L		114	70 - 130
1,2-Dichlorobenzene	50.0	57.31		ug/L		115	67 - 130
1,3-Dichlorobenzene	50.0	56.62		ug/L		113	70 - 130
1,4-Dichlorobenzene	50.0	56.56		ug/L		113	70 - 130
Dichlorobromomethane	50.0	54.43		ug/L		109	67 - 133
1,1-Dichloroethane	50.0	51.46		ug/L		103	70 - 130
1,2-Dichloroethane	50.0	53.84		ug/L		108	69 - 130
1,1-Dichloroethene	50.0	57.37		ug/L		115	63 - 134
1,2-Dichloropropane	50.0	53.70		ug/L		107	70 - 130
1,3-Dichloropropane	50.0	54.58		ug/L		109	70 - 130
2,2-Dichloropropane	50.0	48.57		ug/L		97	52 - 135
1,1-Dichloropropene	50.0	52.96		ug/L		106	70 - 130
Ethyl acetate	100	96.48		ug/L		96	34 - 150
Ethylbenzene	50.0	58.14		ug/L		116	70 - 130
Ethylene Dibromide	50.0	54.73		ug/L		109	70 - 130
Hexachlorobutadiene	50.0	57.28		ug/L		115	53 - 140

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

Lab Sample ID: LCS 400-727836/1002
Matrix: Water
Analysis Batch: 727836

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Hexane	50.0	52.92		ug/L		106	69 - 130
2-Hexanone	200	195.6		ug/L		98	65 - 137
Iodomethane	50.0	50.09		ug/L		100	27 - 150
Isopropylbenzene	50.0	57.88		ug/L		116	70 - 130
Isopropyl ether	50.0	48.54		ug/L		97	64 - 132
4-Isopropyltoluene	50.0	59.31		ug/L		119	65 - 130
Methylene Chloride	50.0	55.43		ug/L		111	66 - 135
4-Methyl-2-pentanone (MIBK)	200	206.3		ug/L		103	69 - 138
Methyl tert-butyl ether	50.0	49.72		ug/L		99	66 - 130
m-Xylene & p-Xylene	50.0	54.72		ug/L		109	70 - 130
Naphthalene	50.0	47.44		ug/L		95	47 - 149
n-Butylbenzene	50.0	66.91	*+	ug/L		134	67 - 130
n-Heptane	50.0	48.70		ug/L		97	70 - 130
N-Propylbenzene	50.0	57.04		ug/L		114	70 - 130
o-Xylene	50.0	57.12		ug/L		114	70 - 130
sec-Butylbenzene	50.0	60.02		ug/L		120	66 - 130
Styrene	50.0	57.29		ug/L		115	70 - 130
tert-Butylbenzene	50.0	56.26		ug/L		113	64 - 139
1,1,1,2-Tetrachloroethane	50.0	54.20		ug/L		108	67 - 131
1,1,2,2-Tetrachloroethane	50.0	53.31		ug/L		107	70 - 131
Tetrachloroethene	50.0	50.89		ug/L		102	65 - 130
Toluene	50.0	54.58		ug/L		109	70 - 130
trans-1,4-Dichloro-2-butene	50.0	50.64		ug/L		101	57 - 140
trans-1,2-Dichloroethene	50.0	51.97		ug/L		104	70 - 130
trans-1,3-Dichloropropene	50.0	53.40		ug/L		107	63 - 130
1,2,3-Trichlorobenzene	50.0	49.87		ug/L		100	60 - 138
1,2,4-Trichlorobenzene	50.0	53.67		ug/L		107	60 - 140
1,1,1-Trichloroethane	50.0	51.51		ug/L		103	68 - 130
1,1,2-Trichloroethane	50.0	56.93		ug/L		114	70 - 130
Trichloroethene	50.0	51.06		ug/L		102	70 - 130
Trichlorofluoromethane	50.0	61.29		ug/L		123	65 - 138
1,2,3-Trichloropropane	50.0	52.15		ug/L		104	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	60.46		ug/L		121	60 - 139
1,2,4-Trimethylbenzene	50.0	57.04		ug/L		114	70 - 130
1,3,5-Trimethylbenzene	50.0	55.54		ug/L		111	69 - 130
Vinyl acetate	100	113.9		ug/L		114	26 - 150
Vinyl chloride	50.0	49.57		ug/L		99	59 - 136
Xylenes, Total	100	111.8		ug/L		112	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*91*		*56 - 136*
Dibromofluoromethane	*105*		*79 - 130*
1,2-Dichloroethane-d4 (Surr)	*101*		*59 - 146*
Toluene-d8 (Surr)	*102*		*64 - 132*

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

Lab Sample ID: 752-38112-1 MS
Matrix: Water
Analysis Batch: 727836

Client Sample ID: MW-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND	*+	200	170.3		ug/L		85	43 - 150
Benzene	ND		50.0	60.28		ug/L		121	56 - 142
Bromobenzene	ND		50.0	58.53		ug/L		117	59 - 136
Bromoform	ND		50.0	58.76		ug/L		118	50 - 140
Bromomethane	ND	*+ F1	50.0	90.26	F1	ug/L		181	10 - 150
2-Butanone (MEK)	ND		200	161.2		ug/L		81	55 - 150
Carbon disulfide	ND		50.0	63.64		ug/L		127	48 - 150
Carbon tetrachloride	ND		50.0	56.00		ug/L		112	55 - 145
Chlorobenzene	ND		50.0	58.45		ug/L		117	64 - 130
Chlorobromomethane	ND		50.0	61.80		ug/L		124	64 - 140
Chlorodibromomethane	ND		50.0	60.99		ug/L		122	56 - 143
Chloroethane	ND		50.0	59.50		ug/L		119	50 - 150
Chloroform	ND		50.0	61.24		ug/L		122	60 - 141
Chloromethane	ND		50.0	55.23		ug/L		110	49 - 148
2-Chlorotoluene	ND		50.0	58.22		ug/L		116	53 - 134
4-Chlorotoluene	ND		50.0	58.35		ug/L		117	54 - 133
cis-1,2-Dichloroethene	ND		50.0	58.74		ug/L		117	59 - 143
cis-1,3-Dichloropropene	ND		50.0	57.29		ug/L		115	57 - 140
1,2-Dibromo-3-Chloropropane	ND		50.0	56.94		ug/L		114	45 - 135
Dibromomethane	ND		50.0	63.62		ug/L		127	63 - 138
1,2-Dichlorobenzene	ND		50.0	59.84		ug/L		120	52 - 137
1,3-Dichlorobenzene	ND		50.0	56.80		ug/L		114	54 - 135
1,4-Dichlorobenzene	ND		50.0	57.80		ug/L		116	53 - 135
Dichlorobromomethane	ND		50.0	60.28		ug/L		121	59 - 143
1,1-Dichloroethane	ND		50.0	58.28		ug/L		117	61 - 144
1,2-Dichloroethane	ND		50.0	60.55		ug/L		121	60 - 141
1,1-Dichloroethene	ND		50.0	67.52		ug/L		135	54 - 147
1,2-Dichloropropane	ND		50.0	60.08		ug/L		120	66 - 137
1,3-Dichloropropane	ND		50.0	62.96		ug/L		126	66 - 133
2,2-Dichloropropane	ND		50.0	54.21		ug/L		108	42 - 144
1,1-Dichloropropene	ND		50.0	58.12		ug/L		116	65 - 136
Ethyl acetate	ND		100	108.5		ug/L		108	34 - 150
Ethylbenzene	ND		50.0	58.62		ug/L		117	58 - 131
Ethylene Dibromide	ND		50.0	62.23		ug/L		124	64 - 132
Hexachlorobutadiene	ND		50.0	38.00		ug/L		76	31 - 149
Hexane	ND		50.0	56.40		ug/L		113	60 - 142
2-Hexanone	ND	F1	200	157.8		ug/L		79	65 - 140
Iodomethane	ND		50.0	55.39		ug/L		111	20 - 150
Isopropylbenzene	ND		50.0	54.83		ug/L		110	56 - 133
Isopropyl ether	ND		50.0	49.57		ug/L		99	60 - 144
4-Isopropyltoluene	ND		50.0	51.97		ug/L		104	48 - 139
Methylene Chloride	ND		50.0	60.01		ug/L		120	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	230.1		ug/L		115	63 - 146
Methyl tert-butyl ether	ND		50.0	56.77		ug/L		114	59 - 137
m-Xylene & p-Xylene	ND		50.0	55.95		ug/L		112	57 - 130
Naphthalene	ND		50.0	53.98		ug/L		108	25 - 150
n-Butylbenzene	ND	*+	50.0	52.34		ug/L		105	41 - 142
n-Heptane	ND		50.0	52.09		ug/L		104	64 - 142

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

Lab Sample ID: 752-38112-1 MS
Matrix: Water
Analysis Batch: 727836

Client Sample ID: MW-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
N-Propylbenzene	ND		50.0	56.66		ug/L		113	51 - 138
o-Xylene	ND		50.0	56.47		ug/L		113	61 - 130
sec-Butylbenzene	ND		50.0	54.22		ug/L		108	50 - 138
Styrene	ND		50.0	56.84		ug/L		114	58 - 131
tert-Butylbenzene	ND		50.0	53.86		ug/L		108	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	58.45		ug/L		117	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	66.52		ug/L		133	66 - 135
Tetrachloroethene	ND		50.0	52.43		ug/L		105	52 - 133
Toluene	ND		50.0	58.84		ug/L		118	65 - 130
trans-1,4-Dichloro-2-butene	ND		50.0	66.26		ug/L		133	43 - 147
trans-1,2-Dichloroethene	ND		50.0	59.13		ug/L		118	61 - 143
trans-1,3-Dichloropropene	ND		50.0	61.72		ug/L		123	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	50.13		ug/L		100	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	50.35		ug/L		101	39 - 148
1,1,1-Trichloroethane	ND		50.0	56.75		ug/L		113	57 - 142
1,1,2-Trichloroethane	ND		50.0	64.26		ug/L		129	66 - 131
Trichloroethene	ND		50.0	54.37		ug/L		109	64 - 136
Trichlorofluoromethane	ND		50.0	73.42		ug/L		147	54 - 150
1,2,3-Trichloropropane	ND		50.0	63.37		ug/L		127	65 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50.0	72.53		ug/L		145	55 - 150
1,2,4-Trimethylbenzene	ND		50.0	56.42		ug/L		113	50 - 139
1,3,5-Trimethylbenzene	ND		50.0	55.54		ug/L		111	52 - 135
Vinyl acetate	ND		100	129.9		ug/L		130	26 - 150
Vinyl chloride	ND		50.0	52.42		ug/L		105	46 - 150
Xylenes, Total	ND		100	112.4		ug/L		112	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*97*		*56 - 136*
Dibromofluoromethane	*102*		*79 - 130*
1,2-Dichloroethane-d4 (Surr)	*102*		*59 - 146*
Toluene-d8 (Surr)	*103*		*64 - 132*

Lab Sample ID: 752-38112-1 MSD
Matrix: Water
Analysis Batch: 727836

Client Sample ID: MW-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	144.2		ug/L		72	43 - 150	17	30
Benzene	ND		50.0	50.51		ug/L		101	56 - 142	18	30
Bromobenzene	ND		50.0	45.76		ug/L		92	59 - 136	24	30
Bromoform	ND		50.0	44.67		ug/L		89	50 - 140	27	30
Bromomethane	ND	*+ F1	50.0	92.32	F1	ug/L		185	10 - 150	2	50
2-Butanone (MEK)	ND		200	131.4		ug/L		66	55 - 150	20	30
Carbon disulfide	ND		50.0	54.63		ug/L		109	48 - 150	15	30
Carbon tetrachloride	ND		50.0	46.95		ug/L		94	55 - 145	18	30
Chlorobenzene	ND		50.0	48.40		ug/L		97	64 - 130	19	30
Chlorobromomethane	ND		50.0	51.97		ug/L		104	64 - 140	17	30
Chlorodibromomethane	ND		50.0	48.65		ug/L		97	56 - 143	23	30

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

Lab Sample ID: 752-38112-1 MSD
Matrix: Water
Analysis Batch: 727836

Client Sample ID: MW-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloroethane	ND		50.0	73.07		ug/L		146	50 - 150	20	30
Chloroform	ND		50.0	50.74		ug/L		101	60 - 141	19	30
Chloromethane	ND		50.0	58.73		ug/L		117	49 - 148	6	31
2-Chlorotoluene	ND		50.0	47.86		ug/L		96	53 - 134	20	30
4-Chlorotoluene	ND		50.0	47.72		ug/L		95	54 - 133	20	30
cis-1,2-Dichloroethene	ND		50.0	48.41		ug/L		97	59 - 143	19	30
cis-1,3-Dichloropropene	ND		50.0	46.55		ug/L		93	57 - 140	21	30
1,2-Dibromo-3-Chloropropane	ND		50.0	45.31		ug/L		91	45 - 135	23	30
Dibromomethane	ND		50.0	52.03		ug/L		104	63 - 138	20	30
1,2-Dichlorobenzene	ND		50.0	49.67		ug/L		99	52 - 137	19	30
1,3-Dichlorobenzene	ND		50.0	47.40		ug/L		95	54 - 135	18	30
1,4-Dichlorobenzene	ND		50.0	47.39		ug/L		95	53 - 135	20	30
Dichlorobromomethane	ND		50.0	49.65		ug/L		99	59 - 143	19	30
1,1-Dichloroethane	ND		50.0	49.45		ug/L		99	61 - 144	16	30
1,2-Dichloroethane	ND		50.0	49.50		ug/L		99	60 - 141	20	30
1,1-Dichloroethene	ND		50.0	57.51		ug/L		115	54 - 147	16	30
1,2-Dichloropropane	ND		50.0	49.93		ug/L		100	66 - 137	18	30
1,3-Dichloropropane	ND		50.0	50.37		ug/L		101	66 - 133	22	30
2,2-Dichloropropane	ND		50.0	46.01		ug/L		92	42 - 144	16	31
1,1-Dichloropropene	ND		50.0	48.82		ug/L		98	65 - 136	17	30
Ethyl acetate	ND		100	92.21		ug/L		92	34 - 150	16	30
Ethylbenzene	ND		50.0	49.57		ug/L		99	58 - 131	17	30
Ethylene Dibromide	ND		50.0	48.84		ug/L		98	64 - 132	24	30
Hexachlorobutadiene	ND		50.0	42.50		ug/L		85	31 - 149	11	36
Hexane	ND		50.0	48.24		ug/L		96	60 - 142	16	30
2-Hexanone	ND	F1	200	124.4	F1	ug/L		62	65 - 140	24	30
Iodomethane	ND		50.0	45.53		ug/L		91	20 - 150	20	44
Isopropylbenzene	ND		50.0	48.26		ug/L		97	56 - 133	13	30
Isopropyl ether	ND		50.0	42.66		ug/L		85	60 - 144	15	30
4-Isopropyltoluene	ND		50.0	46.81		ug/L		94	48 - 139	10	30
Methylene Chloride	ND		50.0	51.17		ug/L		102	60 - 146	16	32
4-Methyl-2-pentanone (MIBK)	ND		200	179.1		ug/L		90	63 - 146	25	30
Methyl tert-butyl ether	ND		50.0	46.89		ug/L		94	59 - 137	19	30
m-Xylene & p-Xylene	ND		50.0	47.02		ug/L		94	57 - 130	17	30
Naphthalene	ND		50.0	46.05		ug/L		92	25 - 150	16	30
n-Butylbenzene	ND	*+	50.0	50.72		ug/L		101	41 - 142	3	31
n-Heptane	ND		50.0	43.50		ug/L		87	64 - 142	18	30
N-Propylbenzene	ND		50.0	46.72		ug/L		93	51 - 138	19	30
o-Xylene	ND		50.0	47.64		ug/L		95	61 - 130	17	30
sec-Butylbenzene	ND		50.0	48.74		ug/L		97	50 - 138	11	30
Styrene	ND		50.0	47.54		ug/L		95	58 - 131	18	30
tert-Butylbenzene	ND		50.0	47.58		ug/L		95	54 - 146	12	30
1,1,1,2-Tetrachloroethane	ND		50.0	47.70		ug/L		95	59 - 137	20	30
1,1,2,2-Tetrachloroethane	ND		50.0	51.55		ug/L		103	66 - 135	25	30
Tetrachloroethene	ND		50.0	43.77		ug/L		88	52 - 133	18	30
Toluene	ND		50.0	48.53		ug/L		97	65 - 130	19	30
trans-1,4-Dichloro-2-butene	ND		50.0	52.50		ug/L		105	43 - 147	23	36
trans-1,2-Dichloroethene	ND		50.0	49.27		ug/L		99	61 - 143	18	30
trans-1,3-Dichloropropene	ND		50.0	47.50		ug/L		95	53 - 133	26	30

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

Lab Sample ID: 752-38112-1 MSD
Matrix: Water
Analysis Batch: 727836

Client Sample ID: MW-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,3-Trichlorobenzene	ND		50.0	45.46		ug/L		91	43 - 145	10	30
1,2,4-Trichlorobenzene	ND		50.0	44.55		ug/L		89	39 - 148	12	30
1,1,1-Trichloroethane	ND		50.0	47.51		ug/L		95	57 - 142	18	30
1,1,2-Trichloroethane	ND		50.0	51.47		ug/L		103	66 - 131	22	30
Trichloroethene	ND		50.0	45.75		ug/L		92	64 - 136	17	30
Trichlorofluoromethane	ND		50.0	64.66		ug/L		129	54 - 150	13	30
1,2,3-Trichloropropane	ND		50.0	48.38		ug/L		97	65 - 133	27	30
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50.0	57.85		ug/L		116	55 - 150	23	30
1,2,4-Trimethylbenzene	ND		50.0	48.09		ug/L		96	50 - 139	16	30
1,3,5-Trimethylbenzene	ND		50.0	46.77		ug/L		94	52 - 135	17	30
Vinyl acetate	ND		100	101.4		ug/L		101	26 - 150	25	33
Vinyl chloride	ND		50.0	48.59		ug/L		97	46 - 150	8	30
Xylenes, Total	ND		100	94.66		ug/L		95	59 - 130	17	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*93*		*56 - 136*
Dibromofluoromethane	*105*		*79 - 130*
1,2-Dichloroethane-d4 (Surr)	*98*		*59 - 146*
Toluene-d8 (Surr)	*102*		*64 - 132*

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

Lab Sample ID: MB 400-727180/1-A
Matrix: Water
Analysis Batch: 727654

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727180

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		10.0	0.420	ug/L		10/17/25 11:51	10/22/25 16:07	1
2,4,5-Trichlorophenol	ND		10.0	0.540	ug/L		10/17/25 11:51	10/22/25 16:07	1
2,4,6-Trichlorophenol	ND		10.0	1.09	ug/L		10/17/25 11:51	10/22/25 16:07	1
2,4-Dichlorophenol	ND		10.0	0.570	ug/L		10/17/25 11:51	10/22/25 16:07	1
2,4-Dimethylphenol	ND		10.0	0.240	ug/L		10/17/25 11:51	10/22/25 16:07	1
2,4-Dinitrophenol	ND		30.0	4.68	ug/L		10/17/25 11:51	10/22/25 16:07	1
2,4-Dinitrotoluene	ND		10.0	0.650	ug/L		10/17/25 11:51	10/22/25 16:07	1
2,6-Dinitrotoluene	ND		10.0	0.290	ug/L		10/17/25 11:51	10/22/25 16:07	1
2-Chloronaphthalene	ND		10.0	0.380	ug/L		10/17/25 11:51	10/22/25 16:07	1
2-Chlorophenol	ND		10.0	0.840	ug/L		10/17/25 11:51	10/22/25 16:07	1
2-Methylnaphthalene	ND		10.0	0.810	ug/L		10/17/25 11:51	10/22/25 16:07	1
2-Methylphenol	ND		10.0	0.760	ug/L		10/17/25 11:51	10/22/25 16:07	1
2-Nitroaniline	ND		10.0	1.37	ug/L		10/17/25 11:51	10/22/25 16:07	1
2-Nitrophenol	ND		10.0	1.17	ug/L		10/17/25 11:51	10/22/25 16:07	1
3 & 4 Methylphenol	ND		20.0	4.60	ug/L		10/17/25 11:51	10/22/25 16:07	1
3,3'-Dichlorobenzidine	ND		11.0	0.410	ug/L		10/17/25 11:51	10/22/25 16:07	1
3-Nitroaniline	ND		10.0	0.950	ug/L		10/17/25 11:51	10/22/25 16:07	1
4,6-Dinitro-2-methylphenol	ND		10.0	1.97	ug/L		10/17/25 11:51	10/22/25 16:07	1
4-Bromophenyl phenyl ether	ND		10.0	0.130	ug/L		10/17/25 11:51	10/22/25 16:07	1
4-Chloro-3-methylphenol	ND		10.0	0.730	ug/L		10/17/25 11:51	10/22/25 16:07	1
4-Chloroaniline	ND		10.0	0.580	ug/L		10/17/25 11:51	10/22/25 16:07	1

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

Lab Sample ID: MB 400-727180/1-A
Matrix: Water
Analysis Batch: 727654

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727180

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		10.0	0.240	ug/L		10/17/25 11:51	10/22/25 16:07	1
4-Nitroaniline	ND		10.0	3.50	ug/L		10/17/25 11:51	10/22/25 16:07	1
4-Nitrophenol	ND		10.0	2.74	ug/L		10/17/25 11:51	10/22/25 16:07	1
Acenaphthene	ND		10.0	0.630	ug/L		10/17/25 11:51	10/22/25 16:07	1
Acenaphthylene	ND		10.0	0.760	ug/L		10/17/25 11:51	10/22/25 16:07	1
Acetophenone	ND		10.0	3.20	ug/L		10/17/25 11:51	10/22/25 16:07	1
Anthracene	ND		10.0	0.910	ug/L		10/17/25 11:51	10/22/25 16:07	1
Atrazine	ND		10.0	1.13	ug/L		10/17/25 11:51	10/22/25 16:07	1
Benzaldehyde	ND		10.0	0.670	ug/L		10/17/25 11:51	10/22/25 16:07	1
Benzo[a]anthracene	ND		10.0	1.00	ug/L		10/17/25 11:51	10/22/25 16:07	1
Benzo[a]pyrene	ND		10.0	1.10	ug/L		10/17/25 11:51	10/22/25 16:07	1
Benzo[b]fluoranthene	ND		10.0	1.20	ug/L		10/17/25 11:51	10/22/25 16:07	1
Benzo[g,h,i]perylene	ND		10.0	1.50	ug/L		10/17/25 11:51	10/22/25 16:07	1
Benzo[k]fluoranthene	ND		10.0	1.50	ug/L		10/17/25 11:51	10/22/25 16:07	1
bis (2-chloroisopropyl) ether	ND		10.0	0.930	ug/L		10/17/25 11:51	10/22/25 16:07	1
Bis(2-chloroethoxy)methane	ND		10.0	0.340	ug/L		10/17/25 11:51	10/22/25 16:07	1
Bis(2-chloroethyl)ether	ND		10.0	0.730	ug/L		10/17/25 11:51	10/22/25 16:07	1
Bis(2-ethylhexyl) phthalate	7.269	J	10.0	4.00	ug/L		10/17/25 11:51	10/22/25 16:07	1
Butyl benzyl phthalate	ND		10.0	4.00	ug/L		10/17/25 11:51	10/22/25 16:07	1
Caprolactam	ND		10.0	2.40	ug/L		10/17/25 11:51	10/22/25 16:07	1
Carbazole	ND		10.0	0.320	ug/L		10/17/25 11:51	10/22/25 16:07	1
Chrysene	ND		10.0	1.20	ug/L		10/17/25 11:51	10/22/25 16:07	1
Dibenz(a,h)anthracene	ND		10.0	1.30	ug/L		10/17/25 11:51	10/22/25 16:07	1
Dibenzofuran	ND		10.0	0.640	ug/L		10/17/25 11:51	10/22/25 16:07	1
Diethyl phthalate	ND		10.0	4.00	ug/L		10/17/25 11:51	10/22/25 16:07	1
Dimethyl phthalate	ND		10.0	4.00	ug/L		10/17/25 11:51	10/22/25 16:07	1
Di-n-butyl phthalate	ND		10.0	8.19	ug/L		10/17/25 11:51	10/22/25 16:07	1
Di-n-octyl phthalate	ND		10.0	4.00	ug/L		10/17/25 11:51	10/22/25 16:07	1
Fluoranthene	ND		10.0	0.630	ug/L		10/17/25 11:51	10/22/25 16:07	1
Fluorene	ND		10.0	0.670	ug/L		10/17/25 11:51	10/22/25 16:07	1
Hexachlorobenzene	ND		10.0	0.250	ug/L		10/17/25 11:51	10/22/25 16:07	1
Hexachlorobutadiene	ND		10.0	0.550	ug/L		10/17/25 11:51	10/22/25 16:07	1
Hexachlorocyclopentadiene	ND		20.0	0.320	ug/L		10/17/25 11:51	10/22/25 16:07	1
Hexachloroethane	ND		10.0	0.530	ug/L		10/17/25 11:51	10/22/25 16:07	1
Indeno[1,2,3-cd]pyrene	ND		10.0	1.10	ug/L		10/17/25 11:51	10/22/25 16:07	1
Isophorone	ND		10.0	0.800	ug/L		10/17/25 11:51	10/22/25 16:07	1
Naphthalene	ND		10.0	0.750	ug/L		10/17/25 11:51	10/22/25 16:07	1
Nitrobenzene	ND		10.0	0.600	ug/L		10/17/25 11:51	10/22/25 16:07	1
N-Nitrosodi-n-propylamine	ND		10.0	0.330	ug/L		10/17/25 11:51	10/22/25 16:07	1
N-Nitrosodiphenylamine	ND		10.0	0.190	ug/L		10/17/25 11:51	10/22/25 16:07	1
Pentachlorophenol	ND		10.0	2.80	ug/L		10/17/25 11:51	10/22/25 16:07	1
Phenanthrene	ND		10.0	0.740	ug/L		10/17/25 11:51	10/22/25 16:07	1
Phenol	ND		10.0	0.680	ug/L		10/17/25 11:51	10/22/25 16:07	1
Pyrene	ND		10.0	0.630	ug/L		10/17/25 11:51	10/22/25 16:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*82*		*10 - 150*	*10/17/25 11:51*	*10/22/25 16:07*	*1*
2-Fluorobiphenyl (Surr)	*76*		*25 - 139*	*10/17/25 11:51*	*10/22/25 16:07*	*1*

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

Lab Sample ID: MB 400-727180/1-A
Matrix: Water
Analysis Batch: 727654

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727180

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	*99*		*10 - 150*	*10/17/25 11:51*	*10/22/25 16:07*	*1*
Nitrobenzene-d5 (Surr)	*81*		*22 - 150*	*10/17/25 11:51*	*10/22/25 16:07*	*1*
Phenol-d5 (Surr)	*92*		*10 - 150*	*10/17/25 11:51*	*10/22/25 16:07*	*1*
Terphenyl-d14 (Surr)	*92*		*28 - 150*	*10/17/25 11:51*	*10/22/25 16:07*	*1*

Lab Sample ID: LCS 400-727180/2-A
Matrix: Water
Analysis Batch: 727654

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727180

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	33.3	23.52		ug/L		71	27 - 120
2,4,5-Trichlorophenol	33.3	26.40		ug/L		79	27 - 136
2,4,6-Trichlorophenol	33.3	26.38		ug/L		79	21 - 132
2,4-Dichlorophenol	33.3	31.88		ug/L		96	30 - 125
2,4-Dimethylphenol	33.3	31.31		ug/L		94	10 - 142
2,4-Dinitrophenol	66.7	47.69		ug/L		72	10 - 150
2,4-Dinitrotoluene	33.3	31.52		ug/L		95	30 - 129
2,6-Dinitrotoluene	33.3	31.47		ug/L		94	34 - 132
2-Chloronaphthalene	33.3	22.97		ug/L		69	10 - 150
2-Chlorophenol	33.3	32.77		ug/L		98	28 - 127
2-Methylnaphthalene	33.3	25.65		ug/L		77	24 - 150
2-Methylphenol	33.3	32.45		ug/L		97	11 - 121
2-Nitroaniline	33.3	30.77		ug/L		92	31 - 141
2-Nitrophenol	33.3	32.36		ug/L		97	31 - 142
3 & 4 Methylphenol	33.3	32.50		ug/L		98	10 - 150
3,3'-Dichlorobenzidine	66.7	46.23		ug/L		69	10 - 150
3-Nitroaniline	33.3	30.47		ug/L		91	33 - 136
4,6-Dinitro-2-methylphenol	66.7	57.20		ug/L		86	10 - 150
4-Bromophenyl phenyl ether	33.3	28.22		ug/L		85	24 - 120
4-Chloro-3-methylphenol	33.3	33.93		ug/L		102	10 - 137
4-Chloroaniline	33.3	36.69		ug/L		110	10 - 150
4-Chlorophenyl phenyl ether	33.3	23.71		ug/L		71	31 - 110
4-Nitroaniline	33.3	26.82		ug/L		80	37 - 139
4-Nitrophenol	66.7	71.29		ug/L		107	10 - 150
Acenaphthene	33.3	24.57		ug/L		74	29 - 150
Acenaphthylene	33.3	25.18		ug/L		76	30 - 150
Acetophenone	33.3	27.35		ug/L		82	27 - 119
Anthracene	33.3	29.33		ug/L		88	31 - 150
Atrazine	33.3	32.57		ug/L		98	10 - 150
Benzaldehyde	33.3	25.46		ug/L		76	10 - 150
Benzo[a]anthracene	33.3	31.38		ug/L		94	36 - 150
Benzo[a]pyrene	33.3	31.72		ug/L		95	29 - 150
Benzo[b]fluoranthene	33.3	32.20		ug/L		97	32 - 150
Benzo[g,h,i]perylene	33.3	31.20		ug/L		94	28 - 150
Benzo[k]fluoranthene	33.3	30.13		ug/L		90	30 - 150
bis (2-chloroisopropyl) ether	33.3	29.01		ug/L		87	32 - 115
Bis(2-chloroethoxy)methane	33.3	31.19		ug/L		94	34 - 120
Bis(2-chloroethyl)ether	33.3	28.95		ug/L		87	32 - 114

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

Lab Sample ID: LCS 400-727180/2-A
Matrix: Water
Analysis Batch: 727654

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727180

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bis(2-ethylhexyl) phthalate	33.3	35.35		ug/L		106	24 - 133
Butyl benzyl phthalate	33.3	24.19		ug/L		73	24 - 140
Caprolactam	33.3	90.67	E *+	ug/L		272	10 - 150
Carbazole	33.3	33.46		ug/L		100	28 - 123
Chrysene	33.3	29.91		ug/L		90	34 - 150
Dibenz(a,h)anthracene	33.3	29.85		ug/L		90	29 - 150
Dibenzofuran	33.3	26.06		ug/L		78	35 - 110
Diethyl phthalate	33.3	21.16		ug/L		63	31 - 118
Dimethyl phthalate	33.3	20.98		ug/L		63	24 - 125
Di-n-butyl phthalate	33.3	27.97		ug/L		84	30 - 127
Di-n-octyl phthalate	33.3	30.73		ug/L		92	28 - 142
Fluoranthene	33.3	30.48		ug/L		91	30 - 150
Fluorene	33.3	25.80		ug/L		77	30 - 150
Hexachlorobenzene	33.3	28.12		ug/L		84	29 - 113
Hexachlorobutadiene	33.3	18.41		ug/L		55	10 - 117
Hexachlorocyclopentadiene	33.3	15.43	J	ug/L		46	10 - 150
Hexachloroethane	33.3	19.23		ug/L		58	10 - 112
Indeno[1,2,3-cd]pyrene	33.3	28.31		ug/L		85	28 - 150
Isophorone	33.3	29.03		ug/L		87	29 - 125
Naphthalene	33.3	27.92		ug/L		84	27 - 150
Nitrobenzene	33.3	29.06		ug/L		87	29 - 129
N-Nitrosodi-n-propylamine	33.3	31.02		ug/L		93	50 - 134
N-Nitrosodiphenylamine	33.1	29.94		ug/L		91	50 - 132
Pentachlorophenol	66.7	44.25		ug/L		66	14 - 150
Phenanthrene	33.3	28.60		ug/L		86	32 - 150
Phenol	33.3	40.48		ug/L		121	10 - 150
Pyrene	33.3	32.38		ug/L		97	30 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*90*		*10 - 150*
2-Fluorobiphenyl (Surr)	*74*		*25 - 139*
2-Fluorophenol (Surr)	*107*		*10 - 150*
Nitrobenzene-d5 (Surr)	*82*		*22 - 150*
Phenol-d5 (Surr)	*109*		*10 - 150*
Terphenyl-d14 (Surr)	*95*		*28 - 150*

Lab Sample ID: LCSD 400-727180/3-A
Matrix: Water
Analysis Batch: 727654

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 727180

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl	33.3	23.34		ug/L		70	27 - 120	1	40
2,4,5-Trichlorophenol	33.3	25.85		ug/L		78	27 - 136	2	40
2,4,6-Trichlorophenol	33.3	25.39		ug/L		76	21 - 132	4	40
2,4-Dichlorophenol	33.3	31.30		ug/L		94	30 - 125	2	40
2,4-Dimethylphenol	33.3	31.32		ug/L		94	10 - 142	0	40
2,4-Dinitrophenol	66.7	46.93		ug/L		70	10 - 150	2	40
2,4-Dinitrotoluene	33.3	30.23		ug/L		91	30 - 129	4	40

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

Lab Sample ID: LCSD 400-727180/3-A
Matrix: Water
Analysis Batch: 727654

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 727180

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,6-Dinitrotoluene	33.3	31.16		ug/L		93	34 - 132	1	40
2-Chloronaphthalene	33.3	23.09		ug/L		69	10 - 150	1	40
2-Chlorophenol	33.3	30.42		ug/L		91	28 - 127	7	40
2-Methylnaphthalene	33.3	25.13		ug/L		75	24 - 150	2	40
2-Methylphenol	33.3	31.00		ug/L		93	11 - 121	5	40
2-Nitroaniline	33.3	30.00		ug/L		90	31 - 141	3	40
2-Nitrophenol	33.3	31.82		ug/L		95	31 - 142	2	40
3 & 4 Methylphenol	33.3	29.92		ug/L		90	10 - 150	8	40
3,3'-Dichlorobenzidine	66.7	44.16		ug/L		66	10 - 150	5	40
3-Nitroaniline	33.3	29.49		ug/L		88	33 - 136	3	40
4,6-Dinitro-2-methylphenol	66.7	56.05		ug/L		84	10 - 150	2	40
4-Bromophenyl phenyl ether	33.3	28.22		ug/L		85	24 - 120	0	40
4-Chloro-3-methylphenol	33.3	32.25		ug/L		97	10 - 137	5	40
4-Chloroaniline	33.3	35.51		ug/L		107	10 - 150	3	40
4-Chlorophenyl phenyl ether	33.3	23.28		ug/L		70	31 - 110	2	40
4-Nitroaniline	33.3	26.49		ug/L		79	37 - 139	1	40
4-Nitrophenol	66.7	69.31		ug/L		104	10 - 150	3	40
Acenaphthene	33.3	24.19		ug/L		73	29 - 150	2	40
Acenaphthylene	33.3	24.96		ug/L		75	30 - 150	1	40
Acetophenone	33.3	25.36		ug/L		76	27 - 119	8	40
Anthracene	33.3	29.24		ug/L		88	31 - 150	0	40
Atrazine	33.3	34.72		ug/L		104	10 - 150	6	40
Benzaldehyde	33.3	25.50		ug/L		76	10 - 150	0	40
Benzo[a]anthracene	33.3	29.48		ug/L		88	36 - 150	6	40
Benzo[a]pyrene	33.3	31.35		ug/L		94	29 - 150	1	40
Benzo[b]fluoranthene	33.3	31.52		ug/L		95	32 - 150	2	40
Benzo[g,h,i]perylene	33.3	30.84		ug/L		93	28 - 150	1	40
Benzo[k]fluoranthene	33.3	30.35		ug/L		91	30 - 150	1	40
bis (2-chloroisopropyl) ether	33.3	27.78		ug/L		83	32 - 115	4	40
Bis(2-chloroethoxy)methane	33.3	30.27		ug/L		91	34 - 120	3	40
Bis(2-chloroethyl)ether	33.3	27.01		ug/L		81	32 - 114	7	40
Bis(2-ethylhexyl) phthalate	33.3	33.87		ug/L		102	24 - 133	4	40
Butyl benzyl phthalate	33.3	23.56		ug/L		71	24 - 140	3	40
Caprolactam	33.3	89.34	*+ E	ug/L		268	10 - 150	1	40
Carbazole	33.3	32.77		ug/L		98	28 - 123	2	40
Chrysene	33.3	28.70		ug/L		86	34 - 150	4	40
Dibenz(a,h)anthracene	33.3	29.47		ug/L		88	29 - 150	1	40
Dibenzofuran	33.3	25.53		ug/L		77	35 - 110	2	40
Diethyl phthalate	33.3	22.73		ug/L		68	31 - 118	7	40
Dimethyl phthalate	33.3	22.16		ug/L		66	24 - 125	5	40
Di-n-butyl phthalate	33.3	28.71		ug/L		86	30 - 127	3	40
Di-n-octyl phthalate	33.3	28.74		ug/L		86	28 - 142	7	40
Fluoranthene	33.3	30.35		ug/L		91	30 - 150	0	40
Fluorene	33.3	25.43		ug/L		76	30 - 150	1	40
Hexachlorobenzene	33.3	28.07		ug/L		84	29 - 113	0	40
Hexachlorobutadiene	33.3	19.08		ug/L		57	10 - 117	4	40
Hexachlorocyclopentadiene	33.3	16.92	J	ug/L		51	10 - 150	9	40
Hexachloroethane	33.3	19.09		ug/L		57	10 - 112	1	40
Indeno[1,2,3-cd]pyrene	33.3	27.50		ug/L		83	28 - 150	3	40

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

Lab Sample ID: LCSD 400-727180/3-A
Matrix: Water
Analysis Batch: 727654

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 727180

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Isophorone			33.3	26.56		ug/L		80	29 - 125	9	40
Naphthalene			33.3	27.27		ug/L		82	27 - 150	2	40
Nitrobenzene			33.3	27.12		ug/L		81	29 - 129	7	40
N-Nitrosodi-n-propylamine			33.3	29.62		ug/L		89	50 - 134	5	40
N-Nitrosodiphenylamine			33.1	29.04		ug/L		88	50 - 132	3	40
Pentachlorophenol			66.7	44.83		ug/L		67	14 - 150	1	40
Phenanthrene			33.3	28.61		ug/L		86	32 - 150	0	40
Phenol			33.3	36.11		ug/L		108	10 - 150	11	40
Pyrene			33.3	32.40		ug/L		97	30 - 150	0	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*91*		*10 - 150*
2-Fluorobiphenyl (Surr)	*72*		*25 - 139*
2-Fluorophenol (Surr)	*99*		*10 - 150*
Nitrobenzene-d5 (Surr)	*77*		*22 - 150*
Phenol-d5 (Surr)	*100*		*10 - 150*
Terphenyl-d14 (Surr)	*88*		*28 - 150*

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

Lab Sample ID: MB 400-727262/1-A
Matrix: Water
Analysis Batch: 727433

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727262

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.300	0.300	ug/L		10/17/25 16:48	10/20/25 13:52	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*30*		*10 - 140*	*10/17/25 16:48*	*10/20/25 13:52*	*1*

Lab Sample ID: LCS 400-727262/2-A
Matrix: Water
Analysis Batch: 727433

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727262

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane			16.0	18.03		ug/L		113	30 - 150

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Dioxane-d8	*25*		*10 - 140*

Lab Sample ID: LCSD 400-727262/3-A
Matrix: Water
Analysis Batch: 727433

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 727262

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane			16.0	18.60		ug/L		116	30 - 150	3	40

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,4-Dioxane-d8	*22*		*10 - 140*

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 400-727921/54
Matrix: Water
Analysis Batch: 727921

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			10/24/25 01:57	1

Lab Sample ID: LCS 400-727921/55
Matrix: Water
Analysis Batch: 727921

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	9.638		mg/L		96	90 - 110

Lab Sample ID: LCSD 400-727921/56
Matrix: Water
Analysis Batch: 727921

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	9.819		mg/L		98	90 - 110	2	15

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 705-89582/1-A
Matrix: Water
Analysis Batch: 90299

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 89582

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND	^+	5.00	2.45	ug/L		10/21/25 07:05	10/22/25 21:22	1
Arsenic	ND		5.00	1.32	ug/L		10/21/25 07:05	10/22/25 21:22	1
Barium	0.9801	J ^+	10.0	0.410	ug/L		10/21/25 07:05	10/22/25 21:22	1
Beryllium	0.8671	J	1.00	0.147	ug/L		10/21/25 07:05	10/22/25 21:22	1
Chromium	ND		5.00	3.69	ug/L		10/21/25 07:05	10/22/25 21:22	1
Cobalt	0.9290	J	5.00	0.411	ug/L		10/21/25 07:05	10/22/25 21:22	1
Copper	0.8881	J	2.00	0.642	ug/L		10/21/25 07:05	10/22/25 21:22	1
Lead	1.109	^+	1.00	0.864	ug/L		10/21/25 07:05	10/22/25 21:22	1
Manganese	ND		5.00	1.29	ug/L		10/21/25 07:05	10/22/25 21:22	1
Nickel	0.9716	J	5.00	0.422	ug/L		10/21/25 07:05	10/22/25 21:22	1
Selenium	ND	^-	5.00	2.29	ug/L		10/21/25 07:05	10/22/25 21:22	1
Silver	ND	^-	1.00	0.167	ug/L		10/21/25 07:05	10/22/25 21:22	1
Thallium	1.021	^+	1.00	0.190	ug/L		10/21/25 07:05	10/22/25 21:22	1
Vanadium	ND		5.00	1.22	ug/L		10/21/25 07:05	10/22/25 21:22	1
Zinc	ND	^-	10.0	8.91	ug/L		10/21/25 07:05	10/22/25 21:22	1

Lab Sample ID: LCS 705-89582/2-A
Matrix: Water
Analysis Batch: 90299

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 89582

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	100	82.77		ug/L		83	80 - 120
Beryllium	100	91.33		ug/L		91	80 - 120
Cadmium	100	92.96		ug/L		93	80 - 120
Chromium	100	90.24		ug/L		90	80 - 120
Cobalt	100	95.26		ug/L		95	80 - 120
Copper	100	98.53		ug/L		99	80 - 120

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

Lab Sample ID: LCS 705-89582/2-A
Matrix: Water
Analysis Batch: 90299

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 89582

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Manganese	100	89.57		ug/L		90	80 - 120
Nickel	100	97.68		ug/L		98	80 - 120
Vanadium	100	89.99		ug/L		90	80 - 120

Lab Sample ID: LCS 705-89582/2-A
Matrix: Water
Analysis Batch: 90646

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 89582

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	100	104.0		ug/L		104	80 - 120
Barium	100	106.1		ug/L		106	80 - 120
Lead	100	105.1		ug/L		105	80 - 120
Selenium	100	107.3		ug/L		107	80 - 120
Silver	10.0	10.49		ug/L		105	80 - 120
Thallium	100	99.27		ug/L		99	80 - 120
Zinc	100	109.3		ug/L		109	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 705-90286/1-A
Matrix: Water
Analysis Batch: 90577

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 90286

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.166	ug/L		10/23/25 08:45	10/23/25 18:37	1

Lab Sample ID: LCS 705-90286/2-A
Matrix: Water
Analysis Batch: 90577

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 90286

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	4.00	4.000		ug/L		100	80 - 120

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 400-727599/61
Matrix: Water
Analysis Batch: 727599

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			10/21/25 12:24	1

Lab Sample ID: LCS 400-727599/62
Matrix: Water
Analysis Batch: 727599

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	3.068		mg/L		103	90 - 110

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: MRL 400-727599/19
Matrix: Water
Analysis Batch: 727599

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	0.06000		mg/L		120	50 - 150		

Method: 353.2 - Nitrogen, Nitrite

Lab Sample ID: MB 752-13859/10
Matrix: Water
Analysis Batch: 13859

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			10/15/25 14:14	1

Lab Sample ID: LCS 752-13859/13
Matrix: Water
Analysis Batch: 13859

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	0.9702		mg/L		97	90 - 110		

Lab Sample ID: LCSD 752-13859/43
Matrix: Water
Analysis Batch: 13859

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	0.9656		mg/L		97	90 - 110	0	10

Lab Sample ID: 752-38112-2 MS
Matrix: Water
Analysis Batch: 13859

Client Sample ID: MW-7
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrite as N	0.0857	J	1.00	0.9828		mg/L		90	90 - 110		

Lab Sample ID: 752-38112-2 MSD
Matrix: Water
Analysis Batch: 13859

Client Sample ID: MW-7
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrite as N	0.0857	J	1.00	0.9868		mg/L		90	90 - 110	0	10

Method: SM 4500 NO3 F - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 400-727277/21
Matrix: Water
Analysis Batch: 727277

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		0.0500	0.0180	mg/L			10/17/25 15:21	1

Method: SM 4500 NO3 F - Nitrogen, Nitrate-Nitrite (Continued)

Lab Sample ID: MB 400-727277/74
Matrix: Water
Analysis Batch: 727277

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		0.0500	0.0180	mg/L			10/17/25 17:15	1

Lab Sample ID: LCS 400-727277/22
Matrix: Water
Analysis Batch: 727277

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	1.00	1.067		mg/L		107	90 - 110

Lab Sample ID: LCS 400-727277/75
Matrix: Water
Analysis Batch: 727277

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	1.00	1.056		mg/L		105	90 - 110

Lab Sample ID: MRL 400-727277/23
Matrix: Water
Analysis Batch: 727277

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	0.0500	0.05600		mg/L		112	50 - 150

QC Association Summary

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38112-1

GC/MS VOA

Analysis Batch: 727676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38112-2	MW-7	Total/NA	Water	8260D	
752-38112-3	101425-Dup 1	Total/NA	Water	8260D	
752-38112-4	Trip Blank	Total/NA	Water	8260D	
MB 400-727676/5	Method Blank	Total/NA	Water	8260D	
LCS 400-727676/1003	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 727836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38112-1	MW-5	Total/NA	Water	8260D	
MB 400-727836/5	Method Blank	Total/NA	Water	8260D	
LCS 400-727836/1002	Lab Control Sample	Total/NA	Water	8260D	
752-38112-1 MS	MW-5	Total/NA	Water	8260D	
752-38112-1 MSD	MW-5	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 727180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38112-1	MW-5	Total/NA	Water	3511	
752-38112-2	MW-7	Total/NA	Water	3511	
752-38112-3	101425-Dup 1	Total/NA	Water	3511	
MB 400-727180/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-727180/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-727180/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

Prep Batch: 727262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38112-1	MW-5	Total/NA	Water	3510C	
752-38112-2	MW-7	Total/NA	Water	3510C	
752-38112-3	101425-Dup 1	Total/NA	Water	3510C	
MB 400-727262/1-A	Method Blank	Total/NA	Water	3510C	
LCS 400-727262/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 400-727262/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 727433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38112-1	MW-5	Total/NA	Water	8270E SIM ID	727262
752-38112-2	MW-7	Total/NA	Water	8270E SIM ID	727262
752-38112-3	101425-Dup 1	Total/NA	Water	8270E SIM ID	727262
MB 400-727262/1-A	Method Blank	Total/NA	Water	8270E SIM ID	727262
LCS 400-727262/2-A	Lab Control Sample	Total/NA	Water	8270E SIM ID	727262
LCSD 400-727262/3-A	Lab Control Sample Dup	Total/NA	Water	8270E SIM ID	727262

Analysis Batch: 727654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38112-1	MW-5	Total/NA	Water	8270E	727180
MB 400-727180/1-A	Method Blank	Total/NA	Water	8270E	727180
LCS 400-727180/2-A	Lab Control Sample	Total/NA	Water	8270E	727180
LCSD 400-727180/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	727180

GC/MS Semi VOA

Analysis Batch: 727667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38112-2	MW-7	Total/NA	Water	8270E	727180
752-38112-3	101425-Dup 1	Total/NA	Water	8270E	727180

HPLC/IC

Analysis Batch: 727921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38112-1	MW-5	Total/NA	Water	9056A	
752-38112-2	MW-7	Total/NA	Water	9056A	
752-38112-3	101425-Dup 1	Total/NA	Water	9056A	
MB 400-727921/54	Method Blank	Total/NA	Water	9056A	
LCS 400-727921/55	Lab Control Sample	Total/NA	Water	9056A	
LCSD 400-727921/56	Lab Control Sample Dup	Total/NA	Water	9056A	

Metals

Prep Batch: 89582

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38112-1	MW-5	Total Recoverable	Water	3005A	
752-38112-2	MW-7	Total Recoverable	Water	3005A	
752-38112-3	101425-Dup 1	Total Recoverable	Water	3005A	
MB 705-89582/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 705-89582/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 90286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38112-1	MW-5	Total/NA	Water	7470A	
752-38112-2	MW-7	Total/NA	Water	7470A	
752-38112-3	101425-Dup 1	Total/NA	Water	7470A	
MB 705-90286/1-A	Method Blank	Total/NA	Water	7470A	
LCS 705-90286/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 90299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38112-1	MW-5	Total Recoverable	Water	6020B	89582
752-38112-2	MW-7	Total Recoverable	Water	6020B	89582
752-38112-3	101425-Dup 1	Total Recoverable	Water	6020B	89582
MB 705-89582/1-A	Method Blank	Total Recoverable	Water	6020B	89582
LCS 705-89582/2-A	Lab Control Sample	Total Recoverable	Water	6020B	89582

Analysis Batch: 90577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38112-1	MW-5	Total/NA	Water	7470A	90286
752-38112-2	MW-7	Total/NA	Water	7470A	90286
752-38112-3	101425-Dup 1	Total/NA	Water	7470A	90286
MB 705-90286/1-A	Method Blank	Total/NA	Water	7470A	90286
LCS 705-90286/2-A	Lab Control Sample	Total/NA	Water	7470A	90286

Analysis Batch: 90646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38112-1	MW-5	Total Recoverable	Water	6020B	89582
752-38112-2	MW-7	Total Recoverable	Water	6020B	89582

Metals (Continued)

Analysis Batch: 90646 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38112-3	101425-Dup 1	Total Recoverable	Water	6020B	89582
LCS 705-89582/2-A	Lab Control Sample	Total Recoverable	Water	6020B	89582

General Chemistry

Analysis Batch: 13859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38112-1	MW-5	Total/NA	Water	353.2	
752-38112-2	MW-7	Total/NA	Water	353.2	
752-38112-3	101425-Dup 1	Total/NA	Water	353.2	
MB 752-13859/10	Method Blank	Total/NA	Water	353.2	
LCS 752-13859/13	Lab Control Sample	Total/NA	Water	353.2	
LCSD 752-13859/43	Lab Control Sample Dup	Total/NA	Water	353.2	
752-38112-2 MS	MW-7	Total/NA	Water	353.2	
752-38112-2 MSD	MW-7	Total/NA	Water	353.2	

Analysis Batch: 13876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38112-1	MW-5	Total/NA	Water	Nitrate by calc	
752-38112-2	MW-7	Total/NA	Water	Nitrate by calc	
752-38112-3	101425-Dup 1	Total/NA	Water	Nitrate by calc	

Analysis Batch: 727277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38112-1	MW-5	Total/NA	Water	SM 4500 NO3 F	
752-38112-2	MW-7	Total/NA	Water	SM 4500 NO3 F	
752-38112-3	101425-Dup 1	Total/NA	Water	SM 4500 NO3 F	
MB 400-727277/21	Method Blank	Total/NA	Water	SM 4500 NO3 F	
MB 400-727277/74	Method Blank	Total/NA	Water	SM 4500 NO3 F	
LCS 400-727277/22	Lab Control Sample	Total/NA	Water	SM 4500 NO3 F	
LCS 400-727277/75	Lab Control Sample	Total/NA	Water	SM 4500 NO3 F	
MRL 400-727277/23	Lab Control Sample	Total/NA	Water	SM 4500 NO3 F	

Analysis Batch: 727599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38112-1	MW-5	Total/NA	Water	350.1	
752-38112-2	MW-7	Total/NA	Water	350.1	
752-38112-3	101425-Dup 1	Total/NA	Water	350.1	
MB 400-727599/61	Method Blank	Total/NA	Water	350.1	
LCS 400-727599/62	Lab Control Sample	Total/NA	Water	350.1	
MRL 400-727599/19	Lab Control Sample	Total/NA	Water	350.1	

Lab Chronicle

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38112-1

Client Sample ID: MW-5

Date Collected: 10/14/25 11:00
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38112-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	727836	RSG	EET PEN	10/23/25 13:34
Total/NA	Prep	3511			727180	RAW	EET PEN	10/17/25 11:52
Total/NA	Analysis	8270E		1	727654	S1B	EET PEN	10/23/25 02:09
Total/NA	Prep	3510C			727262	STC	EET PEN	10/17/25 16:48
Total/NA	Analysis	8270E SIM ID		1	727433	VC1	EET PEN	10/20/25 17:26
Total/NA	Analysis	9056A		1	727921	LHB	EET PEN	10/24/25 02:31
Total Recoverable	Prep	3005A			89582	BR	EET ATL	10/21/25 07:05
Total Recoverable	Analysis	6020B		1	90299	MD	EET ATL	10/22/25 23:00
Total Recoverable	Prep	3005A			89582	BR	EET ATL	10/21/25 07:05
Total Recoverable	Analysis	6020B		1	90646	MD	EET ATL	10/23/25 19:58
Total/NA	Prep	7470A			90286	GR	EET ATL	10/23/25 08:45
Total/NA	Analysis	7470A		1	90577	GR	EET ATL	10/23/25 19:40
Total/NA	Analysis	350.1		1	727599	CAC	EET PEN	10/21/25 13:42
Total/NA	Analysis	353.2		1	13859	CB	EET RAL	10/15/25 14:30
Total/NA	Analysis	Nitrate by calc		1	13876	LEB	EET RAL	10/21/25 09:23
Total/NA	Analysis	SM 4500 NO3 F		1	727277	EJT	EET PEN	10/17/25 17:07

Client Sample ID: MW-7

Date Collected: 10/14/25 09:40
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38112-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	727676	RSG	EET PEN	10/22/25 20:38
Total/NA	Prep	3511			727180	RAW	EET PEN	10/17/25 11:52
Total/NA	Analysis	8270E		1	727667	JAW	EET PEN	10/22/25 22:09
Total/NA	Prep	3510C			727262	STC	EET PEN	10/17/25 16:48
Total/NA	Analysis	8270E SIM ID		1	727433	VC1	EET PEN	10/20/25 17:47
Total/NA	Analysis	9056A		1	727921	LHB	EET PEN	10/24/25 02:40
Total Recoverable	Prep	3005A			89582	BR	EET ATL	10/21/25 07:05
Total Recoverable	Analysis	6020B		1	90299	MD	EET ATL	10/22/25 23:03
Total Recoverable	Prep	3005A			89582	BR	EET ATL	10/21/25 07:05
Total Recoverable	Analysis	6020B		1	90646	MD	EET ATL	10/23/25 20:01
Total/NA	Prep	7470A			90286	GR	EET ATL	10/23/25 08:45
Total/NA	Analysis	7470A		1	90577	GR	EET ATL	10/23/25 19:44
Total/NA	Analysis	350.1		1	727599	CAC	EET PEN	10/21/25 13:44
Total/NA	Analysis	353.2		1	13859	CB	EET RAL	10/15/25 14:33
Total/NA	Analysis	Nitrate by calc		1	13876	LEB	EET RAL	10/21/25 09:23
Total/NA	Analysis	SM 4500 NO3 F		10	727277	EJT	EET PEN	10/17/25 18:08

Lab Chronicle

Client: S&ME Inc
Job ID: 752-38112-1
Project/Site: East End Park, Durham, NC

Client Sample ID: 101425-Dup 1
Lab Sample ID: 752-38112-3
Date Collected: 10/14/25 00:00
Matrix: Water
Date Received: 10/15/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	727676	RSG	EET PEN	10/22/25 21:03
Total/NA	Prep	3511			727180	RAW	EET PEN	10/17/25 11:52
Total/NA	Analysis	8270E		1	727667	JAW	EET PEN	10/22/25 22:42
Total/NA	Prep	3510C			727262	STC	EET PEN	10/17/25 16:48
Total/NA	Analysis	8270E SIM ID		1	727433	VC1	EET PEN	10/20/25 18:08
Total/NA	Analysis	9056A		1	727921	LHB	EET PEN	10/24/25 02:48
Total Recoverable	Prep	3005A			89582	BR	EET ATL	10/21/25 07:05
Total Recoverable	Analysis	6020B		1	90299	MD	EET ATL	10/22/25 23:09
Total Recoverable	Prep	3005A			89582	BR	EET ATL	10/21/25 07:05
Total Recoverable	Analysis	6020B		1	90646	MD	EET ATL	10/23/25 20:04
Total/NA	Prep	7470A			90286	GR	EET ATL	10/23/25 08:45
Total/NA	Analysis	7470A		1	90577	GR	EET ATL	10/23/25 19:48
Total/NA	Analysis	350.1		1	727599	CAC	EET PEN	10/21/25 13:46
Total/NA	Analysis	353.2		1	13859	CB	EET RAL	10/15/25 14:36
Total/NA	Analysis	Nitrate by calc		1	13876	LEB	EET RAL	10/21/25 09:23
Total/NA	Analysis	SM 4500 NO3 F		5	727277	EJT	EET PEN	10/17/25 18:09

Client Sample ID: Trip Blank
Lab Sample ID: 752-38112-4
Date Collected: 10/14/25 09:40
Matrix: Water
Date Received: 10/15/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	727676	RSG	EET PEN	10/22/25 21:28

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
Job ID: 752-38112-1
Project/Site: East End Park, Durham, NC

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
8260D		Water	Hexane
8260D		Water	n-Heptane
8270E	3511	Water	3 & 4 Methylphenol
8270E	3511	Water	4-Nitrophenol
9056A		Water	Sulfate

Method Summary

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38112-1

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 ATL
7470A	Mercury (CVAA)	SW846	EET ATL
350.1	Nitrogen, Ammonia	EPA	EET PEN
353.2	Nitrogen, Nitrite	EPA	EET RAL
Nitrate by calc	Nitrogen, Nitrate-Nitrite	SM	EET RAL
SM 4500 NO3 F	Nitrogen, Nitrate-Nitrite	SM	EET PEN
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET ATL
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 ATL

Protocol References:

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 End Park, Durham, NC

Job ID: 752-38112-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
752-38112-1	MW-5	Water	10/14/25 11:00	10/15/25 08:00	North Carolina
752-38112-2	MW-7	Water	10/14/25 09:40	10/15/25 08:00	North Carolina
752-38112-3	101425-Dup 1	Water	10/14/25 00:00	10/15/25 08:00	North Carolina
752-38112-4	Trip Blank	Water	10/14/25 09:40	10/15/25 08:00	North Carolina

Eurofins Raleigh
104 Woodwinds Industrial Court Suite A
Cary, NC 27511
Phone (919) 467-3090

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Chase Poore	Lab PM: Bechtold, Chad	Carrier Tracking No(s):	COC No: 680-170035-59846.1
Client Contact: Rachel Moore	Phone: (828) 337-7849	E-Mail: Chad.Bechtold@et.eurofinsus.com	State of Origin:	Page: 1 of 1
Company: S&ME Inc	PWSID:	Analysis Requested		Job #:
Address: 3201 Spring Forest Road	Due Date Requested:			Preservation Codes: N - None S - H2SO4 A - HCL D - HNO3
City: Raleigh	TAT Requested (days): STANDARD TAT			
State, Zip: NC, 27616	Compliance Project: Δ Yes Δ No			
Phone: 919-872-2660(Tel) 919-876-3958(Fax)	PO #: 23050630BK			
Email: RachelMoore@smeinc.com	WO #:			Other:
Project Name: East End Park, Durham, NC	Project #: 68026680			
Site:	SSOW#:			NCDEQ EQuIS EDDs

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270E_QQQ - SVOC TCL OLM4.2	8270E_SIM_ID_D5 - 1,4 Dioxane	350.1 - Ammonia as N; 353.2 - NOx, Nitrate_Calc	8260D - VOC NC 02L List	6020B - PRLF Metals; 7470A - Hg	353.2_Nitrite - Nitrite (48 Hour HT)	SM4500_SO4_E - Sulfate	752-38112 COC	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	S	A	D	N	N			
MW-5	10/14/25	1100	G	W			X	X	X	X	X	X	X			
MW-7	↓	0940	G	W			X	X	X	X	X	X	X			
101425-DUP1	↓	—	G	W			X	X	X	X	X	X	X			
TRIP BLANK																

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 10/14/25 21:30	Company	Received by: Date/Time: 10/15/25 800 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:

Initial Temperature: 4.6 °C
Correction Factor: -0.4°C
Corrected Temperature: 4.2 °C
Temp IR Gun: CBY-T-132
Initials: RY BR PG DW DO HH

Eurofins Raleigh
104 Woodwinds Industrial Court Suite A
Cary, NC 27511
Phone: 919-467-3090

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Bechtold, Chad	Carrier Tracking No(s): N/A	COC No: 752-6952.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Chad Bechtold@et.eurofinsus.com	State of Origin: North Carolina	Page: Page 1 of 1
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): State - North Carolina (WW/SW)		Job #: 752-38112-1
Address: 3355 McLemore Drive, ,	Due Date Requested: 10/23/2025			
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 End Park, Durham, NC	Project #: 68026680			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D/5030CVOC NC 02L List	8270E_QQQ/3511(MOD) SVOC TCL OLM4.2	8270E_SIM_ID_D5/3510C_LVI1,4 Dioxane	350.1Ammonia as N	SM4500_NO3_FNitrate+Nitrite	9056A_ORGFM_28DSulfate	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
MW-5 (752-38112-1)	10/14/25	11 00 Eastern	G	Water			X	X	X	X	X	X		
MW-7 (752-38112-2)	10/14/25	09 40 Eastern	G	Water			X	X	X	X	X	X		
101425-Dup 1 (752-38112-3)	10/14/25	Eastern	G	Water			X	X	X	X	X	X		
Trip Blank (752-38112-4)	10/14/25	09 40 Eastern	G	Water			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	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank. 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	JW	10-15-25 16:00				
2						
3					10/16/25 945	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.

Cooler Temperature(s) °C and Other Remarks: 3.3, 3.6, 2.6 IR11

Ver 10/10/2024

10/28/2025

Eurofins Raleigh
104 Woodwinds Industrial Court Suite A
Cary, NC 27511
Phone: 919-467-3090

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Bechtold, Chad	Carrier Tracking No(s): N/A	COC No: 752-6952.2
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 #: 752-38113-1
Address: 3355 McLemore Drive, ,	Due Date Requested: 10/23/2025			Preservation Codes: -
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 End Park, Durham, NC	Project #: 68026680			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D/5030CVOC NC 02L List	8270E_QQQ/3511(MOD) SVOC TCL OLM4.2	8270E_SIM_ID_DI/3510C_LVI1,4 Dioxane	350.1Ammonia as N	SM4500_NO3_FNitrate+Nitrite	9056A_ORGFM_28DSulfate	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
101425-Dup SW (752-38113-10)	10/14/25	Eastern	G	Water			X	X	X	X	X	X		
Trip Blank (752-38113-11)	10/14/25	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	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
		10-15-25 1600				
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 10/16/25 0945	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 3.3, 3.6, 2.6 IR11

Ver 10/10/2024

Eurofins Raleigh
104 Woodwinds Industrial Court Suite A
Cary, NC 27511
Phone: 919-467-3090

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Bechtold, Chad	Carrier Tracking No(s): N/A	COC No: 752-6949.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Chad.Bechtold@et.eurofinsus.com	State of Origin: North Carolina	Page: Page 1 of 1
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): State - North Carolina (WW/SW)		Job #: 752-38112-1
Address: 3080 Presidential Dr,	Due Date Requested: 10/23/2025			Preservation Codes: -
City: Atlanta	TAT Requested (days): N/A			
State, Zip: GA, 30340				
Phone: 770-457-8177(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: East End Park, Durham, NC	Project #: 68026680			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3005APRLF 16 Metals, including prep	7470A/7470A_PrepMercury	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
MW-5 (752-38112-1)	10/14/25	11:00 Eastern	G	Water			X	X	1	
MW-7 (752-38112-2)	10/14/25	09:40 Eastern	G	Water			X	X	1	
101425-Dup 1 (752-38112-3)	10/14/25	Eastern	G	Water			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
JV	10-13-25-16:00		RTaylor	10/16/25 940	
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: .5 #2 des

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: S&ME Inc

Job Number: 752-38112-1

Login Number: 38112
List Number: 1
Creator: Yonish, Rachel

List Source: Eurofins Raleigh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: S&ME Inc

Job Number: 752-38112-1

Login Number: 38112
List Number: 2
Creator: Taylor, Renee

List Source: Eurofins Atlanta
List Creation: 10/16/25 11:12 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
The cooler does 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 present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Sample custody seals, if present, are intact.	True	
Sample collection date/times are provided.	True	
The samples do not appear to have been compromised or tampered with.	True	
Containers are not broken or leaking.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Appropriate sample containers were rec'd and sufficient volume for all analyses.	True	
Samples are received within Holding Time (excluding tests with immediate HTs).	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Is there sufficient air space in bottle for bacteriological analysis.	True	

Login Sample Receipt Checklist

Client: S&ME Inc

Job Number: 752-38112-1

Login Number: 38112
List Number: 3
Creator: Bankston, Victoria K

List Source: Eurofins Pensacola
List Creation: 10/16/25 05:31 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.3°C 3.6°C 2.6°C IR11
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 10/29/2025 10:20:41 AM

JOB DESCRIPTION

East End Park, Durham, NC

JOB NUMBER

752-38113-1

Eurofins Raleigh
104 Woodwinds Industrial Court
Suite A
Cary NC 27511

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization

Generated
10/29/2025 10:20:41 AM

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

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 6
Detection Summary 8
Client Sample Results 13
Surrogate Summary 56
Isotope Dilution Summary 58
QC Sample Results 59
QC Association Summary 75
Lab Chronicle 81
Certification Summary 86
Method Summary 87
Sample Summary 88
Chain of Custody 89
Receipt Checklists 93

Definitions/Glossary

Client: S&ME Inc
Job ID: 752-38113-1
Project/Site: East End Park, Durham, NC

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
B	Compound was found in the blank and sample.
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
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.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TNTC	Too Numerous To Count

Job Narrative
752-38113-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 10/15/2025 8:00 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 1.3°C and 2.0°C.

GC/MS VOA
Method 8260D: The laboratory control sample (LCS) for analytical batch 400-727815 recovered outside control limits for the following analytes: 1,2,3-Trichlorobenzene and 1,1,2-Trichloro-1,2,2-trifluoroethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

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

GC/MS Semi VOA
Method 8270E_QQQ: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 400-727180.

Method 8270E_QQQ: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 400-727180 and analytical batch 400-727654 recovered outside control limits for the following analytes: Caprolactam. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E_QQQ: The method blank for preparation batch 400-727180 and analytical batch 400-727654 contained Bis(2-ethylhexyl) phthalate above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

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

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

Metals
Method 6020B - Total Recoverable: The method blank for preparation batch 705-89704 and analytical batch 705-90061 contained Vanadium above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 7470A: The matrix spike / matrix spike duplicate / sample duplicate (MSD) precision for preparation batch 705-90609 and analytical batch 705-90803 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

Method 7470A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 705-90609 and analytical batch 705-90803 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Job ID: 752-38113-1 (Continued)

General Chemistry
Method SM4500_NO3_F: The following sample was diluted to bring the concentration of target analytes within the calibration range: SW-6 (752-38113-6). Elevated reporting limits (RLs) are provided.

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

Detection Summary

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38113-1

Client Sample ID: SW-1 — Lab Sample ID: 752-38113-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	1.04		1.00	0.900	ug/L	1		8260D	Total/NA
Bis(2-ethylhexyl) phthalate	5.97	J B	10.1	4.05	ug/L	1		8270E	Total/NA
Sulfate	36.4		1.00	0.390	mg/L	1		9056A	Total/NA
Barium	40.4		10.0	0.410	ug/L	1		6020B	Total Recoverable
Copper	2.44		2.00	0.642	ug/L	1		6020B	Total Recoverable
Lead	2.72		1.00	0.864	ug/L	1		6020B	Total Recoverable
Manganese	316		5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	0.901	J	5.00	0.422	ug/L	1		6020B	Total Recoverable
Vanadium	2.67	J B	5.00	1.22	ug/L	1		6020B	Total Recoverable
Zinc	24.1		10.0	8.91	ug/L	1		6020B	Total Recoverable
Mercury	0.182	J	0.200	0.166	ug/L	1		7470A	Total/NA
Ammonia (as N)	0.238		0.0500	0.0460	mg/L	1		350.1	Total/NA
Nitrate as N	0.0910	J	0.100	0.0250	mg/L	1		Nitrate by calc	Total/NA
Nitrate Nitrite as N	0.0910		0.0500	0.0180	mg/L	1		SM 4500 NO3 F	Total/NA

Client Sample ID: SW-2 — Lab Sample ID: 752-38113-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	5.46	J B	10.0	4.01	ug/L	1		8270E	Total/NA
Sulfate	34.7		1.00	0.390	mg/L	1		9056A	Total/NA
Barium	41.3		10.0	0.410	ug/L	1		6020B	Total Recoverable
Copper	1.89	J	2.00	0.642	ug/L	1		6020B	Total Recoverable
Lead	1.78		1.00	0.864	ug/L	1		6020B	Total Recoverable
Manganese	183		5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	0.909	J	5.00	0.422	ug/L	1		6020B	Total Recoverable
Vanadium	2.37	J B	5.00	1.22	ug/L	1		6020B	Total Recoverable
Mercury	0.255		0.200	0.166	ug/L	1		7470A	Total/NA
Ammonia (as N)	0.0690		0.0500	0.0460	mg/L	1		350.1	Total/NA
Nitrate Nitrite as N	0.0350	J	0.0500	0.0180	mg/L	1		SM 4500 NO3 F	Total/NA

Client Sample ID: SW-3 — Lab Sample ID: 752-38113-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	1.35		1.00	0.900	ug/L	1		8260D	Total/NA
Bis(2-ethylhexyl) phthalate	5.44	J B	10.1	4.03	ug/L	1		8270E	Total/NA
Sulfate	32.9		1.00	0.390	mg/L	1		9056A	Total/NA
Barium	42.1		10.0	0.410	ug/L	1		6020B	Total Recoverable
Copper	2.14		2.00	0.642	ug/L	1		6020B	Total Recoverable
Lead	1.80		1.00	0.864	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: SW-3 (Continued) — Lab Sample ID: 752-38113-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	257		5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	1.05	J	5.00	0.422	ug/L	1		6020B	Total Recoverable
Vanadium	2.47	J B	5.00	1.22	ug/L	1		6020B	Total Recoverable
Zinc	11.3		10.0	8.91	ug/L	1		6020B	Total Recoverable
Mercury	0.169	J	0.200	0.166	ug/L	1		7470A	Total/NA
Ammonia (as N)	0.0550		0.0500	0.0460	mg/L	1		350.1	Total/NA
Nitrate Nitrite as N	0.0370	J	0.0500	0.0180	mg/L	1		SM 4500 NO3 F	Total/NA

Client Sample ID: SW-4 — Lab Sample ID: 752-38113-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	5.24	J B	10.1	4.03	ug/L	1		8270E	Total/NA
Sulfate	41.1		1.00	0.390	mg/L	1		9056A	Total/NA
Barium	35.3		10.0	0.410	ug/L	1		6020B	Total Recoverable
Copper	2.48		2.00	0.642	ug/L	1		6020B	Total Recoverable
Manganese	143		5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	1.26	J	5.00	0.422	ug/L	1		6020B	Total Recoverable
Vanadium	2.33	J B	5.00	1.22	ug/L	1		6020B	Total Recoverable
Nitrate as N	0.0960	J	0.100	0.0250	mg/L	1		Nitrate by calc	Total/NA
Nitrate Nitrite as N	0.0960		0.0500	0.0180	mg/L	1		SM 4500 NO3 F	Total/NA

Client Sample ID: SW-5 — Lab Sample ID: 752-38113-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.599	J	1.00	0.200	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	0.224	J	1.00	0.180	ug/L	1		8260D	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	1.19		1.00	0.500	ug/L	1		8260D	Total/NA
Bis(2-ethylhexyl) phthalate	5.52	J B	10.1	4.03	ug/L	1		8270E	Total/NA
Sulfate	13.9		1.00	0.390	mg/L	1		9056A	Total/NA
Barium	39.3		10.0	0.410	ug/L	1		6020B	Total Recoverable
Copper	2.98		2.00	0.642	ug/L	1		6020B	Total Recoverable
Lead	2.42		1.00	0.864	ug/L	1		6020B	Total Recoverable
Manganese	100		5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	1.24	J	5.00	0.422	ug/L	1		6020B	Total Recoverable
Vanadium	2.92	J B	5.00	1.22	ug/L	1		6020B	Total Recoverable
Zinc	10.5		10.0	8.91	ug/L	1		6020B	Total Recoverable
Nitrate Nitrite as N	0.0260	J	0.0500	0.0180	mg/L	1		SM 4500 NO3 F	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38113-1

Client Sample ID: SW-6 — Lab Sample ID: 752-38113-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.711	J	1.00	0.200	ug/L	1		8260D	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	1.45		1.00	0.500	ug/L	1		8260D	Total/NA
1,4-Dioxane	0.361		0.278	0.278	ug/L	1		8270E SIM ID	Total/NA
Bis(2-ethylhexyl) phthalate	5.17	J B	10.1	4.04	ug/L	1		8270E	Total/NA
Sulfate	14.1		1.00	0.390	mg/L	1		9056A	Total/NA
Barium	37.0		10.0	0.410	ug/L	1		6020B	Total Recoverable
Copper	2.39		2.00	0.642	ug/L	1		6020B	Total Recoverable
Manganese	134		5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	1.24	J	5.00	0.422	ug/L	1		6020B	Total Recoverable
Vanadium	2.52	J B	5.00	1.22	ug/L	1		6020B	Total Recoverable
Nitrate as N	14.2		0.100	0.0250	mg/L	1		Nitrate by calc	Total/NA
Nitrate Nitrite as N	14.2		0.500	0.180	mg/L	10		SM 4500 NO3 F	Total/NA

Client Sample ID: SW-7 — Lab Sample ID: 752-38113-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.741	J	1.00	0.200	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	0.287	J	1.00	0.180	ug/L	1		8260D	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	1.93		1.00	0.500	ug/L	1		8260D	Total/NA
Bis(2-ethylhexyl) phthalate	5.74	J B	10.1	4.03	ug/L	1		8270E	Total/NA
Sulfate	15.3		1.00	0.390	mg/L	1		9056A	Total/NA
Barium	37.6		10.0	0.410	ug/L	1		6020B	Total Recoverable
Copper	2.57		2.00	0.642	ug/L	1		6020B	Total Recoverable
Manganese	165		5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	0.985	J	5.00	0.422	ug/L	1		6020B	Total Recoverable
Vanadium	2.54	J B	5.00	1.22	ug/L	1		6020B	Total Recoverable
Zinc	13.3		10.0	8.91	ug/L	1		6020B	Total Recoverable
Nitrate as N	0.113		0.100	0.0250	mg/L	1		Nitrate by calc	Total/NA
Nitrate Nitrite as N	0.113		0.0500	0.0180	mg/L	1		SM 4500 NO3 F	Total/NA

Client Sample ID: SW-8 — Lab Sample ID: 752-38113-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.923	J	1.00	0.200	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	0.369	J	1.00	0.180	ug/L	1		8260D	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	2.25		1.00	0.500	ug/L	1		8260D	Total/NA
Bis(2-ethylhexyl) phthalate	5.39	J B	10.2	4.10	ug/L	1		8270E	Total/NA
Sulfate	15.7		1.00	0.390	mg/L	1		9056A	Total/NA
Barium	36.2		10.0	0.410	ug/L	1		6020B	Total Recoverable
Copper	2.42		2.00	0.642	ug/L	1		6020B	Total Recoverable
Manganese	124		5.00	1.29	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: SW-8 (Continued) — Lab Sample ID: 752-38113-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	1.09	J	5.00	0.422	ug/L	1		6020B	Total Recoverable
Vanadium	2.32	J B	5.00	1.22	ug/L	1		6020B	Total Recoverable
Ammonia (as N)	0.0540		0.0500	0.0460	mg/L	1		350.1	Total/NA
Nitrate Nitrite as N	0.0370	J	0.0500	0.0180	mg/L	1		SM 4500 NO3 F	Total/NA

Client Sample ID: SW-9 — Lab Sample ID: 752-38113-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.06		1.00	0.200	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	0.329	J	1.00	0.180	ug/L	1		8260D	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	2.74		1.00	0.500	ug/L	1		8260D	Total/NA
Vinyl chloride	0.593	J	1.00	0.500	ug/L	1		8260D	Total/NA
Bis(2-ethylhexyl) phthalate	5.02	J B	10.1	4.04	ug/L	1		8270E	Total/NA
Sulfate	16.2		1.00	0.390	mg/L	1		9056A	Total/NA
Barium	35.9		10.0	0.410	ug/L	1		6020B	Total Recoverable
Copper	3.08		2.00	0.642	ug/L	1		6020B	Total Recoverable
Manganese	87.2		5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	1.01	J	5.00	0.422	ug/L	1		6020B	Total Recoverable
Vanadium	2.46	J B	5.00	1.22	ug/L	1		6020B	Total Recoverable
Nitrate Nitrite as N	0.0340	J	0.0500	0.0180	mg/L	1		SM 4500 NO3 F	Total/NA

Client Sample ID: 101425-Dup SW — Lab Sample ID: 752-38113-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	5.45	J B	10.1	4.03	ug/L	1		8270E	Total/NA
Sulfate	36.9		1.00	0.390	mg/L	1		9056A	Total/NA
Arsenic	2.74	J	5.00	1.32	ug/L	1		6020B	Total Recoverable
Barium	56.9		10.0	0.410	ug/L	1		6020B	Total Recoverable
Cadmium	122		0.700	0.237	ug/L	1		6020B	Total Recoverable
Cobalt	61.1		5.00	0.411	ug/L	1		6020B	Total Recoverable
Copper	3.80		2.00	0.642	ug/L	1		6020B	Total Recoverable
Manganese	6140		50.0	12.9	ug/L	10		6020B	Total Recoverable
Nickel	889		5.00	0.422	ug/L	1		6020B	Total Recoverable
Selenium	9.18		5.00	2.29	ug/L	1		6020B	Total Recoverable
Silver	4.25		1.00	0.167	ug/L	1		6020B	Total Recoverable
Vanadium	1.31	J B	5.00	1.22	ug/L	1		6020B	Total Recoverable
Zinc	1000		10.0	8.91	ug/L	1		6020B	Total Recoverable
Ammonia (as N)	0.0670		0.0500	0.0460	mg/L	1		350.1	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 101425-Dup SW (Continued)
Lab Sample ID: 752-38113-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	0.0890	J	0.100	0.0250	mg/L	1		Nitrate by calc	Total/NA
Nitrate Nitrite as N	0.0890		0.0500	0.0180	mg/L	1		SM 4500 NO3 F	Total/NA

Client Sample ID: Trip Blank
Lab Sample ID: 752-38113-11

No Detections.

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38113-1

Client Sample ID: SW-1

Date Collected: 10/14/25 11:50
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38113-1

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			10/23/25 15:32	1
Benzene	ND		1.00	0.500	ug/L			10/23/25 15:32	1
Bromobenzene	ND		1.00	0.540	ug/L			10/23/25 15:32	1
Bromoform	ND		5.00	0.250	ug/L			10/23/25 15:32	1
Bromomethane	ND		1.00	0.980	ug/L			10/23/25 15:32	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			10/23/25 15:32	1
Carbon disulfide	ND		1.00	0.500	ug/L			10/23/25 15:32	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			10/23/25 15:32	1
Chlorobenzene	ND		1.00	0.420	ug/L			10/23/25 15:32	1
Chlorobromomethane	ND		1.00	0.520	ug/L			10/23/25 15:32	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			10/23/25 15:32	1
Chloroethane	ND		1.00	0.760	ug/L			10/23/25 15:32	1
Chloroform	**1.04**		1.00	0.900	ug/L			10/23/25 15:32	1
Chloromethane	ND		1.00	0.400	ug/L			10/23/25 15:32	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			10/23/25 15:32	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			10/23/25 15:32	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			10/23/25 15:32	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			10/23/25 15:32	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			10/23/25 15:32	1
Dibromomethane	ND		5.00	0.220	ug/L			10/23/25 15:32	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			10/23/25 15:32	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			10/23/25 15:32	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			10/23/25 15:32	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			10/23/25 15:32	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			10/23/25 15:32	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			10/23/25 15:32	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			10/23/25 15:32	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 15:32	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 15:32	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 15:32	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			10/23/25 15:32	1
Ethyl acetate	ND		10.0	6.14	ug/L			10/23/25 15:32	1
Ethylbenzene	ND		1.00	0.500	ug/L			10/23/25 15:32	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			10/23/25 15:32	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			10/23/25 15:32	1
Hexane	ND		1.00	0.960	ug/L			10/23/25 15:32	1
2-Hexanone	ND		25.0	4.26	ug/L			10/23/25 15:32	1
Iodomethane	ND		1.00	0.900	ug/L			10/23/25 15:32	1
Isopropylbenzene	ND		1.00	0.530	ug/L			10/23/25 15:32	1
Isopropyl ether	ND		1.00	0.740	ug/L			10/23/25 15:32	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			10/23/25 15:32	1
Methylene Chloride	ND		5.00	3.00	ug/L			10/23/25 15:32	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			10/23/25 15:32	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			10/23/25 15:32	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			10/23/25 15:32	1
Naphthalene	ND		5.00	3.00	ug/L			10/23/25 15:32	1
n-Butylbenzene	ND		1.00	0.760	ug/L			10/23/25 15:32	1
n-Heptane	ND		1.00	0.210	ug/L			10/23/25 15:32	1
N-Propylbenzene	ND		1.00	0.690	ug/L			10/23/25 15:32	1

Client Sample ID: SW-1
Date Collected: 10/14/25 11:50
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38113-1
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			10/23/25 15:32	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			10/23/25 15:32	1
Styrene	ND		1.00	1.00	ug/L			10/23/25 15:32	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			10/23/25 15:32	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			10/23/25 15:32	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			10/23/25 15:32	1
Tetrachloroethene	ND		1.00	0.330	ug/L			10/23/25 15:32	1
Toluene	ND		1.00	0.900	ug/L			10/23/25 15:32	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			10/23/25 15:32	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			10/23/25 15:32	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			10/23/25 15:32	1
1,2,3-Trichlorobenzene	ND	*+	1.00	0.900	ug/L			10/23/25 15:32	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			10/23/25 15:32	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			10/23/25 15:32	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			10/23/25 15:32	1
Trichloroethene	ND		1.00	0.150	ug/L			10/23/25 15:32	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			10/23/25 15:32	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			10/23/25 15:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*+	1.00	0.500	ug/L			10/23/25 15:32	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			10/23/25 15:32	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			10/23/25 15:32	1
Vinyl acetate	ND		25.0	0.930	ug/L			10/23/25 15:32	1
Vinyl chloride	ND		1.00	0.500	ug/L			10/23/25 15:32	1
Xylenes, Total	ND		10.0	6.00	ug/L			10/23/25 15:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*56 - 136*		*10/23/25 15:32*	*1*
Dibromofluoromethane	*102*		*79 - 130*		*10/23/25 15:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*59 - 146*		*10/23/25 15:32*	*1*
Toluene-d8 (Surr)	*112*		*64 - 132*		*10/23/25 15:32*	*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		0.277	0.277	ug/L		10/17/25 16:48	10/20/25 18:30	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*26*		*10 - 140*	*10/17/25 16:48*	*10/20/25 18:30*	*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		10.1	0.426	ug/L		10/17/25 11:52	10/22/25 21:10	1
2,4,5-Trichlorophenol	ND		10.1	0.547	ug/L		10/17/25 11:52	10/22/25 21:10	1
2,4,6-Trichlorophenol	ND		10.1	1.10	ug/L		10/17/25 11:52	10/22/25 21:10	1
2,4-Dichlorophenol	ND		10.1	0.578	ug/L		10/17/25 11:52	10/22/25 21:10	1
2,4-Dimethylphenol	ND		10.1	0.243	ug/L		10/17/25 11:52	10/22/25 21:10	1
2,4-Dinitrophenol	ND		30.4	4.74	ug/L		10/17/25 11:52	10/22/25 21:10	1
2,4-Dinitrotoluene	ND		10.1	0.659	ug/L		10/17/25 11:52	10/22/25 21:10	1
2,6-Dinitrotoluene	ND		10.1	0.294	ug/L		10/17/25 11:52	10/22/25 21:10	1
2-Chloronaphthalene	ND		10.1	0.385	ug/L		10/17/25 11:52	10/22/25 21:10	1
2-Chlorophenol	ND		10.1	0.851	ug/L		10/17/25 11:52	10/22/25 21:10	1
2-Methylnaphthalene	ND		10.1	0.821	ug/L		10/17/25 11:52	10/22/25 21:10	1

Client Sample ID: SW-1
Date Collected: 10/14/25 11:50
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38113-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		10.1	0.770	ug/L		10/17/25 11:52	10/22/25 21:10	1
2-Nitroaniline	ND		10.1	1.39	ug/L		10/17/25 11:52	10/22/25 21:10	1
2-Nitrophenol	ND		10.1	1.19	ug/L		10/17/25 11:52	10/22/25 21:10	1
3 & 4 Methylphenol	ND		20.3	4.66	ug/L		10/17/25 11:52	10/22/25 21:10	1
3,3'-Dichlorobenzidine	ND		11.1	0.416	ug/L		10/17/25 11:52	10/22/25 21:10	1
3-Nitroaniline	ND		10.1	0.963	ug/L		10/17/25 11:52	10/22/25 21:10	1
4,6-Dinitro-2-methylphenol	ND		10.1	2.00	ug/L		10/17/25 11:52	10/22/25 21:10	1
4-Bromophenyl phenyl ether	ND		10.1	0.132	ug/L		10/17/25 11:52	10/22/25 21:10	1
4-Chloro-3-methylphenol	ND		10.1	0.740	ug/L		10/17/25 11:52	10/22/25 21:10	1
4-Chloroaniline	ND		10.1	0.588	ug/L		10/17/25 11:52	10/22/25 21:10	1
4-Chlorophenyl phenyl ether	ND		10.1	0.243	ug/L		10/17/25 11:52	10/22/25 21:10	1
4-Nitroaniline	ND		10.1	3.55	ug/L		10/17/25 11:52	10/22/25 21:10	1
4-Nitrophenol	ND		10.1	2.78	ug/L		10/17/25 11:52	10/22/25 21:10	1
Acenaphthene	ND		10.1	0.639	ug/L		10/17/25 11:52	10/22/25 21:10	1
Acenaphthylene	ND		10.1	0.770	ug/L		10/17/25 11:52	10/22/25 21:10	1
Acetophenone	ND		10.1	3.24	ug/L		10/17/25 11:52	10/22/25 21:10	1
Anthracene	ND		10.1	0.922	ug/L		10/17/25 11:52	10/22/25 21:10	1
Atrazine	ND		10.1	1.15	ug/L		10/17/25 11:52	10/22/25 21:10	1
Benzaldehyde	ND		10.1	0.679	ug/L		10/17/25 11:52	10/22/25 21:10	1
Benzo[a]anthracene	ND		10.1	1.01	ug/L		10/17/25 11:52	10/22/25 21:10	1
Benzo[a]pyrene	ND		10.1	1.11	ug/L		10/17/25 11:52	10/22/25 21:10	1
Benzo[b]fluoranthene	ND		10.1	1.22	ug/L		10/17/25 11:52	10/22/25 21:10	1
Benzo[g,h,i]perylene	ND		10.1	1.52	ug/L		10/17/25 11:52	10/22/25 21:10	1
Benzo[k]fluoranthene	ND		10.1	1.52	ug/L		10/17/25 11:52	10/22/25 21:10	1
bis (2-chloroisopropyl) ether	ND		10.1	0.943	ug/L		10/17/25 11:52	10/22/25 21:10	1
Bis(2-chloroethoxy)methane	ND		10.1	0.345	ug/L		10/17/25 11:52	10/22/25 21:10	1
Bis(2-chloroethyl)ether	ND		10.1	0.740	ug/L		10/17/25 11:52	10/22/25 21:10	1
Bis(2-ethylhexyl) phthalate	**5.97**	**J B**	10.1	4.05	ug/L		10/17/25 11:52	10/22/25 21:10	1
Butyl benzyl phthalate	ND		10.1	4.05	ug/L		10/17/25 11:52	10/22/25 21:10	1
Caprolactam	ND	*+	10.1	2.43	ug/L		10/17/25 11:52	10/22/25 21:10	1
Carbazole	ND		10.1	0.324	ug/L		10/17/25 11:52	10/22/25 21:10	1
Chrysene	ND		10.1	1.22	ug/L		10/17/25 11:52	10/22/25 21:10	1
Dibenz(a,h)anthracene	ND		10.1	1.32	ug/L		10/17/25 11:52	10/22/25 21:10	1
Dibenzofuran	ND		10.1	0.649	ug/L		10/17/25 11:52	10/22/25 21:10	1
Diethyl phthalate	ND		10.1	4.05	ug/L		10/17/25 11:52	10/22/25 21:10	1
Dimethyl phthalate	ND		10.1	4.05	ug/L		10/17/25 11:52	10/22/25 21:10	1
Di-n-butyl phthalate	ND		10.1	8.30	ug/L		10/17/25 11:52	10/22/25 21:10	1
Di-n-octyl phthalate	ND		10.1	4.05	ug/L		10/17/25 11:52	10/22/25 21:10	1
Fluoranthene	ND		10.1	0.639	ug/L		10/17/25 11:52	10/22/25 21:10	1
Fluorene	ND		10.1	0.679	ug/L		10/17/25 11:52	10/22/25 21:10	1
Hexachlorobenzene	ND		10.1	0.253	ug/L		10/17/25 11:52	10/22/25 21:10	1
Hexachlorobutadiene	ND		10.1	0.557	ug/L		10/17/25 11:52	10/22/25 21:10	1
Hexachlorocyclopentadiene	ND		20.3	0.324	ug/L		10/17/25 11:52	10/22/25 21:10	1
Hexachloroethane	ND		10.1	0.537	ug/L		10/17/25 11:52	10/22/25 21:10	1
Indeno[1,2,3-cd]pyrene	ND		10.1	1.11	ug/L		10/17/25 11:52	10/22/25 21:10	1
Isophorone	ND		10.1	0.811	ug/L		10/17/25 11:52	10/22/25 21:10	1
Naphthalene	ND		10.1	0.760	ug/L		10/17/25 11:52	10/22/25 21:10	1
Nitrobenzene	ND		10.1	0.608	ug/L		10/17/25 11:52	10/22/25 21:10	1
N-Nitrosodi-n-propylamine	ND		10.1	0.334	ug/L		10/17/25 11:52	10/22/25 21:10	1

Client Sample ID: SW-1

Date Collected: 10/14/25 11:50
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38113-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		10.1	0.193	ug/L		10/17/25 11:52	10/22/25 21:10	1
Pentachlorophenol	ND		10.1	2.84	ug/L		10/17/25 11:52	10/22/25 21:10	1
Phenanthrene	ND		10.1	0.750	ug/L		10/17/25 11:52	10/22/25 21:10	1
Phenol	ND		10.1	0.689	ug/L		10/17/25 11:52	10/22/25 21:10	1
Pyrene	ND		10.1	0.639	ug/L		10/17/25 11:52	10/22/25 21:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*91*		*10 - 150*	*10/17/25 11:52*	*10/22/25 21:10*	*1*
2-Fluorobiphenyl (Surr)	*82*		*25 - 139*	*10/17/25 11:52*	*10/22/25 21:10*	*1*
2-Fluorophenol (Surr)	*83*		*10 - 150*	*10/17/25 11:52*	*10/22/25 21:10*	*1*
Nitrobenzene-d5 (Surr)	*79*		*22 - 150*	*10/17/25 11:52*	*10/22/25 21:10*	*1*
Phenol-d5 (Surr)	*70*		*10 - 150*	*10/17/25 11:52*	*10/22/25 21:10*	*1*
Terphenyl-d14 (Surr)	*74*		*28 - 150*	*10/17/25 11:52*	*10/22/25 21:10*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**36.4**		1.00	0.390	mg/L			10/24/25 03:56	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		10/21/25 07:23	10/21/25 20:44	1
Arsenic	ND		5.00	1.32	ug/L		10/21/25 07:23	10/21/25 20:44	1
Barium	**40.4**		10.0	0.410	ug/L		10/21/25 07:23	10/21/25 20:44	1
Beryllium	ND		1.00	0.147	ug/L		10/21/25 07:23	10/21/25 20:44	1
Cadmium	ND		0.700	0.237	ug/L		10/21/25 07:23	10/21/25 20:44	1
Chromium	ND		5.00	3.69	ug/L		10/21/25 07:23	10/21/25 20:44	1
Cobalt	ND		5.00	0.411	ug/L		10/21/25 07:23	10/21/25 20:44	1
Copper	**2.44**		2.00	0.642	ug/L		10/21/25 07:23	10/21/25 20:44	1
Lead	**2.72**		1.00	0.864	ug/L		10/21/25 07:23	10/21/25 20:44	1
Manganese	**316**		5.00	1.29	ug/L		10/21/25 07:23	10/21/25 20:44	1
Nickel	**0.901**	**J**	5.00	0.422	ug/L		10/21/25 07:23	10/21/25 20:44	1
Selenium	ND		5.00	2.29	ug/L		10/21/25 07:23	10/21/25 20:44	1
Silver	ND		1.00	0.167	ug/L		10/21/25 07:23	10/21/25 20:44	1
Thallium	ND		1.00	0.190	ug/L		10/21/25 07:23	10/21/25 20:44	1
Vanadium	**2.67**	**J B**	5.00	1.22	ug/L		10/21/25 07:23	10/21/25 20:44	1
Zinc	**24.1**		10.0	8.91	ug/L		10/21/25 07:23	10/21/25 20:44	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.182**	**J**	0.200	0.166	ug/L		10/23/25 08:45	10/23/25 20:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	**0.238**		0.0500	0.0460	mg/L			10/21/25 12:50	1
Nitrite as N (EPA 353.2)	ND		0.100	0.0168	mg/L			10/15/25 14:37	1
Nitrate as N (SM Nitrate by calc)	**0.0910**	**J**	0.100	0.0250	mg/L			10/21/25 09:23	1
Nitrate Nitrite as N (SM 4500 NO3 F)	**0.0910**		0.0500	0.0180	mg/L			10/17/25 17:19	1

Client: S&ME Inc
Job ID: 752-38113-1
Project/Site: East End Park, Durham, NC

Client Sample ID: SW-2
Lab Sample ID: 752-38113-2
Date Collected: 10/14/25 12:30
Matrix: Water
Date Received: 10/15/25 08:00

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			10/23/25 15:56	1
Benzene	ND		1.00	0.500	ug/L			10/23/25 15:56	1
Bromobenzene	ND		1.00	0.540	ug/L			10/23/25 15:56	1
Bromoform	ND		5.00	0.250	ug/L			10/23/25 15:56	1
Bromomethane	ND		1.00	0.980	ug/L			10/23/25 15:56	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			10/23/25 15:56	1
Carbon disulfide	ND		1.00	0.500	ug/L			10/23/25 15:56	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			10/23/25 15:56	1
Chlorobenzene	ND		1.00	0.420	ug/L			10/23/25 15:56	1
Chlorobromomethane	ND		1.00	0.520	ug/L			10/23/25 15:56	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			10/23/25 15:56	1
Chloroethane	ND		1.00	0.760	ug/L			10/23/25 15:56	1
Chloroform	ND		1.00	0.900	ug/L			10/23/25 15:56	1
Chloromethane	ND		1.00	0.400	ug/L			10/23/25 15:56	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			10/23/25 15:56	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			10/23/25 15:56	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			10/23/25 15:56	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			10/23/25 15:56	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			10/23/25 15:56	1
Dibromomethane	ND		5.00	0.220	ug/L			10/23/25 15:56	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			10/23/25 15:56	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			10/23/25 15:56	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			10/23/25 15:56	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			10/23/25 15:56	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			10/23/25 15:56	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			10/23/25 15:56	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			10/23/25 15:56	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 15:56	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 15:56	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 15:56	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			10/23/25 15:56	1
Ethyl acetate	ND		10.0	6.14	ug/L			10/23/25 15:56	1
Ethylbenzene	ND		1.00	0.500	ug/L			10/23/25 15:56	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			10/23/25 15:56	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			10/23/25 15:56	1
Hexane	ND		1.00	0.960	ug/L			10/23/25 15:56	1
2-Hexanone	ND		25.0	4.26	ug/L			10/23/25 15:56	1
Iodomethane	ND		1.00	0.900	ug/L			10/23/25 15:56	1
Isopropylbenzene	ND		1.00	0.530	ug/L			10/23/25 15:56	1
Isopropyl ether	ND		1.00	0.740	ug/L			10/23/25 15:56	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			10/23/25 15:56	1
Methylene Chloride	ND		5.00	3.00	ug/L			10/23/25 15:56	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			10/23/25 15:56	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			10/23/25 15:56	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			10/23/25 15:56	1
Naphthalene	ND		5.00	3.00	ug/L			10/23/25 15:56	1
n-Butylbenzene	ND		1.00	0.760	ug/L			10/23/25 15:56	1
n-Heptane	ND		1.00	0.210	ug/L			10/23/25 15:56	1
N-Propylbenzene	ND		1.00	0.690	ug/L			10/23/25 15:56	1

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38113-1

Client Sample ID: SW-2

Date Collected: 10/14/25 12:30
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38113-2

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			10/23/25 15:56	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			10/23/25 15:56	1
Styrene	ND		1.00	1.00	ug/L			10/23/25 15:56	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			10/23/25 15:56	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			10/23/25 15:56	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			10/23/25 15:56	1
Tetrachloroethene	ND		1.00	0.330	ug/L			10/23/25 15:56	1
Toluene	ND		1.00	0.900	ug/L			10/23/25 15:56	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			10/23/25 15:56	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			10/23/25 15:56	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			10/23/25 15:56	1
1,2,3-Trichlorobenzene	ND	*+	1.00	0.900	ug/L			10/23/25 15:56	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			10/23/25 15:56	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			10/23/25 15:56	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			10/23/25 15:56	1
Trichloroethene	ND		1.00	0.150	ug/L			10/23/25 15:56	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			10/23/25 15:56	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			10/23/25 15:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*+	1.00	0.500	ug/L			10/23/25 15:56	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			10/23/25 15:56	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			10/23/25 15:56	1
Vinyl acetate	ND		25.0	0.930	ug/L			10/23/25 15:56	1
Vinyl chloride	ND		1.00	0.500	ug/L			10/23/25 15:56	1
Xylenes, Total	ND		10.0	6.00	ug/L			10/23/25 15:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*56 - 136*		*10/23/25 15:56*	*1*
Dibromofluoromethane	*103*		*79 - 130*		*10/23/25 15:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*59 - 146*		*10/23/25 15:56*	*1*
Toluene-d8 (Surr)	*112*		*64 - 132*		*10/23/25 15:56*	*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		0.293	0.293	ug/L		10/17/25 16:48	10/20/25 18:51	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*29*		*10 - 140*	*10/17/25 16:48*	*10/20/25 18:51*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		10.0	0.421	ug/L		10/17/25 11:52	10/22/25 21:40	1
2,4,5-Trichlorophenol	ND		10.0	0.542	ug/L		10/17/25 11:52	10/22/25 21:40	1
2,4,6-Trichlorophenol	ND		10.0	1.09	ug/L		10/17/25 11:52	10/22/25 21:40	1
2,4-Dichlorophenol	ND		10.0	0.572	ug/L		10/17/25 11:52	10/22/25 21:40	1
2,4-Dimethylphenol	ND		10.0	0.241	ug/L		10/17/25 11:52	10/22/25 21:40	1
2,4-Dinitrophenol	ND		30.1	4.70	ug/L		10/17/25 11:52	10/22/25 21:40	1
2,4-Dinitrotoluene	ND		10.0	0.652	ug/L		10/17/25 11:52	10/22/25 21:40	1
2,6-Dinitrotoluene	ND		10.0	0.291	ug/L		10/17/25 11:52	10/22/25 21:40	1
2-Chloronaphthalene	ND		10.0	0.381	ug/L		10/17/25 11:52	10/22/25 21:40	1
2-Chlorophenol	ND		10.0	0.843	ug/L		10/17/25 11:52	10/22/25 21:40	1
2-Methylnaphthalene	ND		10.0	0.813	ug/L		10/17/25 11:52	10/22/25 21:40	1

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38113-1

Client Sample ID: SW-2
Date Collected: 10/14/25 12:30
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38113-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		10.0	0.763	ug/L		10/17/25 11:52	10/22/25 21:40	1
2-Nitroaniline	ND		10.0	1.37	ug/L		10/17/25 11:52	10/22/25 21:40	1
2-Nitrophenol	ND		10.0	1.17	ug/L		10/17/25 11:52	10/22/25 21:40	1
3 & 4 Methylphenol	ND		20.1	4.62	ug/L		10/17/25 11:52	10/22/25 21:40	1
3,3'-Dichlorobenzidine	ND		11.0	0.411	ug/L		10/17/25 11:52	10/22/25 21:40	1
3-Nitroaniline	ND		10.0	0.953	ug/L		10/17/25 11:52	10/22/25 21:40	1
4,6-Dinitro-2-methylphenol	ND		10.0	1.98	ug/L		10/17/25 11:52	10/22/25 21:40	1
4-Bromophenyl phenyl ether	ND		10.0	0.130	ug/L		10/17/25 11:52	10/22/25 21:40	1
4-Chloro-3-methylphenol	ND		10.0	0.732	ug/L		10/17/25 11:52	10/22/25 21:40	1
4-Chloroaniline	ND		10.0	0.582	ug/L		10/17/25 11:52	10/22/25 21:40	1
4-Chlorophenyl phenyl ether	ND		10.0	0.241	ug/L		10/17/25 11:52	10/22/25 21:40	1
4-Nitroaniline	ND		10.0	3.51	ug/L		10/17/25 11:52	10/22/25 21:40	1
4-Nitrophenol	ND		10.0	2.75	ug/L		10/17/25 11:52	10/22/25 21:40	1
Acenaphthene	ND		10.0	0.632	ug/L		10/17/25 11:52	10/22/25 21:40	1
Acenaphthylene	ND		10.0	0.763	ug/L		10/17/25 11:52	10/22/25 21:40	1
Acetophenone	ND		10.0	3.21	ug/L		10/17/25 11:52	10/22/25 21:40	1
Anthracene	ND		10.0	0.913	ug/L		10/17/25 11:52	10/22/25 21:40	1
Atrazine	ND		10.0	1.13	ug/L		10/17/25 11:52	10/22/25 21:40	1
Benzaldehyde	ND		10.0	0.672	ug/L		10/17/25 11:52	10/22/25 21:40	1
Benzo[a]anthracene	ND		10.0	1.00	ug/L		10/17/25 11:52	10/22/25 21:40	1
Benzo[a]pyrene	ND		10.0	1.10	ug/L		10/17/25 11:52	10/22/25 21:40	1
Benzo[b]fluoranthene	ND		10.0	1.20	ug/L		10/17/25 11:52	10/22/25 21:40	1
Benzo[g,h,i]perylene	ND		10.0	1.51	ug/L		10/17/25 11:52	10/22/25 21:40	1
Benzo[k]fluoranthene	ND		10.0	1.51	ug/L		10/17/25 11:52	10/22/25 21:40	1
bis (2-chloroisopropyl) ether	ND		10.0	0.933	ug/L		10/17/25 11:52	10/22/25 21:40	1
Bis(2-chloroethoxy)methane	ND		10.0	0.341	ug/L		10/17/25 11:52	10/22/25 21:40	1
Bis(2-chloroethyl)ether	ND		10.0	0.732	ug/L		10/17/25 11:52	10/22/25 21:40	1
Bis(2-ethylhexyl) phthalate	**5.46**	**J B**	10.0	4.01	ug/L		10/17/25 11:52	10/22/25 21:40	1
Butyl benzyl phthalate	ND		10.0	4.01	ug/L		10/17/25 11:52	10/22/25 21:40	1
Caprolactam	ND	*+	10.0	2.41	ug/L		10/17/25 11:52	10/22/25 21:40	1
Carbazole	ND		10.0	0.321	ug/L		10/17/25 11:52	10/22/25 21:40	1
Chrysene	ND		10.0	1.20	ug/L		10/17/25 11:52	10/22/25 21:40	1
Dibenz(a,h)anthracene	ND		10.0	1.30	ug/L		10/17/25 11:52	10/22/25 21:40	1
Dibenzofuran	ND		10.0	0.642	ug/L		10/17/25 11:52	10/22/25 21:40	1
Diethyl phthalate	ND		10.0	4.01	ug/L		10/17/25 11:52	10/22/25 21:40	1
Dimethyl phthalate	ND		10.0	4.01	ug/L		10/17/25 11:52	10/22/25 21:40	1
Di-n-butyl phthalate	ND		10.0	8.22	ug/L		10/17/25 11:52	10/22/25 21:40	1
Di-n-octyl phthalate	ND		10.0	4.01	ug/L		10/17/25 11:52	10/22/25 21:40	1
Fluoranthene	ND		10.0	0.632	ug/L		10/17/25 11:52	10/22/25 21:40	1
Fluorene	ND		10.0	0.672	ug/L		10/17/25 11:52	10/22/25 21:40	1
Hexachlorobenzene	ND		10.0	0.251	ug/L		10/17/25 11:52	10/22/25 21:40	1
Hexachlorobutadiene	ND		10.0	0.552	ug/L		10/17/25 11:52	10/22/25 21:40	1
Hexachlorocyclopentadiene	ND		20.1	0.321	ug/L		10/17/25 11:52	10/22/25 21:40	1
Hexachloroethane	ND		10.0	0.532	ug/L		10/17/25 11:52	10/22/25 21:40	1
Indeno[1,2,3-cd]pyrene	ND		10.0	1.10	ug/L		10/17/25 11:52	10/22/25 21:40	1
Isophorone	ND		10.0	0.803	ug/L		10/17/25 11:52	10/22/25 21:40	1
Naphthalene	ND		10.0	0.753	ug/L		10/17/25 11:52	10/22/25 21:40	1
Nitrobenzene	ND		10.0	0.602	ug/L		10/17/25 11:52	10/22/25 21:40	1
N-Nitrosodi-n-propylamine	ND		10.0	0.331	ug/L		10/17/25 11:52	10/22/25 21:40	1

Client Sample ID: SW-2

Date Collected: 10/14/25 12:30
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38113-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		10.0	0.191	ug/L		10/17/25 11:52	10/22/25 21:40	1
Pentachlorophenol	ND		10.0	2.81	ug/L		10/17/25 11:52	10/22/25 21:40	1
Phenanthrene	ND		10.0	0.742	ug/L		10/17/25 11:52	10/22/25 21:40	1
Phenol	ND		10.0	0.682	ug/L		10/17/25 11:52	10/22/25 21:40	1
Pyrene	ND		10.0	0.632	ug/L		10/17/25 11:52	10/22/25 21:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*92*		*10 - 150*	*10/17/25 11:52*	*10/22/25 21:40*	*1*
2-Fluorobiphenyl (Surr)	*81*		*25 - 139*	*10/17/25 11:52*	*10/22/25 21:40*	*1*
2-Fluorophenol (Surr)	*90*		*10 - 150*	*10/17/25 11:52*	*10/22/25 21:40*	*1*
Nitrobenzene-d5 (Surr)	*81*		*22 - 150*	*10/17/25 11:52*	*10/22/25 21:40*	*1*
Phenol-d5 (Surr)	*77*		*10 - 150*	*10/17/25 11:52*	*10/22/25 21:40*	*1*
Terphenyl-d14 (Surr)	*67*		*28 - 150*	*10/17/25 11:52*	*10/22/25 21:40*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**34.7**		1.00	0.390	mg/L			10/24/25 04:05	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		10/21/25 07:23	10/21/25 20:47	1
Arsenic	ND		5.00	1.32	ug/L		10/21/25 07:23	10/21/25 20:47	1
Barium	**41.3**		10.0	0.410	ug/L		10/21/25 07:23	10/21/25 20:47	1
Beryllium	ND		1.00	0.147	ug/L		10/21/25 07:23	10/21/25 20:47	1
Cadmium	ND		0.700	0.237	ug/L		10/21/25 07:23	10/21/25 20:47	1
Chromium	ND		5.00	3.69	ug/L		10/21/25 07:23	10/21/25 20:47	1
Cobalt	ND		5.00	0.411	ug/L		10/21/25 07:23	10/21/25 20:47	1
Copper	**1.89**	**J**	2.00	0.642	ug/L		10/21/25 07:23	10/21/25 20:47	1
Lead	**1.78**		1.00	0.864	ug/L		10/21/25 07:23	10/21/25 20:47	1
Manganese	**183**		5.00	1.29	ug/L		10/21/25 07:23	10/21/25 20:47	1
Nickel	**0.909**	**J**	5.00	0.422	ug/L		10/21/25 07:23	10/21/25 20:47	1
Selenium	ND		5.00	2.29	ug/L		10/21/25 07:23	10/21/25 20:47	1
Silver	ND		1.00	0.167	ug/L		10/21/25 07:23	10/21/25 20:47	1
Thallium	ND		1.00	0.190	ug/L		10/21/25 07:23	10/21/25 20:47	1
Vanadium	**2.37**	**J B**	5.00	1.22	ug/L		10/21/25 07:23	10/21/25 20:47	1
Zinc	ND		10.0	8.91	ug/L		10/21/25 07:23	10/21/25 20:47	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.255**		0.200	0.166	ug/L		10/23/25 08:45	10/23/25 20:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	**0.0690**		0.0500	0.0460	mg/L			10/21/25 13:05	1
Nitrite as N (EPA 353.2)	ND		0.100	0.0168	mg/L			10/15/25 14:38	1
Nitrate as N (SM Nitrate by calc)	ND		0.100	0.0250	mg/L			10/21/25 09:23	1
Nitrate Nitrite as N (SM 4500 NO3 F)	**0.0350**	**J**	0.0500	0.0180	mg/L			10/17/25 17:24	1

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38113-1

Client Sample ID: SW-3

Date Collected: 10/14/25 13:05
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38113-3

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			10/23/25 16:20	1
Benzene	ND		1.00	0.500	ug/L			10/23/25 16:20	1
Bromobenzene	ND		1.00	0.540	ug/L			10/23/25 16:20	1
Bromoform	ND		5.00	0.250	ug/L			10/23/25 16:20	1
Bromomethane	ND		1.00	0.980	ug/L			10/23/25 16:20	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			10/23/25 16:20	1
Carbon disulfide	ND		1.00	0.500	ug/L			10/23/25 16:20	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			10/23/25 16:20	1
Chlorobenzene	ND		1.00	0.420	ug/L			10/23/25 16:20	1
Chlorobromomethane	ND		1.00	0.520	ug/L			10/23/25 16:20	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			10/23/25 16:20	1
Chloroethane	ND		1.00	0.760	ug/L			10/23/25 16:20	1
Chloroform	ND		1.00	0.900	ug/L			10/23/25 16:20	1
Chloromethane	ND		1.00	0.400	ug/L			10/23/25 16:20	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			10/23/25 16:20	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			10/23/25 16:20	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			10/23/25 16:20	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			10/23/25 16:20	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			10/23/25 16:20	1
Dibromomethane	ND		5.00	0.220	ug/L			10/23/25 16:20	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			10/23/25 16:20	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			10/23/25 16:20	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			10/23/25 16:20	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			10/23/25 16:20	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			10/23/25 16:20	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			10/23/25 16:20	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			10/23/25 16:20	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 16:20	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 16:20	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 16:20	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			10/23/25 16:20	1
Ethyl acetate	ND		10.0	6.14	ug/L			10/23/25 16:20	1
Ethylbenzene	ND		1.00	0.500	ug/L			10/23/25 16:20	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			10/23/25 16:20	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			10/23/25 16:20	1
Hexane	ND		1.00	0.960	ug/L			10/23/25 16:20	1
2-Hexanone	ND		25.0	4.26	ug/L			10/23/25 16:20	1
Iodomethane	ND		1.00	0.900	ug/L			10/23/25 16:20	1
Isopropylbenzene	ND		1.00	0.530	ug/L			10/23/25 16:20	1
Isopropyl ether	ND		1.00	0.740	ug/L			10/23/25 16:20	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			10/23/25 16:20	1
Methylene Chloride	ND		5.00	3.00	ug/L			10/23/25 16:20	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			10/23/25 16:20	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			10/23/25 16:20	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			10/23/25 16:20	1
Naphthalene	ND		5.00	3.00	ug/L			10/23/25 16:20	1
n-Butylbenzene	ND		1.00	0.760	ug/L			10/23/25 16:20	1
n-Heptane	ND		1.00	0.210	ug/L			10/23/25 16:20	1
N-Propylbenzene	ND		1.00	0.690	ug/L			10/23/25 16:20	1

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38113-1

Client Sample ID: SW-3
Date Collected: 10/14/25 13:05
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38113-3
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			10/23/25 16:20	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			10/23/25 16:20	1
Styrene	ND		1.00	1.00	ug/L			10/23/25 16:20	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			10/23/25 16:20	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			10/23/25 16:20	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			10/23/25 16:20	1
Tetrachloroethene	ND		1.00	0.330	ug/L			10/23/25 16:20	1
Toluene	**1.35**		1.00	0.900	ug/L			10/23/25 16:20	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			10/23/25 16:20	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			10/23/25 16:20	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			10/23/25 16:20	1
1,2,3-Trichlorobenzene	ND	*+	1.00	0.900	ug/L			10/23/25 16:20	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			10/23/25 16:20	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			10/23/25 16:20	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			10/23/25 16:20	1
Trichloroethene	ND		1.00	0.150	ug/L			10/23/25 16:20	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			10/23/25 16:20	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			10/23/25 16:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*+	1.00	0.500	ug/L			10/23/25 16:20	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			10/23/25 16:20	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			10/23/25 16:20	1
Vinyl acetate	ND		25.0	0.930	ug/L			10/23/25 16:20	1
Vinyl chloride	ND		1.00	0.500	ug/L			10/23/25 16:20	1
Xylenes, Total	ND		10.0	6.00	ug/L			10/23/25 16:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*56 - 136*		*10/23/25 16:20*	*1*
Dibromofluoromethane	*103*		*79 - 130*		*10/23/25 16:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*59 - 146*		*10/23/25 16:20*	*1*
Toluene-d8 (Surr)	*112*		*64 - 132*		*10/23/25 16:20*	*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		0.280	0.280	ug/L		10/20/25 17:01	10/21/25 22:23	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*34*		*10 - 140*	*10/20/25 17:01*	*10/21/25 22:23*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		10.1	0.423	ug/L		10/17/25 11:52	10/22/25 22:10	1
2,4,5-Trichlorophenol	ND		10.1	0.544	ug/L		10/17/25 11:52	10/22/25 22:10	1
2,4,6-Trichlorophenol	ND		10.1	1.10	ug/L		10/17/25 11:52	10/22/25 22:10	1
2,4-Dichlorophenol	ND		10.1	0.574	ug/L		10/17/25 11:52	10/22/25 22:10	1
2,4-Dimethylphenol	ND		10.1	0.242	ug/L		10/17/25 11:52	10/22/25 22:10	1
2,4-Dinitrophenol	ND		30.2	4.71	ug/L		10/17/25 11:52	10/22/25 22:10	1
2,4-Dinitrotoluene	ND		10.1	0.654	ug/L		10/17/25 11:52	10/22/25 22:10	1
2,6-Dinitrotoluene	ND		10.1	0.292	ug/L		10/17/25 11:52	10/22/25 22:10	1
2-Chloronaphthalene	ND		10.1	0.383	ug/L		10/17/25 11:52	10/22/25 22:10	1
2-Chlorophenol	ND		10.1	0.846	ug/L		10/17/25 11:52	10/22/25 22:10	1
2-Methylnaphthalene	ND		10.1	0.815	ug/L		10/17/25 11:52	10/22/25 22:10	1

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38113-1

Client Sample ID: SW-3

Date Collected: 10/14/25 13:05
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38113-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		10.1	0.765	ug/L		10/17/25 11:52	10/22/25 22:10	1
2-Nitroaniline	ND		10.1	1.38	ug/L		10/17/25 11:52	10/22/25 22:10	1
2-Nitrophenol	ND		10.1	1.18	ug/L		10/17/25 11:52	10/22/25 22:10	1
3 & 4 Methylphenol	ND		20.1	4.63	ug/L		10/17/25 11:52	10/22/25 22:10	1
3,3'-Dichlorobenzidine	ND		11.1	0.413	ug/L		10/17/25 11:52	10/22/25 22:10	1
3-Nitroaniline	ND		10.1	0.956	ug/L		10/17/25 11:52	10/22/25 22:10	1
4,6-Dinitro-2-methylphenol	ND		10.1	1.98	ug/L		10/17/25 11:52	10/22/25 22:10	1
4-Bromophenyl phenyl ether	ND		10.1	0.131	ug/L		10/17/25 11:52	10/22/25 22:10	1
4-Chloro-3-methylphenol	ND		10.1	0.735	ug/L		10/17/25 11:52	10/22/25 22:10	1
4-Chloroaniline	ND		10.1	0.584	ug/L		10/17/25 11:52	10/22/25 22:10	1
4-Chlorophenyl phenyl ether	ND		10.1	0.242	ug/L		10/17/25 11:52	10/22/25 22:10	1
4-Nitroaniline	ND		10.1	3.52	ug/L		10/17/25 11:52	10/22/25 22:10	1
4-Nitrophenol	ND		10.1	2.76	ug/L		10/17/25 11:52	10/22/25 22:10	1
Acenaphthene	ND		10.1	0.634	ug/L		10/17/25 11:52	10/22/25 22:10	1
Acenaphthylene	ND		10.1	0.765	ug/L		10/17/25 11:52	10/22/25 22:10	1
Acetophenone	ND		10.1	3.22	ug/L		10/17/25 11:52	10/22/25 22:10	1
Anthracene	ND		10.1	0.916	ug/L		10/17/25 11:52	10/22/25 22:10	1
Atrazine	ND		10.1	1.14	ug/L		10/17/25 11:52	10/22/25 22:10	1
Benzaldehyde	ND		10.1	0.674	ug/L		10/17/25 11:52	10/22/25 22:10	1
Benzo[a]anthracene	ND		10.1	1.01	ug/L		10/17/25 11:52	10/22/25 22:10	1
Benzo[a]pyrene	ND		10.1	1.11	ug/L		10/17/25 11:52	10/22/25 22:10	1
Benzo[b]fluoranthene	ND		10.1	1.21	ug/L		10/17/25 11:52	10/22/25 22:10	1
Benzo[g,h,i]perylene	ND		10.1	1.51	ug/L		10/17/25 11:52	10/22/25 22:10	1
Benzo[k]fluoranthene	ND		10.1	1.51	ug/L		10/17/25 11:52	10/22/25 22:10	1
bis (2-chloroisopropyl) ether	ND		10.1	0.936	ug/L		10/17/25 11:52	10/22/25 22:10	1
Bis(2-chloroethoxy)methane	ND		10.1	0.342	ug/L		10/17/25 11:52	10/22/25 22:10	1
Bis(2-chloroethyl)ether	ND		10.1	0.735	ug/L		10/17/25 11:52	10/22/25 22:10	1
Bis(2-ethylhexyl) phthalate	**5.44**	**J B**	10.1	4.03	ug/L		10/17/25 11:52	10/22/25 22:10	1
Butyl benzyl phthalate	ND		10.1	4.03	ug/L		10/17/25 11:52	10/22/25 22:10	1
Caprolactam	ND	*+	10.1	2.42	ug/L		10/17/25 11:52	10/22/25 22:10	1
Carbazole	ND		10.1	0.322	ug/L		10/17/25 11:52	10/22/25 22:10	1
Chrysene	ND		10.1	1.21	ug/L		10/17/25 11:52	10/22/25 22:10	1
Dibenz(a,h)anthracene	ND		10.1	1.31	ug/L		10/17/25 11:52	10/22/25 22:10	1
Dibenzofuran	ND		10.1	0.644	ug/L		10/17/25 11:52	10/22/25 22:10	1
Diethyl phthalate	ND		10.1	4.03	ug/L		10/17/25 11:52	10/22/25 22:10	1
Dimethyl phthalate	ND		10.1	4.03	ug/L		10/17/25 11:52	10/22/25 22:10	1
Di-n-butyl phthalate	ND		10.1	8.24	ug/L		10/17/25 11:52	10/22/25 22:10	1
Di-n-octyl phthalate	ND		10.1	4.03	ug/L		10/17/25 11:52	10/22/25 22:10	1
Fluoranthene	ND		10.1	0.634	ug/L		10/17/25 11:52	10/22/25 22:10	1
Fluorene	ND		10.1	0.674	ug/L		10/17/25 11:52	10/22/25 22:10	1
Hexachlorobenzene	ND		10.1	0.252	ug/L		10/17/25 11:52	10/22/25 22:10	1
Hexachlorobutadiene	ND		10.1	0.554	ug/L		10/17/25 11:52	10/22/25 22:10	1
Hexachlorocyclopentadiene	ND		20.1	0.322	ug/L		10/17/25 11:52	10/22/25 22:10	1
Hexachloroethane	ND		10.1	0.534	ug/L		10/17/25 11:52	10/22/25 22:10	1
Indeno[1,2,3-cd]pyrene	ND		10.1	1.11	ug/L		10/17/25 11:52	10/22/25 22:10	1
Isophorone	ND		10.1	0.805	ug/L		10/17/25 11:52	10/22/25 22:10	1
Naphthalene	ND		10.1	0.755	ug/L		10/17/25 11:52	10/22/25 22:10	1
Nitrobenzene	ND		10.1	0.604	ug/L		10/17/25 11:52	10/22/25 22:10	1
N-Nitrosodi-n-propylamine	ND		10.1	0.332	ug/L		10/17/25 11:52	10/22/25 22:10	1

Client Sample ID: SW-3

Date Collected: 10/14/25 13:05
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38113-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		10.1	0.191	ug/L		10/17/25 11:52	10/22/25 22:10	1
Pentachlorophenol	ND		10.1	2.82	ug/L		10/17/25 11:52	10/22/25 22:10	1
Phenanthrene	ND		10.1	0.745	ug/L		10/17/25 11:52	10/22/25 22:10	1
Phenol	ND		10.1	0.685	ug/L		10/17/25 11:52	10/22/25 22:10	1
Pyrene	ND		10.1	0.634	ug/L		10/17/25 11:52	10/22/25 22:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*95*		*10 - 150*	*10/17/25 11:52*	*10/22/25 22:10*	*1*
2-Fluorobiphenyl (Surr)	*81*		*25 - 139*	*10/17/25 11:52*	*10/22/25 22:10*	*1*
2-Fluorophenol (Surr)	*92*		*10 - 150*	*10/17/25 11:52*	*10/22/25 22:10*	*1*
Nitrobenzene-d5 (Surr)	*80*		*22 - 150*	*10/17/25 11:52*	*10/22/25 22:10*	*1*
Phenol-d5 (Surr)	*79*		*10 - 150*	*10/17/25 11:52*	*10/22/25 22:10*	*1*
Terphenyl-d14 (Surr)	*72*		*28 - 150*	*10/17/25 11:52*	*10/22/25 22:10*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**32.9**		1.00	0.390	mg/L			10/24/25 04:13	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		10/21/25 07:23	10/21/25 20:49	1
Arsenic	ND		5.00	1.32	ug/L		10/21/25 07:23	10/21/25 20:49	1
Barium	**42.1**		10.0	0.410	ug/L		10/21/25 07:23	10/21/25 20:49	1
Beryllium	ND		1.00	0.147	ug/L		10/21/25 07:23	10/21/25 20:49	1
Cadmium	ND		0.700	0.237	ug/L		10/21/25 07:23	10/21/25 20:49	1
Chromium	ND		5.00	3.69	ug/L		10/21/25 07:23	10/21/25 20:49	1
Cobalt	ND		5.00	0.411	ug/L		10/21/25 07:23	10/21/25 20:49	1
Copper	**2.14**		2.00	0.642	ug/L		10/21/25 07:23	10/21/25 20:49	1
Lead	**1.80**		1.00	0.864	ug/L		10/21/25 07:23	10/21/25 20:49	1
Manganese	**257**		5.00	1.29	ug/L		10/21/25 07:23	10/21/25 20:49	1
Nickel	**1.05**	**J**	5.00	0.422	ug/L		10/21/25 07:23	10/21/25 20:49	1
Selenium	ND		5.00	2.29	ug/L		10/21/25 07:23	10/21/25 20:49	1
Silver	ND		1.00	0.167	ug/L		10/21/25 07:23	10/21/25 20:49	1
Thallium	ND		1.00	0.190	ug/L		10/21/25 07:23	10/21/25 20:49	1
Vanadium	**2.47**	**J B**	5.00	1.22	ug/L		10/21/25 07:23	10/21/25 20:49	1
Zinc	**11.3**		10.0	8.91	ug/L		10/21/25 07:23	10/21/25 20:49	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.169**	**J**	0.200	0.166	ug/L		10/23/25 08:45	10/23/25 20:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	**0.0550**		0.0500	0.0460	mg/L			10/21/25 13:06	1
Nitrite as N (EPA 353.2)	ND		0.100	0.0168	mg/L			10/15/25 14:39	1
Nitrate as N (SM Nitrate by calc)	ND		0.100	0.0250	mg/L			10/21/25 09:23	1
Nitrate Nitrite as N (SM 4500 NO3 F)	**0.0370**	**J**	0.0500	0.0180	mg/L			10/17/25 17:26	1

Client: S&ME Inc
Job ID: 752-38113-1
Project/Site: East End Park, Durham, NC

Client Sample ID: SW-4
Lab Sample ID: 752-38113-4
Date Collected: 10/14/25 13:40
Matrix: Water
Date Received: 10/15/25 08:00

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			10/23/25 16:44	1
Benzene	ND		1.00	0.500	ug/L			10/23/25 16:44	1
Bromobenzene	ND		1.00	0.540	ug/L			10/23/25 16:44	1
Bromoform	ND		5.00	0.250	ug/L			10/23/25 16:44	1
Bromomethane	ND		1.00	0.980	ug/L			10/23/25 16:44	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			10/23/25 16:44	1
Carbon disulfide	ND		1.00	0.500	ug/L			10/23/25 16:44	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			10/23/25 16:44	1
Chlorobenzene	ND		1.00	0.420	ug/L			10/23/25 16:44	1
Chlorobromomethane	ND		1.00	0.520	ug/L			10/23/25 16:44	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			10/23/25 16:44	1
Chloroethane	ND		1.00	0.760	ug/L			10/23/25 16:44	1
Chloroform	ND		1.00	0.900	ug/L			10/23/25 16:44	1
Chloromethane	ND		1.00	0.400	ug/L			10/23/25 16:44	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			10/23/25 16:44	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			10/23/25 16:44	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			10/23/25 16:44	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			10/23/25 16:44	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			10/23/25 16:44	1
Dibromomethane	ND		5.00	0.220	ug/L			10/23/25 16:44	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			10/23/25 16:44	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			10/23/25 16:44	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			10/23/25 16:44	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			10/23/25 16:44	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			10/23/25 16:44	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			10/23/25 16:44	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			10/23/25 16:44	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 16:44	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 16:44	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 16:44	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			10/23/25 16:44	1
Ethyl acetate	ND		10.0	6.14	ug/L			10/23/25 16:44	1
Ethylbenzene	ND		1.00	0.500	ug/L			10/23/25 16:44	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			10/23/25 16:44	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			10/23/25 16:44	1
Hexane	ND		1.00	0.960	ug/L			10/23/25 16:44	1
2-Hexanone	ND		25.0	4.26	ug/L			10/23/25 16:44	1
Iodomethane	ND		1.00	0.900	ug/L			10/23/25 16:44	1
Isopropylbenzene	ND		1.00	0.530	ug/L			10/23/25 16:44	1
Isopropyl ether	ND		1.00	0.740	ug/L			10/23/25 16:44	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			10/23/25 16:44	1
Methylene Chloride	ND		5.00	3.00	ug/L			10/23/25 16:44	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			10/23/25 16:44	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			10/23/25 16:44	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			10/23/25 16:44	1
Naphthalene	ND		5.00	3.00	ug/L			10/23/25 16:44	1
n-Butylbenzene	ND		1.00	0.760	ug/L			10/23/25 16:44	1
n-Heptane	ND		1.00	0.210	ug/L			10/23/25 16:44	1
N-Propylbenzene	ND		1.00	0.690	ug/L			10/23/25 16:44	1

Client Sample ID: SW-4

Date Collected: 10/14/25 13:40
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38113-4

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			10/23/25 16:44	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			10/23/25 16:44	1
Styrene	ND		1.00	1.00	ug/L			10/23/25 16:44	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			10/23/25 16:44	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			10/23/25 16:44	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			10/23/25 16:44	1
Tetrachloroethene	ND		1.00	0.330	ug/L			10/23/25 16:44	1
Toluene	ND		1.00	0.900	ug/L			10/23/25 16:44	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			10/23/25 16:44	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			10/23/25 16:44	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			10/23/25 16:44	1
1,2,3-Trichlorobenzene	ND	*+	1.00	0.900	ug/L			10/23/25 16:44	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			10/23/25 16:44	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			10/23/25 16:44	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			10/23/25 16:44	1
Trichloroethene	ND		1.00	0.150	ug/L			10/23/25 16:44	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			10/23/25 16:44	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			10/23/25 16:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*+	1.00	0.500	ug/L			10/23/25 16:44	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			10/23/25 16:44	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			10/23/25 16:44	1
Vinyl acetate	ND		25.0	0.930	ug/L			10/23/25 16:44	1
Vinyl chloride	ND		1.00	0.500	ug/L			10/23/25 16:44	1
Xylenes, Total	ND		10.0	6.00	ug/L			10/23/25 16:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*56 - 136*		*10/23/25 16:44*	*1*
Dibromofluoromethane	*102*		*79 - 130*		*10/23/25 16:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*59 - 146*		*10/23/25 16:44*	*1*
Toluene-d8 (Surr)	*112*		*64 - 132*		*10/23/25 16:44*	*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	ND		0.289	0.289	ug/L		10/17/25 16:48	10/20/25 19:34	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*29*		*10 - 140*	*10/17/25 16:48*	*10/20/25 19:34*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		10.1	0.423	ug/L		10/17/25 11:52	10/22/25 22:40	1
2,4,5-Trichlorophenol	ND		10.1	0.544	ug/L		10/17/25 11:52	10/22/25 22:40	1
2,4,6-Trichlorophenol	ND		10.1	1.10	ug/L		10/17/25 11:52	10/22/25 22:40	1
2,4-Dichlorophenol	ND		10.1	0.574	ug/L		10/17/25 11:52	10/22/25 22:40	1
2,4-Dimethylphenol	ND		10.1	0.242	ug/L		10/17/25 11:52	10/22/25 22:40	1
2,4-Dinitrophenol	ND		30.2	4.71	ug/L		10/17/25 11:52	10/22/25 22:40	1
2,4-Dinitrotoluene	ND		10.1	0.654	ug/L		10/17/25 11:52	10/22/25 22:40	1
2,6-Dinitrotoluene	ND		10.1	0.292	ug/L		10/17/25 11:52	10/22/25 22:40	1
2-Chloronaphthalene	ND		10.1	0.383	ug/L		10/17/25 11:52	10/22/25 22:40	1
2-Chlorophenol	ND		10.1	0.846	ug/L		10/17/25 11:52	10/22/25 22:40	1
2-Methylnaphthalene	ND		10.1	0.815	ug/L		10/17/25 11:52	10/22/25 22:40	1

Client Sample ID: SW-4

Date Collected: 10/14/25 13:40
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38113-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		10.1	0.765	ug/L		10/17/25 11:52	10/22/25 22:40	1
2-Nitroaniline	ND		10.1	1.38	ug/L		10/17/25 11:52	10/22/25 22:40	1
2-Nitrophenol	ND		10.1	1.18	ug/L		10/17/25 11:52	10/22/25 22:40	1
3 & 4 Methylphenol	ND		20.1	4.63	ug/L		10/17/25 11:52	10/22/25 22:40	1
3,3'-Dichlorobenzidine	ND		11.1	0.413	ug/L		10/17/25 11:52	10/22/25 22:40	1
3-Nitroaniline	ND		10.1	0.956	ug/L		10/17/25 11:52	10/22/25 22:40	1
4,6-Dinitro-2-methylphenol	ND		10.1	1.98	ug/L		10/17/25 11:52	10/22/25 22:40	1
4-Bromophenyl phenyl ether	ND		10.1	0.131	ug/L		10/17/25 11:52	10/22/25 22:40	1
4-Chloro-3-methylphenol	ND		10.1	0.735	ug/L		10/17/25 11:52	10/22/25 22:40	1
4-Chloroaniline	ND		10.1	0.584	ug/L		10/17/25 11:52	10/22/25 22:40	1
4-Chlorophenyl phenyl ether	ND		10.1	0.242	ug/L		10/17/25 11:52	10/22/25 22:40	1
4-Nitroaniline	ND		10.1	3.52	ug/L		10/17/25 11:52	10/22/25 22:40	1
4-Nitrophenol	ND		10.1	2.76	ug/L		10/17/25 11:52	10/22/25 22:40	1
Acenaphthene	ND		10.1	0.634	ug/L		10/17/25 11:52	10/22/25 22:40	1
Acenaphthylene	ND		10.1	0.765	ug/L		10/17/25 11:52	10/22/25 22:40	1
Acetophenone	ND		10.1	3.22	ug/L		10/17/25 11:52	10/22/25 22:40	1
Anthracene	ND		10.1	0.916	ug/L		10/17/25 11:52	10/22/25 22:40	1
Atrazine	ND		10.1	1.14	ug/L		10/17/25 11:52	10/22/25 22:40	1
Benzaldehyde	ND		10.1	0.674	ug/L		10/17/25 11:52	10/22/25 22:40	1
Benzo[a]anthracene	ND		10.1	1.01	ug/L		10/17/25 11:52	10/22/25 22:40	1
Benzo[a]pyrene	ND		10.1	1.11	ug/L		10/17/25 11:52	10/22/25 22:40	1
Benzo[b]fluoranthene	ND		10.1	1.21	ug/L		10/17/25 11:52	10/22/25 22:40	1
Benzo[g,h,i]perylene	ND		10.1	1.51	ug/L		10/17/25 11:52	10/22/25 22:40	1
Benzo[k]fluoranthene	ND		10.1	1.51	ug/L		10/17/25 11:52	10/22/25 22:40	1
bis (2-chloroisopropyl) ether	ND		10.1	0.936	ug/L		10/17/25 11:52	10/22/25 22:40	1
Bis(2-chloroethoxy)methane	ND		10.1	0.342	ug/L		10/17/25 11:52	10/22/25 22:40	1
Bis(2-chloroethyl)ether	ND		10.1	0.735	ug/L		10/17/25 11:52	10/22/25 22:40	1
Bis(2-ethylhexyl) phthalate	**5.24**	**J B**	10.1	4.03	ug/L		10/17/25 11:52	10/22/25 22:40	1
Butyl benzyl phthalate	ND		10.1	4.03	ug/L		10/17/25 11:52	10/22/25 22:40	1
Caprolactam	ND	*+	10.1	2.42	ug/L		10/17/25 11:52	10/22/25 22:40	1
Carbazole	ND		10.1	0.322	ug/L		10/17/25 11:52	10/22/25 22:40	1
Chrysene	ND		10.1	1.21	ug/L		10/17/25 11:52	10/22/25 22:40	1
Dibenz(a,h)anthracene	ND		10.1	1.31	ug/L		10/17/25 11:52	10/22/25 22:40	1
Dibenzofuran	ND		10.1	0.644	ug/L		10/17/25 11:52	10/22/25 22:40	1
Diethyl phthalate	ND		10.1	4.03	ug/L		10/17/25 11:52	10/22/25 22:40	1
Dimethyl phthalate	ND		10.1	4.03	ug/L		10/17/25 11:52	10/22/25 22:40	1
Di-n-butyl phthalate	ND		10.1	8.24	ug/L		10/17/25 11:52	10/22/25 22:40	1
Di-n-octyl phthalate	ND		10.1	4.03	ug/L		10/17/25 11:52	10/22/25 22:40	1
Fluoranthene	ND		10.1	0.634	ug/L		10/17/25 11:52	10/22/25 22:40	1
Fluorene	ND		10.1	0.674	ug/L		10/17/25 11:52	10/22/25 22:40	1
Hexachlorobenzene	ND		10.1	0.252	ug/L		10/17/25 11:52	10/22/25 22:40	1
Hexachlorobutadiene	ND		10.1	0.554	ug/L		10/17/25 11:52	10/22/25 22:40	1
Hexachlorocyclopentadiene	ND		20.1	0.322	ug/L		10/17/25 11:52	10/22/25 22:40	1
Hexachloroethane	ND		10.1	0.534	ug/L		10/17/25 11:52	10/22/25 22:40	1
Indeno[1,2,3-cd]pyrene	ND		10.1	1.11	ug/L		10/17/25 11:52	10/22/25 22:40	1
Isophorone	ND		10.1	0.805	ug/L		10/17/25 11:52	10/22/25 22:40	1
Naphthalene	ND		10.1	0.755	ug/L		10/17/25 11:52	10/22/25 22:40	1
Nitrobenzene	ND		10.1	0.604	ug/L		10/17/25 11:52	10/22/25 22:40	1
N-Nitrosodi-n-propylamine	ND		10.1	0.332	ug/L		10/17/25 11:52	10/22/25 22:40	1

Client Sample ID: SW-4

Date Collected: 10/14/25 13:40
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38113-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		10.1	0.191	ug/L		10/17/25 11:52	10/22/25 22:40	1
Pentachlorophenol	ND		10.1	2.82	ug/L		10/17/25 11:52	10/22/25 22:40	1
Phenanthrene	ND		10.1	0.745	ug/L		10/17/25 11:52	10/22/25 22:40	1
Phenol	ND		10.1	0.685	ug/L		10/17/25 11:52	10/22/25 22:40	1
Pyrene	ND		10.1	0.634	ug/L		10/17/25 11:52	10/22/25 22:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*93*		*10 - 150*	*10/17/25 11:52*	*10/22/25 22:40*	*1*
2-Fluorobiphenyl (Surr)	*83*		*25 - 139*	*10/17/25 11:52*	*10/22/25 22:40*	*1*
2-Fluorophenol (Surr)	*97*		*10 - 150*	*10/17/25 11:52*	*10/22/25 22:40*	*1*
Nitrobenzene-d5 (Surr)	*84*		*22 - 150*	*10/17/25 11:52*	*10/22/25 22:40*	*1*
Phenol-d5 (Surr)	*87*		*10 - 150*	*10/17/25 11:52*	*10/22/25 22:40*	*1*
Terphenyl-d14 (Surr)	*68*		*28 - 150*	*10/17/25 11:52*	*10/22/25 22:40*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**41.1**		1.00	0.390	mg/L			10/24/25 04:22	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	2.45	ug/L		10/21/25 07:23	10/21/25 20:51	1
Arsenic	ND		5.00	1.32	ug/L		10/21/25 07:23	10/21/25 20:51	1
Barium	**35.3**		10.0	0.410	ug/L		10/21/25 07:23	10/21/25 20:51	1
Beryllium	ND		1.00	0.147	ug/L		10/21/25 07:23	10/21/25 20:51	1
Cadmium	ND		0.700	0.237	ug/L		10/21/25 07:23	10/21/25 20:51	1
Chromium	ND		5.00	3.69	ug/L		10/21/25 07:23	10/21/25 20:51	1
Cobalt	ND		5.00	0.411	ug/L		10/21/25 07:23	10/21/25 20:51	1
Copper	**2.48**		2.00	0.642	ug/L		10/21/25 07:23	10/21/25 20:51	1
Lead	ND		1.00	0.864	ug/L		10/21/25 07:23	10/21/25 20:51	1
Manganese	**143**		5.00	1.29	ug/L		10/21/25 07:23	10/21/25 20:51	1
Nickel	**1.26**	**J**	5.00	0.422	ug/L		10/21/25 07:23	10/21/25 20:51	1
Selenium	ND		5.00	2.29	ug/L		10/21/25 07:23	10/21/25 20:51	1
Silver	ND		1.00	0.167	ug/L		10/21/25 07:23	10/21/25 20:51	1
Thallium	ND		1.00	0.190	ug/L		10/21/25 07:23	10/21/25 20:51	1
Vanadium	**2.33**	**J B**	5.00	1.22	ug/L		10/21/25 07:23	10/21/25 20:51	1
Zinc	ND		10.0	8.91	ug/L		10/21/25 07:23	10/21/25 20:51	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		10/23/25 08:45	10/23/25 20:15	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			10/21/25 13:09	1
Nitrite as N (EPA 353.2)	ND		0.100	0.0168	mg/L			10/15/25 14:40	1
Nitrate as N (SM Nitrate by calc)	**0.0960**	**J**	0.100	0.0250	mg/L			10/21/25 09:23	1
Nitrate Nitrite as N (SM 4500 NO3 F)	**0.0960**		0.0500	0.0180	mg/L			10/17/25 17:27	1

Client Sample ID: SW-5

Date Collected: 10/14/25 14:05
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38113-5

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			10/23/25 17:08	1
Benzene	ND		1.00	0.500	ug/L			10/23/25 17:08	1
Bromobenzene	ND		1.00	0.540	ug/L			10/23/25 17:08	1
Bromoform	ND		5.00	0.250	ug/L			10/23/25 17:08	1
Bromomethane	ND		1.00	0.980	ug/L			10/23/25 17:08	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			10/23/25 17:08	1
Carbon disulfide	ND		1.00	0.500	ug/L			10/23/25 17:08	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			10/23/25 17:08	1
Chlorobenzene	ND		1.00	0.420	ug/L			10/23/25 17:08	1
Chlorobromomethane	ND		1.00	0.520	ug/L			10/23/25 17:08	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			10/23/25 17:08	1
Chloroethane	ND		1.00	0.760	ug/L			10/23/25 17:08	1
Chloroform	ND		1.00	0.900	ug/L			10/23/25 17:08	1
Chloromethane	ND		1.00	0.400	ug/L			10/23/25 17:08	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			10/23/25 17:08	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			10/23/25 17:08	1
cis-1,2-Dichloroethene	**0.599**	**J**	1.00	0.200	ug/L			10/23/25 17:08	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			10/23/25 17:08	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			10/23/25 17:08	1
Dibromomethane	ND		5.00	0.220	ug/L			10/23/25 17:08	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			10/23/25 17:08	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			10/23/25 17:08	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			10/23/25 17:08	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			10/23/25 17:08	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			10/23/25 17:08	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			10/23/25 17:08	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			10/23/25 17:08	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 17:08	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 17:08	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 17:08	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			10/23/25 17:08	1
Ethyl acetate	ND		10.0	6.14	ug/L			10/23/25 17:08	1
Ethylbenzene	ND		1.00	0.500	ug/L			10/23/25 17:08	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			10/23/25 17:08	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			10/23/25 17:08	1
Hexane	ND		1.00	0.960	ug/L			10/23/25 17:08	1
2-Hexanone	ND		25.0	4.26	ug/L			10/23/25 17:08	1
Iodomethane	ND		1.00	0.900	ug/L			10/23/25 17:08	1
Isopropylbenzene	ND		1.00	0.530	ug/L			10/23/25 17:08	1
Isopropyl ether	ND		1.00	0.740	ug/L			10/23/25 17:08	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			10/23/25 17:08	1
Methylene Chloride	ND		5.00	3.00	ug/L			10/23/25 17:08	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			10/23/25 17:08	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			10/23/25 17:08	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			10/23/25 17:08	1
Naphthalene	ND		5.00	3.00	ug/L			10/23/25 17:08	1
n-Butylbenzene	ND		1.00	0.760	ug/L			10/23/25 17:08	1
n-Heptane	ND		1.00	0.210	ug/L			10/23/25 17:08	1
N-Propylbenzene	ND		1.00	0.690	ug/L			10/23/25 17:08	1

Client Sample ID: SW-5

Date Collected: 10/14/25 14:05
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38113-5

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			10/23/25 17:08	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			10/23/25 17:08	1
Styrene	ND		1.00	1.00	ug/L			10/23/25 17:08	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			10/23/25 17:08	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			10/23/25 17:08	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			10/23/25 17:08	1
Tetrachloroethene	ND		1.00	0.330	ug/L			10/23/25 17:08	1
Toluene	ND		1.00	0.900	ug/L			10/23/25 17:08	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			10/23/25 17:08	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			10/23/25 17:08	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			10/23/25 17:08	1
1,2,3-Trichlorobenzene	ND	*+	1.00	0.900	ug/L			10/23/25 17:08	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			10/23/25 17:08	1
1,1,1-Trichloroethane	**0.224**	**J**	1.00	0.180	ug/L			10/23/25 17:08	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			10/23/25 17:08	1
Trichloroethene	ND		1.00	0.150	ug/L			10/23/25 17:08	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			10/23/25 17:08	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			10/23/25 17:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**1.19**		1.00	0.500	ug/L			10/24/25 11:58	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			10/23/25 17:08	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			10/23/25 17:08	1
Vinyl acetate	ND		25.0	0.930	ug/L			10/23/25 17:08	1
Vinyl chloride	ND		1.00	0.500	ug/L			10/23/25 17:08	1
Xylenes, Total	ND		10.0	6.00	ug/L			10/23/25 17:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*56 - 136*		*10/23/25 17:08*	*1*
4-Bromofluorobenzene	*108*		*56 - 136*		*10/24/25 11:58*	*1*
Dibromofluoromethane	*99*		*79 - 130*		*10/23/25 17:08*	*1*
Dibromofluoromethane	*106*		*79 - 130*		*10/24/25 11:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*59 - 146*		*10/23/25 17:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*59 - 146*		*10/24/25 11:58*	*1*
Toluene-d8 (Surr)	*114*		*64 - 132*		*10/23/25 17:08*	*1*
Toluene-d8 (Surr)	*96*		*64 - 132*		*10/24/25 11:58*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.287	0.287	ug/L		10/17/25 16:48	10/20/25 19:56	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*29*		*10 - 140*	*10/17/25 16:48*	*10/20/25 19:56*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		10.1	0.423	ug/L		10/17/25 11:52	10/22/25 23:10	1
2,4,5-Trichlorophenol	ND		10.1	0.544	ug/L		10/17/25 11:52	10/22/25 23:10	1
2,4,6-Trichlorophenol	ND		10.1	1.10	ug/L		10/17/25 11:52	10/22/25 23:10	1
2,4-Dichlorophenol	ND		10.1	0.574	ug/L		10/17/25 11:52	10/22/25 23:10	1
2,4-Dimethylphenol	ND		10.1	0.242	ug/L		10/17/25 11:52	10/22/25 23:10	1
2,4-Dinitrophenol	ND		30.2	4.71	ug/L		10/17/25 11:52	10/22/25 23:10	1

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38113-1

Client Sample ID: SW-5

Date Collected: 10/14/25 14:05
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38113-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		10.1	0.654	ug/L		10/17/25 11:52	10/22/25 23:10	1
2,6-Dinitrotoluene	ND		10.1	0.292	ug/L		10/17/25 11:52	10/22/25 23:10	1
2-Chloronaphthalene	ND		10.1	0.383	ug/L		10/17/25 11:52	10/22/25 23:10	1
2-Chlorophenol	ND		10.1	0.846	ug/L		10/17/25 11:52	10/22/25 23:10	1
2-Methylnaphthalene	ND		10.1	0.815	ug/L		10/17/25 11:52	10/22/25 23:10	1
2-Methylphenol	ND		10.1	0.765	ug/L		10/17/25 11:52	10/22/25 23:10	1
2-Nitroaniline	ND		10.1	1.38	ug/L		10/17/25 11:52	10/22/25 23:10	1
2-Nitrophenol	ND		10.1	1.18	ug/L		10/17/25 11:52	10/22/25 23:10	1
3 & 4 Methylphenol	ND		20.1	4.63	ug/L		10/17/25 11:52	10/22/25 23:10	1
3,3'-Dichlorobenzidine	ND		11.1	0.413	ug/L		10/17/25 11:52	10/22/25 23:10	1
3-Nitroaniline	ND		10.1	0.956	ug/L		10/17/25 11:52	10/22/25 23:10	1
4,6-Dinitro-2-methylphenol	ND		10.1	1.98	ug/L		10/17/25 11:52	10/22/25 23:10	1
4-Bromophenyl phenyl ether	ND		10.1	0.131	ug/L		10/17/25 11:52	10/22/25 23:10	1
4-Chloro-3-methylphenol	ND		10.1	0.735	ug/L		10/17/25 11:52	10/22/25 23:10	1
4-Chloroaniline	ND		10.1	0.584	ug/L		10/17/25 11:52	10/22/25 23:10	1
4-Chlorophenyl phenyl ether	ND		10.1	0.242	ug/L		10/17/25 11:52	10/22/25 23:10	1
4-Nitroaniline	ND		10.1	3.52	ug/L		10/17/25 11:52	10/22/25 23:10	1
4-Nitrophenol	ND		10.1	2.76	ug/L		10/17/25 11:52	10/22/25 23:10	1
Acenaphthene	ND		10.1	0.634	ug/L		10/17/25 11:52	10/22/25 23:10	1
Acenaphthylene	ND		10.1	0.765	ug/L		10/17/25 11:52	10/22/25 23:10	1
Acetophenone	ND		10.1	3.22	ug/L		10/17/25 11:52	10/22/25 23:10	1
Anthracene	ND		10.1	0.916	ug/L		10/17/25 11:52	10/22/25 23:10	1
Atrazine	ND		10.1	1.14	ug/L		10/17/25 11:52	10/22/25 23:10	1
Benzaldehyde	ND		10.1	0.674	ug/L		10/17/25 11:52	10/22/25 23:10	1
Benzo[a]anthracene	ND		10.1	1.01	ug/L		10/17/25 11:52	10/22/25 23:10	1
Benzo[a]pyrene	ND		10.1	1.11	ug/L		10/17/25 11:52	10/22/25 23:10	1
Benzo[b]fluoranthene	ND		10.1	1.21	ug/L		10/17/25 11:52	10/22/25 23:10	1
Benzo[g,h,i]perylene	ND		10.1	1.51	ug/L		10/17/25 11:52	10/22/25 23:10	1
Benzo[k]fluoranthene	ND		10.1	1.51	ug/L		10/17/25 11:52	10/22/25 23:10	1
bis (2-chloroisopropyl) ether	ND		10.1	0.936	ug/L		10/17/25 11:52	10/22/25 23:10	1
Bis(2-chloroethoxy)methane	ND		10.1	0.342	ug/L		10/17/25 11:52	10/22/25 23:10	1
Bis(2-chloroethyl)ether	ND		10.1	0.735	ug/L		10/17/25 11:52	10/22/25 23:10	1
Bis(2-ethylhexyl) phthalate	**5.52**	**J B**	10.1	4.03	ug/L		10/17/25 11:52	10/22/25 23:10	1
Butyl benzyl phthalate	ND		10.1	4.03	ug/L		10/17/25 11:52	10/22/25 23:10	1
Caprolactam	ND	*+	10.1	2.42	ug/L		10/17/25 11:52	10/22/25 23:10	1
Carbazole	ND		10.1	0.322	ug/L		10/17/25 11:52	10/22/25 23:10	1
Chrysene	ND		10.1	1.21	ug/L		10/17/25 11:52	10/22/25 23:10	1
Dibenz(a,h)anthracene	ND		10.1	1.31	ug/L		10/17/25 11:52	10/22/25 23:10	1
Dibenzofuran	ND		10.1	0.644	ug/L		10/17/25 11:52	10/22/25 23:10	1
Diethyl phthalate	ND		10.1	4.03	ug/L		10/17/25 11:52	10/22/25 23:10	1
Dimethyl phthalate	ND		10.1	4.03	ug/L		10/17/25 11:52	10/22/25 23:10	1
Di-n-butyl phthalate	ND		10.1	8.24	ug/L		10/17/25 11:52	10/22/25 23:10	1
Di-n-octyl phthalate	ND		10.1	4.03	ug/L		10/17/25 11:52	10/22/25 23:10	1
Fluoranthene	ND		10.1	0.634	ug/L		10/17/25 11:52	10/22/25 23:10	1
Fluorene	ND		10.1	0.674	ug/L		10/17/25 11:52	10/22/25 23:10	1
Hexachlorobenzene	ND		10.1	0.252	ug/L		10/17/25 11:52	10/22/25 23:10	1
Hexachlorobutadiene	ND		10.1	0.554	ug/L		10/17/25 11:52	10/22/25 23:10	1
Hexachlorocyclopentadiene	ND		20.1	0.322	ug/L		10/17/25 11:52	10/22/25 23:10	1
Hexachloroethane	ND		10.1	0.534	ug/L		10/17/25 11:52	10/22/25 23:10	1

Client Sample ID: SW-5

Date Collected: 10/14/25 14:05
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38113-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		10.1	1.11	ug/L		10/17/25 11:52	10/22/25 23:10	1
Isophorone	ND		10.1	0.805	ug/L		10/17/25 11:52	10/22/25 23:10	1
Naphthalene	ND		10.1	0.755	ug/L		10/17/25 11:52	10/22/25 23:10	1
Nitrobenzene	ND		10.1	0.604	ug/L		10/17/25 11:52	10/22/25 23:10	1
N-Nitrosodi-n-propylamine	ND		10.1	0.332	ug/L		10/17/25 11:52	10/22/25 23:10	1
N-Nitrosodiphenylamine	ND		10.1	0.191	ug/L		10/17/25 11:52	10/22/25 23:10	1
Pentachlorophenol	ND		10.1	2.82	ug/L		10/17/25 11:52	10/22/25 23:10	1
Phenanthrene	ND		10.1	0.745	ug/L		10/17/25 11:52	10/22/25 23:10	1
Phenol	ND		10.1	0.685	ug/L		10/17/25 11:52	10/22/25 23:10	1
Pyrene	ND		10.1	0.634	ug/L		10/17/25 11:52	10/22/25 23:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*98*		*10 - 150*	*10/17/25 11:52*	*10/22/25 23:10*	*1*
2-Fluorobiphenyl (Surr)	*83*		*25 - 139*	*10/17/25 11:52*	*10/22/25 23:10*	*1*
2-Fluorophenol (Surr)	*80*		*10 - 150*	*10/17/25 11:52*	*10/22/25 23:10*	*1*
Nitrobenzene-d5 (Surr)	*84*		*22 - 150*	*10/17/25 11:52*	*10/22/25 23:10*	*1*
Phenol-d5 (Surr)	*64*		*10 - 150*	*10/17/25 11:52*	*10/22/25 23:10*	*1*
Terphenyl-d14 (Surr)	*67*		*28 - 150*	*10/17/25 11:52*	*10/22/25 23:10*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**13.9**		1.00	0.390	mg/L			10/24/25 04:30	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		10/21/25 07:23	10/21/25 21:09	1
Arsenic	ND		5.00	1.32	ug/L		10/21/25 07:23	10/21/25 21:09	1
Barium	**39.3**		10.0	0.410	ug/L		10/21/25 07:23	10/21/25 21:09	1
Beryllium	ND		1.00	0.147	ug/L		10/21/25 07:23	10/21/25 21:09	1
Cadmium	ND		0.700	0.237	ug/L		10/21/25 07:23	10/21/25 21:09	1
Chromium	ND		5.00	3.69	ug/L		10/21/25 07:23	10/21/25 21:09	1
Cobalt	ND		5.00	0.411	ug/L		10/21/25 07:23	10/21/25 21:09	1
Copper	**2.98**		2.00	0.642	ug/L		10/21/25 07:23	10/21/25 21:09	1
Lead	**2.42**		1.00	0.864	ug/L		10/21/25 07:23	10/21/25 21:09	1
Manganese	**100**		5.00	1.29	ug/L		10/21/25 07:23	10/21/25 21:09	1
Nickel	**1.24**	**J**	5.00	0.422	ug/L		10/21/25 07:23	10/21/25 21:09	1
Selenium	ND		5.00	2.29	ug/L		10/21/25 07:23	10/21/25 21:09	1
Silver	ND		1.00	0.167	ug/L		10/21/25 07:23	10/21/25 21:09	1
Thallium	ND		1.00	0.190	ug/L		10/21/25 07:23	10/21/25 21:09	1
Vanadium	**2.92**	**J B**	5.00	1.22	ug/L		10/21/25 07:23	10/21/25 21:09	1
Zinc	**10.5**		10.0	8.91	ug/L		10/21/25 07:23	10/21/25 21:09	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		10/23/25 08:45	10/23/25 20:19	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			10/21/25 13:12	1
Nitrite as N (EPA 353.2)	ND		0.100	0.0168	mg/L			10/15/25 14:41	1
Nitrate as N (SM Nitrate by calc)	ND		0.100	0.0250	mg/L			10/21/25 09:23	1

Client Sample ID: SW-5
Lab Sample ID: 752-38113-5
Date Collected: 10/14/25 14:05
Matrix: Water
Date Received: 10/15/25 08:00

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N (SM 4500 NO3 F)	0.0260	J	0.0500	0.0180	mg/L			10/17/25 17:29	1

Client Sample ID: SW-6
Lab Sample ID: 752-38113-6
Date Collected: 10/14/25 14:30
Matrix: Water
Date Received: 10/15/25 08:00

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			10/23/25 17:32	1
Benzene	ND		1.00	0.500	ug/L			10/23/25 17:32	1
Bromobenzene	ND		1.00	0.540	ug/L			10/23/25 17:32	1
Bromoform	ND		5.00	0.250	ug/L			10/23/25 17:32	1
Bromomethane	ND		1.00	0.980	ug/L			10/23/25 17:32	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			10/23/25 17:32	1
Carbon disulfide	ND		1.00	0.500	ug/L			10/23/25 17:32	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			10/23/25 17:32	1
Chlorobenzene	ND		1.00	0.420	ug/L			10/23/25 17:32	1
Chlorobromomethane	ND		1.00	0.520	ug/L			10/23/25 17:32	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			10/23/25 17:32	1
Chloroethane	ND		1.00	0.760	ug/L			10/23/25 17:32	1
Chloroform	ND		1.00	0.900	ug/L			10/23/25 17:32	1
Chloromethane	ND		1.00	0.400	ug/L			10/23/25 17:32	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			10/23/25 17:32	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			10/23/25 17:32	1
cis-1,2-Dichloroethene	0.711	J	1.00	0.200	ug/L			10/23/25 17:32	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			10/23/25 17:32	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			10/23/25 17:32	1
Dibromomethane	ND		5.00	0.220	ug/L			10/23/25 17:32	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			10/23/25 17:32	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			10/23/25 17:32	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			10/23/25 17:32	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			10/23/25 17:32	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			10/23/25 17:32	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			10/23/25 17:32	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			10/23/25 17:32	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 17:32	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 17:32	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 17:32	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			10/23/25 17:32	1
Ethyl acetate	ND		10.0	6.14	ug/L			10/23/25 17:32	1
Ethylbenzene	ND		1.00	0.500	ug/L			10/23/25 17:32	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			10/23/25 17:32	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			10/23/25 17:32	1
Hexane	ND		1.00	0.960	ug/L			10/23/25 17:32	1
2-Hexanone	ND		25.0	4.26	ug/L			10/23/25 17:32	1
Iodomethane	ND		1.00	0.900	ug/L			10/23/25 17:32	1
Isopropylbenzene	ND		1.00	0.530	ug/L			10/23/25 17:32	1
Isopropyl ether	ND		1.00	0.740	ug/L			10/23/25 17:32	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			10/23/25 17:32	1

Client Sample ID: SW-6

Date Collected: 10/14/25 14:30
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38113-6

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		5.00	3.00	ug/L			10/23/25 17:32	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			10/23/25 17:32	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			10/23/25 17:32	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			10/23/25 17:32	1
Naphthalene	ND		5.00	3.00	ug/L			10/23/25 17:32	1
n-Butylbenzene	ND		1.00	0.760	ug/L			10/23/25 17:32	1
n-Heptane	ND		1.00	0.210	ug/L			10/23/25 17:32	1
N-Propylbenzene	ND		1.00	0.690	ug/L			10/23/25 17:32	1
o-Xylene	ND		5.00	3.00	ug/L			10/23/25 17:32	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			10/23/25 17:32	1
Styrene	ND		1.00	1.00	ug/L			10/23/25 17:32	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			10/23/25 17:32	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			10/23/25 17:32	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			10/23/25 17:32	1
Tetrachloroethene	ND		1.00	0.330	ug/L			10/23/25 17:32	1
Toluene	ND		1.00	0.900	ug/L			10/23/25 17:32	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			10/23/25 17:32	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			10/23/25 17:32	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			10/23/25 17:32	1
1,2,3-Trichlorobenzene	ND	*+	1.00	0.900	ug/L			10/23/25 17:32	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			10/23/25 17:32	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			10/23/25 17:32	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			10/23/25 17:32	1
Trichloroethene	ND		1.00	0.150	ug/L			10/23/25 17:32	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			10/23/25 17:32	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			10/23/25 17:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**1.45**		1.00	0.500	ug/L			10/24/25 12:23	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			10/23/25 17:32	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			10/23/25 17:32	1
Vinyl acetate	ND		25.0	0.930	ug/L			10/23/25 17:32	1
Vinyl chloride	ND		1.00	0.500	ug/L			10/23/25 17:32	1
Xylenes, Total	ND		10.0	6.00	ug/L			10/23/25 17:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*56 - 136*		*10/23/25 17:32*	*1*
4-Bromofluorobenzene	*105*		*56 - 136*		*10/24/25 12:23*	*1*
Dibromofluoromethane	*102*		*79 - 130*		*10/23/25 17:32*	*1*
Dibromofluoromethane	*103*		*79 - 130*		*10/24/25 12:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*59 - 146*		*10/23/25 17:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*59 - 146*		*10/24/25 12:23*	*1*
Toluene-d8 (Surr)	*113*		*64 - 132*		*10/23/25 17:32*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*10/24/25 12:23*	*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	**0.361**		0.278	0.278	ug/L		10/17/25 16:48	10/20/25 20:17	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*27*		*10 - 140*	*10/17/25 16:48*	*10/20/25 20:17*	*1*

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38113-1

Client Sample ID: SW-6

Date Collected: 10/14/25 14:30
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38113-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		10.1	0.424	ug/L		10/17/25 11:52	10/22/25 23:40	1
2,4,5-Trichlorophenol	ND		10.1	0.545	ug/L		10/17/25 11:52	10/22/25 23:40	1
2,4,6-Trichlorophenol	ND		10.1	1.10	ug/L		10/17/25 11:52	10/22/25 23:40	1
2,4-Dichlorophenol	ND		10.1	0.576	ug/L		10/17/25 11:52	10/22/25 23:40	1
2,4-Dimethylphenol	ND		10.1	0.242	ug/L		10/17/25 11:52	10/22/25 23:40	1
2,4-Dinitrophenol	ND		30.3	4.73	ug/L		10/17/25 11:52	10/22/25 23:40	1
2,4-Dinitrotoluene	ND		10.1	0.657	ug/L		10/17/25 11:52	10/22/25 23:40	1
2,6-Dinitrotoluene	ND		10.1	0.293	ug/L		10/17/25 11:52	10/22/25 23:40	1
2-Chloronaphthalene	ND		10.1	0.384	ug/L		10/17/25 11:52	10/22/25 23:40	1
2-Chlorophenol	ND		10.1	0.848	ug/L		10/17/25 11:52	10/22/25 23:40	1
2-Methylnaphthalene	ND		10.1	0.818	ug/L		10/17/25 11:52	10/22/25 23:40	1
2-Methylphenol	ND		10.1	0.768	ug/L		10/17/25 11:52	10/22/25 23:40	1
2-Nitroaniline	ND		10.1	1.38	ug/L		10/17/25 11:52	10/22/25 23:40	1
2-Nitrophenol	ND		10.1	1.18	ug/L		10/17/25 11:52	10/22/25 23:40	1
3 & 4 Methylphenol	ND		20.2	4.65	ug/L		10/17/25 11:52	10/22/25 23:40	1
3,3'-Dichlorobenzidine	ND		11.1	0.414	ug/L		10/17/25 11:52	10/22/25 23:40	1
3-Nitroaniline	ND		10.1	0.960	ug/L		10/17/25 11:52	10/22/25 23:40	1
4,6-Dinitro-2-methylphenol	ND		10.1	1.99	ug/L		10/17/25 11:52	10/22/25 23:40	1
4-Bromophenyl phenyl ether	ND		10.1	0.131	ug/L		10/17/25 11:52	10/22/25 23:40	1
4-Chloro-3-methylphenol	ND		10.1	0.737	ug/L		10/17/25 11:52	10/22/25 23:40	1
4-Chloroaniline	ND		10.1	0.586	ug/L		10/17/25 11:52	10/22/25 23:40	1
4-Chlorophenyl phenyl ether	ND		10.1	0.242	ug/L		10/17/25 11:52	10/22/25 23:40	1
4-Nitroaniline	ND		10.1	3.54	ug/L		10/17/25 11:52	10/22/25 23:40	1
4-Nitrophenol	ND		10.1	2.77	ug/L		10/17/25 11:52	10/22/25 23:40	1
Acenaphthene	ND		10.1	0.636	ug/L		10/17/25 11:52	10/22/25 23:40	1
Acenaphthylene	ND		10.1	0.768	ug/L		10/17/25 11:52	10/22/25 23:40	1
Acetophenone	ND		10.1	3.23	ug/L		10/17/25 11:52	10/22/25 23:40	1
Anthracene	ND		10.1	0.919	ug/L		10/17/25 11:52	10/22/25 23:40	1
Atrazine	ND		10.1	1.14	ug/L		10/17/25 11:52	10/22/25 23:40	1
Benzaldehyde	ND		10.1	0.677	ug/L		10/17/25 11:52	10/22/25 23:40	1
Benzo[a]anthracene	ND		10.1	1.01	ug/L		10/17/25 11:52	10/22/25 23:40	1
Benzo[a]pyrene	ND		10.1	1.11	ug/L		10/17/25 11:52	10/22/25 23:40	1
Benzo[b]fluoranthene	ND		10.1	1.21	ug/L		10/17/25 11:52	10/22/25 23:40	1
Benzo[g,h,i]perylene	ND		10.1	1.52	ug/L		10/17/25 11:52	10/22/25 23:40	1
Benzo[k]fluoranthene	ND		10.1	1.52	ug/L		10/17/25 11:52	10/22/25 23:40	1
bis (2-chloroisopropyl) ether	ND		10.1	0.939	ug/L		10/17/25 11:52	10/22/25 23:40	1
Bis(2-chloroethoxy)methane	ND		10.1	0.343	ug/L		10/17/25 11:52	10/22/25 23:40	1
Bis(2-chloroethyl)ether	ND		10.1	0.737	ug/L		10/17/25 11:52	10/22/25 23:40	1
Bis(2-ethylhexyl) phthalate	**5.17**	**J B**	10.1	4.04	ug/L		10/17/25 11:52	10/22/25 23:40	1
Butyl benzyl phthalate	ND		10.1	4.04	ug/L		10/17/25 11:52	10/22/25 23:40	1
Caprolactam	ND	*+	10.1	2.42	ug/L		10/17/25 11:52	10/22/25 23:40	1
Carbazole	ND		10.1	0.323	ug/L		10/17/25 11:52	10/22/25 23:40	1
Chrysene	ND		10.1	1.21	ug/L		10/17/25 11:52	10/22/25 23:40	1
Dibenz(a,h)anthracene	ND		10.1	1.31	ug/L		10/17/25 11:52	10/22/25 23:40	1
Dibenzofuran	ND		10.1	0.646	ug/L		10/17/25 11:52	10/22/25 23:40	1
Diethyl phthalate	ND		10.1	4.04	ug/L		10/17/25 11:52	10/22/25 23:40	1
Dimethyl phthalate	ND		10.1	4.04	ug/L		10/17/25 11:52	10/22/25 23:40	1
Di-n-butyl phthalate	ND		10.1	8.27	ug/L		10/17/25 11:52	10/22/25 23:40	1
Di-n-octyl phthalate	ND		10.1	4.04	ug/L		10/17/25 11:52	10/22/25 23:40	1

Client Sample ID: SW-6
Date Collected: 10/14/25 14:30
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38113-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		10.1	0.636	ug/L		10/17/25 11:52	10/22/25 23:40	1
Fluorene	ND		10.1	0.677	ug/L		10/17/25 11:52	10/22/25 23:40	1
Hexachlorobenzene	ND		10.1	0.253	ug/L		10/17/25 11:52	10/22/25 23:40	1
Hexachlorobutadiene	ND		10.1	0.556	ug/L		10/17/25 11:52	10/22/25 23:40	1
Hexachlorocyclopentadiene	ND		20.2	0.323	ug/L		10/17/25 11:52	10/22/25 23:40	1
Hexachloroethane	ND		10.1	0.535	ug/L		10/17/25 11:52	10/22/25 23:40	1
Indeno[1,2,3-cd]pyrene	ND		10.1	1.11	ug/L		10/17/25 11:52	10/22/25 23:40	1
Isophorone	ND		10.1	0.808	ug/L		10/17/25 11:52	10/22/25 23:40	1
Naphthalene	ND		10.1	0.758	ug/L		10/17/25 11:52	10/22/25 23:40	1
Nitrobenzene	ND		10.1	0.606	ug/L		10/17/25 11:52	10/22/25 23:40	1
N-Nitrosodi-n-propylamine	ND		10.1	0.333	ug/L		10/17/25 11:52	10/22/25 23:40	1
N-Nitrosodiphenylamine	ND		10.1	0.192	ug/L		10/17/25 11:52	10/22/25 23:40	1
Pentachlorophenol	ND		10.1	2.83	ug/L		10/17/25 11:52	10/22/25 23:40	1
Phenanthrene	ND		10.1	0.747	ug/L		10/17/25 11:52	10/22/25 23:40	1
Phenol	ND		10.1	0.687	ug/L		10/17/25 11:52	10/22/25 23:40	1
Pyrene	ND		10.1	0.636	ug/L		10/17/25 11:52	10/22/25 23:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*96*		*10 - 150*	*10/17/25 11:52*	*10/22/25 23:40*	*1*
2-Fluorobiphenyl (Surr)	*79*		*25 - 139*	*10/17/25 11:52*	*10/22/25 23:40*	*1*
2-Fluorophenol (Surr)	*84*		*10 - 150*	*10/17/25 11:52*	*10/22/25 23:40*	*1*
Nitrobenzene-d5 (Surr)	*80*		*22 - 150*	*10/17/25 11:52*	*10/22/25 23:40*	*1*
Phenol-d5 (Surr)	*72*		*10 - 150*	*10/17/25 11:52*	*10/22/25 23:40*	*1*
Terphenyl-d14 (Surr)	*61*		*28 - 150*	*10/17/25 11:52*	*10/22/25 23:40*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**14.1**		1.00	0.390	mg/L			10/24/25 04:39	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	2.45	ug/L		10/21/25 07:23	10/21/25 21:11	1
Arsenic	ND		5.00	1.32	ug/L		10/21/25 07:23	10/21/25 21:11	1
Barium	**37.0**		10.0	0.410	ug/L		10/21/25 07:23	10/21/25 21:11	1
Beryllium	ND		1.00	0.147	ug/L		10/21/25 07:23	10/21/25 21:11	1
Cadmium	ND		0.700	0.237	ug/L		10/21/25 07:23	10/21/25 21:11	1
Chromium	ND		5.00	3.69	ug/L		10/21/25 07:23	10/21/25 21:11	1
Cobalt	ND		5.00	0.411	ug/L		10/21/25 07:23	10/21/25 21:11	1
Copper	**2.39**		2.00	0.642	ug/L		10/21/25 07:23	10/21/25 21:11	1
Lead	ND		1.00	0.864	ug/L		10/21/25 07:23	10/21/25 21:11	1
Manganese	**134**		5.00	1.29	ug/L		10/21/25 07:23	10/21/25 21:11	1
Nickel	**1.24**	**J**	5.00	0.422	ug/L		10/21/25 07:23	10/21/25 21:11	1
Selenium	ND		5.00	2.29	ug/L		10/21/25 07:23	10/21/25 21:11	1
Silver	ND		1.00	0.167	ug/L		10/21/25 07:23	10/21/25 21:11	1
Thallium	ND		1.00	0.190	ug/L		10/21/25 07:23	10/21/25 21:11	1
Vanadium	**2.52**	**J B**	5.00	1.22	ug/L		10/21/25 07:23	10/21/25 21:11	1
Zinc	ND		10.0	8.91	ug/L		10/21/25 07:23	10/21/25 21:11	1

Client: S&ME Inc
Job ID: 752-38113-1
Project/Site: East End Park, Durham, NC

Client Sample ID: SW-6
Lab Sample ID: 752-38113-6
Date Collected: 10/14/25 14:30
Matrix: Water
Date Received: 10/15/25 08:00

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.166	ug/L		10/23/25 08:45	10/23/25 20:23	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			10/21/25 13:14	1
Nitrite as N (EPA 353.2)	ND		0.100	0.0168	mg/L			10/15/25 14:42	1
Nitrate as N (SM Nitrate by calc)	**14.2**		0.100	0.0250	mg/L			10/21/25 09:23	1
Nitrate Nitrite as N (SM 4500 NO3 F)	**14.2**		0.500	0.180	mg/L			10/17/25 18:10	10

Client Sample ID: SW-7
Lab Sample ID: 752-38113-7
Date Collected: 10/14/25 15:10
Matrix: Water
Date Received: 10/15/25 08:00

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			10/23/25 17:55	1
Benzene	ND		1.00	0.500	ug/L			10/23/25 17:55	1
Bromobenzene	ND		1.00	0.540	ug/L			10/23/25 17:55	1
Bromoform	ND		5.00	0.250	ug/L			10/23/25 17:55	1
Bromomethane	ND		1.00	0.980	ug/L			10/23/25 17:55	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			10/23/25 17:55	1
Carbon disulfide	ND		1.00	0.500	ug/L			10/23/25 17:55	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			10/23/25 17:55	1
Chlorobenzene	ND		1.00	0.420	ug/L			10/23/25 17:55	1
Chlorobromomethane	ND		1.00	0.520	ug/L			10/23/25 17:55	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			10/23/25 17:55	1
Chloroethane	ND		1.00	0.760	ug/L			10/23/25 17:55	1
Chloroform	ND		1.00	0.900	ug/L			10/23/25 17:55	1
Chloromethane	ND		1.00	0.400	ug/L			10/23/25 17:55	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			10/23/25 17:55	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			10/23/25 17:55	1
cis-1,2-Dichloroethene	**0.741**	**J**	1.00	0.200	ug/L			10/23/25 17:55	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			10/23/25 17:55	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			10/23/25 17:55	1
Dibromomethane	ND		5.00	0.220	ug/L			10/23/25 17:55	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			10/23/25 17:55	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			10/23/25 17:55	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			10/23/25 17:55	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			10/23/25 17:55	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			10/23/25 17:55	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			10/23/25 17:55	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			10/23/25 17:55	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 17:55	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 17:55	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 17:55	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			10/23/25 17:55	1
Ethyl acetate	ND		10.0	6.14	ug/L			10/23/25 17:55	1
Ethylbenzene	ND		1.00	0.500	ug/L			10/23/25 17:55	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			10/23/25 17:55	1

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38113-1

Client Sample ID: SW-7

Date Collected: 10/14/25 15:10
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38113-7

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND		5.00	0.900	ug/L			10/23/25 17:55	1
Hexane	ND		1.00	0.960	ug/L			10/23/25 17:55	1
2-Hexanone	ND		25.0	4.26	ug/L			10/23/25 17:55	1
Iodomethane	ND		1.00	0.900	ug/L			10/23/25 17:55	1
Isopropylbenzene	ND		1.00	0.530	ug/L			10/23/25 17:55	1
Isopropyl ether	ND		1.00	0.740	ug/L			10/23/25 17:55	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			10/23/25 17:55	1
Methylene Chloride	ND		5.00	3.00	ug/L			10/23/25 17:55	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			10/23/25 17:55	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			10/23/25 17:55	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			10/23/25 17:55	1
Naphthalene	ND		5.00	3.00	ug/L			10/23/25 17:55	1
n-Butylbenzene	ND		1.00	0.760	ug/L			10/23/25 17:55	1
n-Heptane	ND		1.00	0.210	ug/L			10/23/25 17:55	1
N-Propylbenzene	ND		1.00	0.690	ug/L			10/23/25 17:55	1
o-Xylene	ND		5.00	3.00	ug/L			10/23/25 17:55	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			10/23/25 17:55	1
Styrene	ND		1.00	1.00	ug/L			10/23/25 17:55	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			10/23/25 17:55	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			10/23/25 17:55	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			10/23/25 17:55	1
Tetrachloroethene	ND		1.00	0.330	ug/L			10/23/25 17:55	1
Toluene	ND		1.00	0.900	ug/L			10/23/25 17:55	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			10/23/25 17:55	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			10/23/25 17:55	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			10/23/25 17:55	1
1,2,3-Trichlorobenzene	ND	*+	1.00	0.900	ug/L			10/23/25 17:55	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			10/23/25 17:55	1
1,1,1-Trichloroethane	**0.287**	**J**	1.00	0.180	ug/L			10/23/25 17:55	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			10/23/25 17:55	1
Trichloroethene	ND		1.00	0.150	ug/L			10/23/25 17:55	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			10/23/25 17:55	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			10/23/25 17:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**1.93**		1.00	0.500	ug/L			10/24/25 12:49	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			10/23/25 17:55	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			10/23/25 17:55	1
Vinyl acetate	ND		25.0	0.930	ug/L			10/23/25 17:55	1
Vinyl chloride	ND		1.00	0.500	ug/L			10/23/25 17:55	1
Xylenes, Total	ND		10.0	6.00	ug/L			10/23/25 17:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*56 - 136*		*10/23/25 17:55*	*1*
4-Bromofluorobenzene	*103*		*56 - 136*		*10/24/25 12:49*	*1*
Dibromofluoromethane	*102*		*79 - 130*		*10/23/25 17:55*	*1*
Dibromofluoromethane	*104*		*79 - 130*		*10/24/25 12:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*59 - 146*		*10/23/25 17:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*59 - 146*		*10/24/25 12:49*	*1*
Toluene-d8 (Surr)	*113*		*64 - 132*		*10/23/25 17:55*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*10/24/25 12:49*	*1*

Client Sample ID: SW-7

Date Collected: 10/14/25 15:10
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38113-7

Matrix: Water

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		0.288	0.288	ug/L		10/17/25 16:48	10/20/25 20:38	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*27*		*10 - 140*	*10/17/25 16:48*	*10/20/25 20:38*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		10.1	0.423	ug/L		10/17/25 11:52	10/23/25 00:10	1
2,4,5-Trichlorophenol	ND		10.1	0.544	ug/L		10/17/25 11:52	10/23/25 00:10	1
2,4,6-Trichlorophenol	ND		10.1	1.10	ug/L		10/17/25 11:52	10/23/25 00:10	1
2,4-Dichlorophenol	ND		10.1	0.574	ug/L		10/17/25 11:52	10/23/25 00:10	1
2,4-Dimethylphenol	ND		10.1	0.242	ug/L		10/17/25 11:52	10/23/25 00:10	1
2,4-Dinitrophenol	ND		30.2	4.71	ug/L		10/17/25 11:52	10/23/25 00:10	1
2,4-Dinitrotoluene	ND		10.1	0.654	ug/L		10/17/25 11:52	10/23/25 00:10	1
2,6-Dinitrotoluene	ND		10.1	0.292	ug/L		10/17/25 11:52	10/23/25 00:10	1
2-Chloronaphthalene	ND		10.1	0.383	ug/L		10/17/25 11:52	10/23/25 00:10	1
2-Chlorophenol	ND		10.1	0.846	ug/L		10/17/25 11:52	10/23/25 00:10	1
2-Methylnaphthalene	ND		10.1	0.815	ug/L		10/17/25 11:52	10/23/25 00:10	1
2-Methylphenol	ND		10.1	0.765	ug/L		10/17/25 11:52	10/23/25 00:10	1
2-Nitroaniline	ND		10.1	1.38	ug/L		10/17/25 11:52	10/23/25 00:10	1
2-Nitrophenol	ND		10.1	1.18	ug/L		10/17/25 11:52	10/23/25 00:10	1
3 & 4 Methylphenol	ND		20.1	4.63	ug/L		10/17/25 11:52	10/23/25 00:10	1
3,3'-Dichlorobenzidine	ND		11.1	0.413	ug/L		10/17/25 11:52	10/23/25 00:10	1
3-Nitroaniline	ND		10.1	0.956	ug/L		10/17/25 11:52	10/23/25 00:10	1
4,6-Dinitro-2-methylphenol	ND		10.1	1.98	ug/L		10/17/25 11:52	10/23/25 00:10	1
4-Bromophenyl phenyl ether	ND		10.1	0.131	ug/L		10/17/25 11:52	10/23/25 00:10	1
4-Chloro-3-methylphenol	ND		10.1	0.735	ug/L		10/17/25 11:52	10/23/25 00:10	1
4-Chloroaniline	ND		10.1	0.584	ug/L		10/17/25 11:52	10/23/25 00:10	1
4-Chlorophenyl phenyl ether	ND		10.1	0.242	ug/L		10/17/25 11:52	10/23/25 00:10	1
4-Nitroaniline	ND		10.1	3.52	ug/L		10/17/25 11:52	10/23/25 00:10	1
4-Nitrophenol	ND		10.1	2.76	ug/L		10/17/25 11:52	10/23/25 00:10	1
Acenaphthene	ND		10.1	0.634	ug/L		10/17/25 11:52	10/23/25 00:10	1
Acenaphthylene	ND		10.1	0.765	ug/L		10/17/25 11:52	10/23/25 00:10	1
Acetophenone	ND		10.1	3.22	ug/L		10/17/25 11:52	10/23/25 00:10	1
Anthracene	ND		10.1	0.916	ug/L		10/17/25 11:52	10/23/25 00:10	1
Atrazine	ND		10.1	1.14	ug/L		10/17/25 11:52	10/23/25 00:10	1
Benzaldehyde	ND		10.1	0.674	ug/L		10/17/25 11:52	10/23/25 00:10	1
Benzo[a]anthracene	ND		10.1	1.01	ug/L		10/17/25 11:52	10/23/25 00:10	1
Benzo[a]pyrene	ND		10.1	1.11	ug/L		10/17/25 11:52	10/23/25 00:10	1
Benzo[b]fluoranthene	ND		10.1	1.21	ug/L		10/17/25 11:52	10/23/25 00:10	1
Benzo[g,h,i]perylene	ND		10.1	1.51	ug/L		10/17/25 11:52	10/23/25 00:10	1
Benzo[k]fluoranthene	ND		10.1	1.51	ug/L		10/17/25 11:52	10/23/25 00:10	1
bis (2-chloroisopropyl) ether	ND		10.1	0.936	ug/L		10/17/25 11:52	10/23/25 00:10	1
Bis(2-chloroethoxy)methane	ND		10.1	0.342	ug/L		10/17/25 11:52	10/23/25 00:10	1
Bis(2-chloroethyl)ether	ND		10.1	0.735	ug/L		10/17/25 11:52	10/23/25 00:10	1
Bis(2-ethylhexyl) phthalate	**5.74**	**J B**	10.1	4.03	ug/L		10/17/25 11:52	10/23/25 00:10	1
Butyl benzyl phthalate	ND		10.1	4.03	ug/L		10/17/25 11:52	10/23/25 00:10	1
Caprolactam	ND	*+	10.1	2.42	ug/L		10/17/25 11:52	10/23/25 00:10	1
Carbazole	ND		10.1	0.322	ug/L		10/17/25 11:52	10/23/25 00:10	1
Chrysene	ND		10.1	1.21	ug/L		10/17/25 11:52	10/23/25 00:10	1

Client Sample ID: SW-7

Date Collected: 10/14/25 15:10
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38113-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		10.1	1.31	ug/L		10/17/25 11:52	10/23/25 00:10	1
Dibenzofuran	ND		10.1	0.644	ug/L		10/17/25 11:52	10/23/25 00:10	1
Diethyl phthalate	ND		10.1	4.03	ug/L		10/17/25 11:52	10/23/25 00:10	1
Dimethyl phthalate	ND		10.1	4.03	ug/L		10/17/25 11:52	10/23/25 00:10	1
Di-n-butyl phthalate	ND		10.1	8.24	ug/L		10/17/25 11:52	10/23/25 00:10	1
Di-n-octyl phthalate	ND		10.1	4.03	ug/L		10/17/25 11:52	10/23/25 00:10	1
Fluoranthene	ND		10.1	0.634	ug/L		10/17/25 11:52	10/23/25 00:10	1
Fluorene	ND		10.1	0.674	ug/L		10/17/25 11:52	10/23/25 00:10	1
Hexachlorobenzene	ND		10.1	0.252	ug/L		10/17/25 11:52	10/23/25 00:10	1
Hexachlorobutadiene	ND		10.1	0.554	ug/L		10/17/25 11:52	10/23/25 00:10	1
Hexachlorocyclopentadiene	ND		20.1	0.322	ug/L		10/17/25 11:52	10/23/25 00:10	1
Hexachloroethane	ND		10.1	0.534	ug/L		10/17/25 11:52	10/23/25 00:10	1
Indeno[1,2,3-cd]pyrene	ND		10.1	1.11	ug/L		10/17/25 11:52	10/23/25 00:10	1
Isophorone	ND		10.1	0.805	ug/L		10/17/25 11:52	10/23/25 00:10	1
Naphthalene	ND		10.1	0.755	ug/L		10/17/25 11:52	10/23/25 00:10	1
Nitrobenzene	ND		10.1	0.604	ug/L		10/17/25 11:52	10/23/25 00:10	1
N-Nitrosodi-n-propylamine	ND		10.1	0.332	ug/L		10/17/25 11:52	10/23/25 00:10	1
N-Nitrosodiphenylamine	ND		10.1	0.191	ug/L		10/17/25 11:52	10/23/25 00:10	1
Pentachlorophenol	ND		10.1	2.82	ug/L		10/17/25 11:52	10/23/25 00:10	1
Phenanthrene	ND		10.1	0.745	ug/L		10/17/25 11:52	10/23/25 00:10	1
Phenol	ND		10.1	0.685	ug/L		10/17/25 11:52	10/23/25 00:10	1
Pyrene	ND		10.1	0.634	ug/L		10/17/25 11:52	10/23/25 00:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*94*		*10 - 150*	*10/17/25 11:52*	*10/23/25 00:10*	*1*
2-Fluorobiphenyl (Surr)	*80*		*25 - 139*	*10/17/25 11:52*	*10/23/25 00:10*	*1*
2-Fluorophenol (Surr)	*95*		*10 - 150*	*10/17/25 11:52*	*10/23/25 00:10*	*1*
Nitrobenzene-d5 (Surr)	*85*		*22 - 150*	*10/17/25 11:52*	*10/23/25 00:10*	*1*
Phenol-d5 (Surr)	*84*		*10 - 150*	*10/17/25 11:52*	*10/23/25 00:10*	*1*
Terphenyl-d14 (Surr)	*65*		*28 - 150*	*10/17/25 11:52*	*10/23/25 00:10*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**15.3**		1.00	0.390	mg/L			10/24/25 04:48	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	2.45	ug/L		10/21/25 07:23	10/21/25 21:13	1
Arsenic	ND		5.00	1.32	ug/L		10/21/25 07:23	10/21/25 21:13	1
Barium	**37.6**		10.0	0.410	ug/L		10/21/25 07:23	10/21/25 21:13	1
Beryllium	ND		1.00	0.147	ug/L		10/21/25 07:23	10/21/25 21:13	1
Cadmium	ND		0.700	0.237	ug/L		10/21/25 07:23	10/21/25 21:13	1
Chromium	ND		5.00	3.69	ug/L		10/21/25 07:23	10/21/25 21:13	1
Cobalt	ND		5.00	0.411	ug/L		10/21/25 07:23	10/21/25 21:13	1
Copper	**2.57**		2.00	0.642	ug/L		10/21/25 07:23	10/21/25 21:13	1
Lead	ND		1.00	0.864	ug/L		10/21/25 07:23	10/21/25 21:13	1
Manganese	**165**		5.00	1.29	ug/L		10/21/25 07:23	10/21/25 21:13	1
Nickel	**0.985**	**J**	5.00	0.422	ug/L		10/21/25 07:23	10/21/25 21:13	1
Selenium	ND		5.00	2.29	ug/L		10/21/25 07:23	10/21/25 21:13	1
Silver	ND		1.00	0.167	ug/L		10/21/25 07:23	10/21/25 21:13	1

Client Sample ID: SW-7

Date Collected: 10/14/25 15:10
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38113-7
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		1.00	0.190	ug/L		10/21/25 07:23	10/21/25 21:13	1
Vanadium	**2.54**	**J B**	5.00	1.22	ug/L		10/21/25 07:23	10/21/25 21:13	1
Zinc	**13.3**		10.0	8.91	ug/L		10/21/25 07:23	10/21/25 21:13	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		10/23/25 08:45	10/23/25 20:26	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			10/21/25 13:17	1
Nitrite as N (EPA 353.2)	ND		0.100	0.0168	mg/L			10/15/25 14:42	1
Nitrate as N (SM Nitrate by calc)	**0.113**		0.100	0.0250	mg/L			10/21/25 09:23	1
Nitrate Nitrite as N (SM 4500 NO3 F)	**0.113**		0.0500	0.0180	mg/L			10/17/25 17:33	1

Client Sample ID: SW-8

Date Collected: 10/14/25 16:00
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38113-8
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			10/23/25 18:19	1
Benzene	ND		1.00	0.500	ug/L			10/23/25 18:19	1
Bromobenzene	ND		1.00	0.540	ug/L			10/23/25 18:19	1
Bromoform	ND		5.00	0.250	ug/L			10/23/25 18:19	1
Bromomethane	ND		1.00	0.980	ug/L			10/23/25 18:19	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			10/23/25 18:19	1
Carbon disulfide	ND		1.00	0.500	ug/L			10/23/25 18:19	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			10/23/25 18:19	1
Chlorobenzene	ND		1.00	0.420	ug/L			10/23/25 18:19	1
Chlorobromomethane	ND		1.00	0.520	ug/L			10/23/25 18:19	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			10/23/25 18:19	1
Chloroethane	ND		1.00	0.760	ug/L			10/23/25 18:19	1
Chloroform	ND		1.00	0.900	ug/L			10/23/25 18:19	1
Chloromethane	ND		1.00	0.400	ug/L			10/23/25 18:19	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			10/23/25 18:19	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			10/23/25 18:19	1
cis-1,2-Dichloroethene	**0.923**	**J**	1.00	0.200	ug/L			10/23/25 18:19	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			10/23/25 18:19	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			10/23/25 18:19	1
Dibromomethane	ND		5.00	0.220	ug/L			10/23/25 18:19	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			10/23/25 18:19	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			10/23/25 18:19	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			10/23/25 18:19	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			10/23/25 18:19	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			10/23/25 18:19	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			10/23/25 18:19	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			10/23/25 18:19	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 18:19	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 18:19	1

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38113-1

Client Sample ID: SW-8

Date Collected: 10/14/25 16:00
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38113-8

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 18:19	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			10/23/25 18:19	1
Ethyl acetate	ND		10.0	6.14	ug/L			10/23/25 18:19	1
Ethylbenzene	ND		1.00	0.500	ug/L			10/23/25 18:19	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			10/23/25 18:19	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			10/23/25 18:19	1
Hexane	ND		1.00	0.960	ug/L			10/23/25 18:19	1
2-Hexanone	ND		25.0	4.26	ug/L			10/23/25 18:19	1
Iodomethane	ND		1.00	0.900	ug/L			10/23/25 18:19	1
Isopropylbenzene	ND		1.00	0.530	ug/L			10/23/25 18:19	1
Isopropyl ether	ND		1.00	0.740	ug/L			10/23/25 18:19	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			10/23/25 18:19	1
Methylene Chloride	ND		5.00	3.00	ug/L			10/23/25 18:19	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			10/23/25 18:19	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			10/23/25 18:19	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			10/23/25 18:19	1
Naphthalene	ND		5.00	3.00	ug/L			10/23/25 18:19	1
n-Butylbenzene	ND		1.00	0.760	ug/L			10/23/25 18:19	1
n-Heptane	ND		1.00	0.210	ug/L			10/23/25 18:19	1
N-Propylbenzene	ND		1.00	0.690	ug/L			10/23/25 18:19	1
o-Xylene	ND		5.00	3.00	ug/L			10/23/25 18:19	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			10/23/25 18:19	1
Styrene	ND		1.00	1.00	ug/L			10/23/25 18:19	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			10/23/25 18:19	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			10/23/25 18:19	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			10/23/25 18:19	1
Tetrachloroethene	ND		1.00	0.330	ug/L			10/23/25 18:19	1
Toluene	ND		1.00	0.900	ug/L			10/23/25 18:19	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			10/23/25 18:19	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			10/23/25 18:19	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			10/23/25 18:19	1
1,2,3-Trichlorobenzene	ND	*+	1.00	0.900	ug/L			10/23/25 18:19	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			10/23/25 18:19	1
1,1,1-Trichloroethane	**0.369**	**J**	1.00	0.180	ug/L			10/23/25 18:19	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			10/23/25 18:19	1
Trichloroethene	ND		1.00	0.150	ug/L			10/23/25 18:19	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			10/23/25 18:19	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			10/23/25 18:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**2.25**		1.00	0.500	ug/L			10/24/25 13:14	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			10/23/25 18:19	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			10/23/25 18:19	1
Vinyl acetate	ND		25.0	0.930	ug/L			10/23/25 18:19	1
Vinyl chloride	ND		1.00	0.500	ug/L			10/23/25 18:19	1
Xylenes, Total	ND		10.0	6.00	ug/L			10/23/25 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*56 - 136*		*10/23/25 18:19*	*1*
4-Bromofluorobenzene	*103*		*56 - 136*		*10/24/25 13:14*	*1*
Dibromofluoromethane	*103*		*79 - 130*		*10/23/25 18:19*	*1*

Client Sample ID: SW-8
Lab Sample ID: 752-38113-8
Date Collected: 10/14/25 16:00
Matrix: Water
Date Received: 10/15/25 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*105*		*79 - 130*		*10/24/25 13:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*59 - 146*		*10/23/25 18:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*59 - 146*		*10/24/25 13:14*	*1*
Toluene-d8 (Surr)	*112*		*64 - 132*		*10/23/25 18:19*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*10/24/25 13:14*	*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		0.281	0.281	ug/L		10/17/25 16:48	10/20/25 21:00	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*30*		*10 - 140*	*10/17/25 16:48*	*10/20/25 21:00*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		10.2	0.430	ug/L		10/17/25 11:52	10/23/25 00:40	1
2,4,5-Trichlorophenol	ND		10.2	0.553	ug/L		10/17/25 11:52	10/23/25 00:40	1
2,4,6-Trichlorophenol	ND		10.2	1.12	ug/L		10/17/25 11:52	10/23/25 00:40	1
2,4-Dichlorophenol	ND		10.2	0.584	ug/L		10/17/25 11:52	10/23/25 00:40	1
2,4-Dimethylphenol	ND		10.2	0.246	ug/L		10/17/25 11:52	10/23/25 00:40	1
2,4-Dinitrophenol	ND		30.7	4.79	ug/L		10/17/25 11:52	10/23/25 00:40	1
2,4-Dinitrotoluene	ND		10.2	0.666	ug/L		10/17/25 11:52	10/23/25 00:40	1
2,6-Dinitrotoluene	ND		10.2	0.297	ug/L		10/17/25 11:52	10/23/25 00:40	1
2-Chloronaphthalene	ND		10.2	0.389	ug/L		10/17/25 11:52	10/23/25 00:40	1
2-Chlorophenol	ND		10.2	0.860	ug/L		10/17/25 11:52	10/23/25 00:40	1
2-Methylnaphthalene	ND		10.2	0.829	ug/L		10/17/25 11:52	10/23/25 00:40	1
2-Methylphenol	ND		10.2	0.778	ug/L		10/17/25 11:52	10/23/25 00:40	1
2-Nitroaniline	ND		10.2	1.40	ug/L		10/17/25 11:52	10/23/25 00:40	1
2-Nitrophenol	ND		10.2	1.20	ug/L		10/17/25 11:52	10/23/25 00:40	1
3 & 4 Methylphenol	ND		20.5	4.71	ug/L		10/17/25 11:52	10/23/25 00:40	1
3,3'-Dichlorobenzidine	ND		11.3	0.420	ug/L		10/17/25 11:52	10/23/25 00:40	1
3-Nitroaniline	ND		10.2	0.973	ug/L		10/17/25 11:52	10/23/25 00:40	1
4,6-Dinitro-2-methylphenol	ND		10.2	2.02	ug/L		10/17/25 11:52	10/23/25 00:40	1
4-Bromophenyl phenyl ether	ND		10.2	0.133	ug/L		10/17/25 11:52	10/23/25 00:40	1
4-Chloro-3-methylphenol	ND		10.2	0.747	ug/L		10/17/25 11:52	10/23/25 00:40	1
4-Chloroaniline	ND		10.2	0.594	ug/L		10/17/25 11:52	10/23/25 00:40	1
4-Chlorophenyl phenyl ether	ND		10.2	0.246	ug/L		10/17/25 11:52	10/23/25 00:40	1
4-Nitroaniline	ND		10.2	3.58	ug/L		10/17/25 11:52	10/23/25 00:40	1
4-Nitrophenol	ND		10.2	2.81	ug/L		10/17/25 11:52	10/23/25 00:40	1
Acenaphthene	ND		10.2	0.645	ug/L		10/17/25 11:52	10/23/25 00:40	1
Acenaphthylene	ND		10.2	0.778	ug/L		10/17/25 11:52	10/23/25 00:40	1
Acetophenone	ND		10.2	3.28	ug/L		10/17/25 11:52	10/23/25 00:40	1
Anthracene	ND		10.2	0.932	ug/L		10/17/25 11:52	10/23/25 00:40	1
Atrazine	ND		10.2	1.16	ug/L		10/17/25 11:52	10/23/25 00:40	1
Benzaldehyde	ND		10.2	0.686	ug/L		10/17/25 11:52	10/23/25 00:40	1
Benzo[a]anthracene	ND		10.2	1.02	ug/L		10/17/25 11:52	10/23/25 00:40	1
Benzo[a]pyrene	ND		10.2	1.13	ug/L		10/17/25 11:52	10/23/25 00:40	1
Benzo[b]fluoranthene	ND		10.2	1.23	ug/L		10/17/25 11:52	10/23/25 00:40	1
Benzo[g,h,i]perylene	ND		10.2	1.54	ug/L		10/17/25 11:52	10/23/25 00:40	1
Benzo[k]fluoranthene	ND		10.2	1.54	ug/L		10/17/25 11:52	10/23/25 00:40	1

Client Sample ID: SW-8

Date Collected: 10/14/25 16:00
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38113-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		10.2	0.952	ug/L		10/17/25 11:52	10/23/25 00:40	1
Bis(2-chloroethoxy)methane	ND		10.2	0.348	ug/L		10/17/25 11:52	10/23/25 00:40	1
Bis(2-chloroethyl)ether	ND		10.2	0.747	ug/L		10/17/25 11:52	10/23/25 00:40	1
Bis(2-ethylhexyl) phthalate	**5.39**	**J B**	10.2	4.10	ug/L		10/17/25 11:52	10/23/25 00:40	1
Butyl benzyl phthalate	ND		10.2	4.10	ug/L		10/17/25 11:52	10/23/25 00:40	1
Caprolactam	ND	*+	10.2	2.46	ug/L		10/17/25 11:52	10/23/25 00:40	1
Carbazole	ND		10.2	0.328	ug/L		10/17/25 11:52	10/23/25 00:40	1
Chrysene	ND		10.2	1.23	ug/L		10/17/25 11:52	10/23/25 00:40	1
Dibenz(a,h)anthracene	ND		10.2	1.33	ug/L		10/17/25 11:52	10/23/25 00:40	1
Dibenzofuran	ND		10.2	0.655	ug/L		10/17/25 11:52	10/23/25 00:40	1
Diethyl phthalate	ND		10.2	4.10	ug/L		10/17/25 11:52	10/23/25 00:40	1
Dimethyl phthalate	ND		10.2	4.10	ug/L		10/17/25 11:52	10/23/25 00:40	1
Di-n-butyl phthalate	ND		10.2	8.39	ug/L		10/17/25 11:52	10/23/25 00:40	1
Di-n-octyl phthalate	ND		10.2	4.10	ug/L		10/17/25 11:52	10/23/25 00:40	1
Fluoranthene	ND		10.2	0.645	ug/L		10/17/25 11:52	10/23/25 00:40	1
Fluorene	ND		10.2	0.686	ug/L		10/17/25 11:52	10/23/25 00:40	1
Hexachlorobenzene	ND		10.2	0.256	ug/L		10/17/25 11:52	10/23/25 00:40	1
Hexachlorobutadiene	ND		10.2	0.563	ug/L		10/17/25 11:52	10/23/25 00:40	1
Hexachlorocyclopentadiene	ND		20.5	0.328	ug/L		10/17/25 11:52	10/23/25 00:40	1
Hexachloroethane	ND		10.2	0.543	ug/L		10/17/25 11:52	10/23/25 00:40	1
Indeno[1,2,3-cd]pyrene	ND		10.2	1.13	ug/L		10/17/25 11:52	10/23/25 00:40	1
Isophorone	ND		10.2	0.819	ug/L		10/17/25 11:52	10/23/25 00:40	1
Naphthalene	ND		10.2	0.768	ug/L		10/17/25 11:52	10/23/25 00:40	1
Nitrobenzene	ND		10.2	0.614	ug/L		10/17/25 11:52	10/23/25 00:40	1
N-Nitrosodi-n-propylamine	ND		10.2	0.338	ug/L		10/17/25 11:52	10/23/25 00:40	1
N-Nitrosodiphenylamine	ND		10.2	0.195	ug/L		10/17/25 11:52	10/23/25 00:40	1
Pentachlorophenol	ND		10.2	2.87	ug/L		10/17/25 11:52	10/23/25 00:40	1
Phenanthrene	ND		10.2	0.758	ug/L		10/17/25 11:52	10/23/25 00:40	1
Phenol	ND		10.2	0.696	ug/L		10/17/25 11:52	10/23/25 00:40	1
Pyrene	ND		10.2	0.645	ug/L		10/17/25 11:52	10/23/25 00:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*91*		*10 - 150*	*10/17/25 11:52*	*10/23/25 00:40*	*1*
2-Fluorobiphenyl (Surr)	*80*		*25 - 139*	*10/17/25 11:52*	*10/23/25 00:40*	*1*
2-Fluorophenol (Surr)	*86*		*10 - 150*	*10/17/25 11:52*	*10/23/25 00:40*	*1*
Nitrobenzene-d5 (Surr)	*77*		*22 - 150*	*10/17/25 11:52*	*10/23/25 00:40*	*1*
Phenol-d5 (Surr)	*79*		*10 - 150*	*10/17/25 11:52*	*10/23/25 00:40*	*1*
Terphenyl-d14 (Surr)	*65*		*28 - 150*	*10/17/25 11:52*	*10/23/25 00:40*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**15.7**		1.00	0.390	mg/L			10/24/25 04:56	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		10/21/25 07:23	10/21/25 21:16	1
Arsenic	ND		5.00	1.32	ug/L		10/21/25 07:23	10/21/25 21:16	1
Barium	**36.2**		10.0	0.410	ug/L		10/21/25 07:23	10/21/25 21:16	1
Beryllium	ND		1.00	0.147	ug/L		10/21/25 07:23	10/21/25 21:16	1
Cadmium	ND		0.700	0.237	ug/L		10/21/25 07:23	10/21/25 21:16	1

Client Sample ID: SW-8

Date Collected: 10/14/25 16:00
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38113-8
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		5.00	3.69	ug/L		10/21/25 07:23	10/21/25 21:16	1
Cobalt	ND		5.00	0.411	ug/L		10/21/25 07:23	10/21/25 21:16	1
Copper	**2.42**		2.00	0.642	ug/L		10/21/25 07:23	10/21/25 21:16	1
Lead	ND		1.00	0.864	ug/L		10/21/25 07:23	10/21/25 21:16	1
Manganese	**124**		5.00	1.29	ug/L		10/21/25 07:23	10/21/25 21:16	1
Nickel	**1.09**	**J**	5.00	0.422	ug/L		10/21/25 07:23	10/21/25 21:16	1
Selenium	ND		5.00	2.29	ug/L		10/21/25 07:23	10/21/25 21:16	1
Silver	ND		1.00	0.167	ug/L		10/21/25 07:23	10/21/25 21:16	1
Thallium	ND		1.00	0.190	ug/L		10/21/25 07:23	10/21/25 21:16	1
Vanadium	**2.32**	**J B**	5.00	1.22	ug/L		10/21/25 07:23	10/21/25 21:16	1
Zinc	ND		10.0	8.91	ug/L		10/21/25 07:23	10/21/25 21:16	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		10/24/25 07:43	10/23/25 20:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	**0.0540**		0.0500	0.0460	mg/L			10/21/25 13:22	1
Nitrite as N (EPA 353.2)	ND		0.100	0.0168	mg/L			10/15/25 18:12	1
Nitrate as N (SM Nitrate by calc)	ND		0.100	0.0250	mg/L			10/21/25 09:23	1
Nitrate Nitrite as N (SM 4500 NO3 F)	**0.0370**	**J**	0.0500	0.0180	mg/L			10/17/25 17:34	1

Client Sample ID: SW-9

Date Collected: 10/14/25 16:30
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38113-9
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			10/23/25 18:43	1
Benzene	ND		1.00	0.500	ug/L			10/23/25 18:43	1
Bromobenzene	ND		1.00	0.540	ug/L			10/23/25 18:43	1
Bromoform	ND		5.00	0.250	ug/L			10/23/25 18:43	1
Bromomethane	ND		1.00	0.980	ug/L			10/23/25 18:43	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			10/23/25 18:43	1
Carbon disulfide	ND		1.00	0.500	ug/L			10/23/25 18:43	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			10/23/25 18:43	1
Chlorobenzene	ND		1.00	0.420	ug/L			10/23/25 18:43	1
Chlorobromomethane	ND		1.00	0.520	ug/L			10/23/25 18:43	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			10/23/25 18:43	1
Chloroethane	ND		1.00	0.760	ug/L			10/23/25 18:43	1
Chloroform	ND		1.00	0.900	ug/L			10/23/25 18:43	1
Chloromethane	ND		1.00	0.400	ug/L			10/23/25 18:43	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			10/23/25 18:43	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			10/23/25 18:43	1
cis-1,2-Dichloroethene	**1.06**		1.00	0.200	ug/L			10/23/25 18:43	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			10/23/25 18:43	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			10/23/25 18:43	1
Dibromomethane	ND		5.00	0.220	ug/L			10/23/25 18:43	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			10/23/25 18:43	1

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38113-1

Client Sample ID: SW-9

Date Collected: 10/14/25 16:30
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38113-9

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			10/23/25 18:43	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			10/23/25 18:43	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			10/23/25 18:43	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			10/23/25 18:43	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			10/23/25 18:43	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			10/23/25 18:43	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 18:43	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 18:43	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 18:43	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			10/23/25 18:43	1
Ethyl acetate	ND		10.0	6.14	ug/L			10/23/25 18:43	1
Ethylbenzene	ND		1.00	0.500	ug/L			10/23/25 18:43	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			10/23/25 18:43	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			10/23/25 18:43	1
Hexane	ND		1.00	0.960	ug/L			10/23/25 18:43	1
2-Hexanone	ND		25.0	4.26	ug/L			10/23/25 18:43	1
Iodomethane	ND		1.00	0.900	ug/L			10/23/25 18:43	1
Isopropylbenzene	ND		1.00	0.530	ug/L			10/23/25 18:43	1
Isopropyl ether	ND		1.00	0.740	ug/L			10/23/25 18:43	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			10/23/25 18:43	1
Methylene Chloride	ND		5.00	3.00	ug/L			10/23/25 18:43	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			10/23/25 18:43	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			10/23/25 18:43	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			10/23/25 18:43	1
Naphthalene	ND		5.00	3.00	ug/L			10/23/25 18:43	1
n-Butylbenzene	ND		1.00	0.760	ug/L			10/23/25 18:43	1
n-Heptane	ND		1.00	0.210	ug/L			10/23/25 18:43	1
N-Propylbenzene	ND		1.00	0.690	ug/L			10/23/25 18:43	1
o-Xylene	ND		5.00	3.00	ug/L			10/23/25 18:43	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			10/23/25 18:43	1
Styrene	ND		1.00	1.00	ug/L			10/23/25 18:43	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			10/23/25 18:43	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			10/23/25 18:43	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			10/23/25 18:43	1
Tetrachloroethene	ND		1.00	0.330	ug/L			10/23/25 18:43	1
Toluene	ND		1.00	0.900	ug/L			10/23/25 18:43	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			10/23/25 18:43	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			10/23/25 18:43	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			10/23/25 18:43	1
1,2,3-Trichlorobenzene	ND	*+	1.00	0.900	ug/L			10/23/25 18:43	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			10/23/25 18:43	1
1,1,1-Trichloroethane	**0.329**	**J**	1.00	0.180	ug/L			10/23/25 18:43	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			10/23/25 18:43	1
Trichloroethene	ND		1.00	0.150	ug/L			10/23/25 18:43	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			10/23/25 18:43	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			10/23/25 18:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**2.74**		1.00	0.500	ug/L			10/24/25 13:39	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			10/23/25 18:43	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			10/23/25 18:43	1

Client Sample ID: SW-9

Date Collected: 10/14/25 16:30
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38113-9

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	ND		25.0	0.930	ug/L			10/23/25 18:43	1
Vinyl chloride	**0.593**	**J**	1.00	0.500	ug/L			10/23/25 18:43	1
Xylenes, Total	ND		10.0	6.00	ug/L			10/23/25 18:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*56 - 136*		*10/23/25 18:43*	*1*
4-Bromofluorobenzene	*104*		*56 - 136*		*10/24/25 13:39*	*1*
Dibromofluoromethane	*102*		*79 - 130*		*10/23/25 18:43*	*1*
Dibromofluoromethane	*105*		*79 - 130*		*10/24/25 13:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*59 - 146*		*10/23/25 18:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*59 - 146*		*10/24/25 13:39*	*1*
Toluene-d8 (Surr)	*113*		*64 - 132*		*10/23/25 18:43*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*10/24/25 13:39*	*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		10/17/25 16:48	10/20/25 21:21	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*31*		*10 - 140*	*10/17/25 16:48*	*10/20/25 21:21*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		10.1	0.424	ug/L		10/17/25 11:52	10/23/25 01:10	1
2,4,5-Trichlorophenol	ND		10.1	0.545	ug/L		10/17/25 11:52	10/23/25 01:10	1
2,4,6-Trichlorophenol	ND		10.1	1.10	ug/L		10/17/25 11:52	10/23/25 01:10	1
2,4-Dichlorophenol	ND		10.1	0.576	ug/L		10/17/25 11:52	10/23/25 01:10	1
2,4-Dimethylphenol	ND		10.1	0.242	ug/L		10/17/25 11:52	10/23/25 01:10	1
2,4-Dinitrophenol	ND		30.3	4.73	ug/L		10/17/25 11:52	10/23/25 01:10	1
2,4-Dinitrotoluene	ND		10.1	0.657	ug/L		10/17/25 11:52	10/23/25 01:10	1
2,6-Dinitrotoluene	ND		10.1	0.293	ug/L		10/17/25 11:52	10/23/25 01:10	1
2-Chloronaphthalene	ND		10.1	0.384	ug/L		10/17/25 11:52	10/23/25 01:10	1
2-Chlorophenol	ND		10.1	0.848	ug/L		10/17/25 11:52	10/23/25 01:10	1
2-Methylnaphthalene	ND		10.1	0.818	ug/L		10/17/25 11:52	10/23/25 01:10	1
2-Methylphenol	ND		10.1	0.768	ug/L		10/17/25 11:52	10/23/25 01:10	1
2-Nitroaniline	ND		10.1	1.38	ug/L		10/17/25 11:52	10/23/25 01:10	1
2-Nitrophenol	ND		10.1	1.18	ug/L		10/17/25 11:52	10/23/25 01:10	1
3 & 4 Methylphenol	ND		20.2	4.65	ug/L		10/17/25 11:52	10/23/25 01:10	1
3,3'-Dichlorobenzidine	ND		11.1	0.414	ug/L		10/17/25 11:52	10/23/25 01:10	1
3-Nitroaniline	ND		10.1	0.960	ug/L		10/17/25 11:52	10/23/25 01:10	1
4,6-Dinitro-2-methylphenol	ND		10.1	1.99	ug/L		10/17/25 11:52	10/23/25 01:10	1
4-Bromophenyl phenyl ether	ND		10.1	0.131	ug/L		10/17/25 11:52	10/23/25 01:10	1
4-Chloro-3-methylphenol	ND		10.1	0.737	ug/L		10/17/25 11:52	10/23/25 01:10	1
4-Chloroaniline	ND		10.1	0.586	ug/L		10/17/25 11:52	10/23/25 01:10	1
4-Chlorophenyl phenyl ether	ND		10.1	0.242	ug/L		10/17/25 11:52	10/23/25 01:10	1
4-Nitroaniline	ND		10.1	3.54	ug/L		10/17/25 11:52	10/23/25 01:10	1
4-Nitrophenol	ND		10.1	2.77	ug/L		10/17/25 11:52	10/23/25 01:10	1
Acenaphthene	ND		10.1	0.636	ug/L		10/17/25 11:52	10/23/25 01:10	1
Acenaphthylene	ND		10.1	0.768	ug/L		10/17/25 11:52	10/23/25 01:10	1
Acetophenone	ND		10.1	3.23	ug/L		10/17/25 11:52	10/23/25 01:10	1
Anthracene	ND		10.1	0.919	ug/L		10/17/25 11:52	10/23/25 01:10	1

Client Sample ID: SW-9
Date Collected: 10/14/25 16:30
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38113-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	ND		10.1	1.14	ug/L		10/17/25 11:52	10/23/25 01:10	1
Benzaldehyde	ND		10.1	0.677	ug/L		10/17/25 11:52	10/23/25 01:10	1
Benzo[a]anthracene	ND		10.1	1.01	ug/L		10/17/25 11:52	10/23/25 01:10	1
Benzo[a]pyrene	ND		10.1	1.11	ug/L		10/17/25 11:52	10/23/25 01:10	1
Benzo[b]fluoranthene	ND		10.1	1.21	ug/L		10/17/25 11:52	10/23/25 01:10	1
Benzo[g,h,i]perylene	ND		10.1	1.52	ug/L		10/17/25 11:52	10/23/25 01:10	1
Benzo[k]fluoranthene	ND		10.1	1.52	ug/L		10/17/25 11:52	10/23/25 01:10	1
bis (2-chloroisopropyl) ether	ND		10.1	0.939	ug/L		10/17/25 11:52	10/23/25 01:10	1
Bis(2-chloroethoxy)methane	ND		10.1	0.343	ug/L		10/17/25 11:52	10/23/25 01:10	1
Bis(2-chloroethyl)ether	ND		10.1	0.737	ug/L		10/17/25 11:52	10/23/25 01:10	1
Bis(2-ethylhexyl) phthalate	**5.02**	**J B**	10.1	4.04	ug/L		10/17/25 11:52	10/23/25 01:10	1
Butyl benzyl phthalate	ND		10.1	4.04	ug/L		10/17/25 11:52	10/23/25 01:10	1
Caprolactam	ND	*+	10.1	2.42	ug/L		10/17/25 11:52	10/23/25 01:10	1
Carbazole	ND		10.1	0.323	ug/L		10/17/25 11:52	10/23/25 01:10	1
Chrysene	ND		10.1	1.21	ug/L		10/17/25 11:52	10/23/25 01:10	1
Dibenz(a,h)anthracene	ND		10.1	1.31	ug/L		10/17/25 11:52	10/23/25 01:10	1
Dibenzofuran	ND		10.1	0.646	ug/L		10/17/25 11:52	10/23/25 01:10	1
Diethyl phthalate	ND		10.1	4.04	ug/L		10/17/25 11:52	10/23/25 01:10	1
Dimethyl phthalate	ND		10.1	4.04	ug/L		10/17/25 11:52	10/23/25 01:10	1
Di-n-butyl phthalate	ND		10.1	8.27	ug/L		10/17/25 11:52	10/23/25 01:10	1
Di-n-octyl phthalate	ND		10.1	4.04	ug/L		10/17/25 11:52	10/23/25 01:10	1
Fluoranthene	ND		10.1	0.636	ug/L		10/17/25 11:52	10/23/25 01:10	1
Fluorene	ND		10.1	0.677	ug/L		10/17/25 11:52	10/23/25 01:10	1
Hexachlorobenzene	ND		10.1	0.253	ug/L		10/17/25 11:52	10/23/25 01:10	1
Hexachlorobutadiene	ND		10.1	0.556	ug/L		10/17/25 11:52	10/23/25 01:10	1
Hexachlorocyclopentadiene	ND		20.2	0.323	ug/L		10/17/25 11:52	10/23/25 01:10	1
Hexachloroethane	ND		10.1	0.535	ug/L		10/17/25 11:52	10/23/25 01:10	1
Indeno[1,2,3-cd]pyrene	ND		10.1	1.11	ug/L		10/17/25 11:52	10/23/25 01:10	1
Isophorone	ND		10.1	0.808	ug/L		10/17/25 11:52	10/23/25 01:10	1
Naphthalene	ND		10.1	0.758	ug/L		10/17/25 11:52	10/23/25 01:10	1
Nitrobenzene	ND		10.1	0.606	ug/L		10/17/25 11:52	10/23/25 01:10	1
N-Nitrosodi-n-propylamine	ND		10.1	0.333	ug/L		10/17/25 11:52	10/23/25 01:10	1
N-Nitrosodiphenylamine	ND		10.1	0.192	ug/L		10/17/25 11:52	10/23/25 01:10	1
Pentachlorophenol	ND		10.1	2.83	ug/L		10/17/25 11:52	10/23/25 01:10	1
Phenanthrene	ND		10.1	0.747	ug/L		10/17/25 11:52	10/23/25 01:10	1
Phenol	ND		10.1	0.687	ug/L		10/17/25 11:52	10/23/25 01:10	1
Pyrene	ND		10.1	0.636	ug/L		10/17/25 11:52	10/23/25 01:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*91*		*10 - 150*	*10/17/25 11:52*	*10/23/25 01:10*	*1*
2-Fluorobiphenyl (Surr)	*81*		*25 - 139*	*10/17/25 11:52*	*10/23/25 01:10*	*1*
2-Fluorophenol (Surr)	*96*		*10 - 150*	*10/17/25 11:52*	*10/23/25 01:10*	*1*
Nitrobenzene-d5 (Surr)	*84*		*22 - 150*	*10/17/25 11:52*	*10/23/25 01:10*	*1*
Phenol-d5 (Surr)	*89*		*10 - 150*	*10/17/25 11:52*	*10/23/25 01:10*	*1*
Terphenyl-d14 (Surr)	*66*		*28 - 150*	*10/17/25 11:52*	*10/23/25 01:10*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**16.2**		1.00	0.390	mg/L			10/24/25 05:22	1

Client Sample ID: SW-9

Date Collected: 10/14/25 16:30
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38113-9

Matrix: Water

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		10/21/25 07:23	10/21/25 21:18	1
Arsenic	ND		5.00	1.32	ug/L		10/21/25 07:23	10/21/25 21:18	1
Barium	**35.9**		10.0	0.410	ug/L		10/21/25 07:23	10/21/25 21:18	1
Beryllium	ND		1.00	0.147	ug/L		10/21/25 07:23	10/21/25 21:18	1
Cadmium	ND		0.700	0.237	ug/L		10/21/25 07:23	10/21/25 21:18	1
Chromium	ND		5.00	3.69	ug/L		10/21/25 07:23	10/21/25 21:18	1
Cobalt	ND		5.00	0.411	ug/L		10/21/25 07:23	10/21/25 21:18	1
Copper	**3.08**		2.00	0.642	ug/L		10/21/25 07:23	10/21/25 21:18	1
Lead	ND		1.00	0.864	ug/L		10/21/25 07:23	10/21/25 21:18	1
Manganese	**87.2**		5.00	1.29	ug/L		10/21/25 07:23	10/21/25 21:18	1
Nickel	**1.01**	**J**	5.00	0.422	ug/L		10/21/25 07:23	10/21/25 21:18	1
Selenium	ND		5.00	2.29	ug/L		10/21/25 07:23	10/21/25 21:18	1
Silver	ND		1.00	0.167	ug/L		10/21/25 07:23	10/21/25 21:18	1
Thallium	ND		1.00	0.190	ug/L		10/21/25 07:23	10/21/25 21:18	1
Vanadium	**2.46**	**J B**	5.00	1.22	ug/L		10/21/25 07:23	10/21/25 21:18	1
Zinc	ND		10.0	8.91	ug/L		10/21/25 07:23	10/21/25 21:18	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	F2	0.200	0.166	ug/L		10/24/25 12:28	10/24/25 15:53	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			10/21/25 13:25	1
Nitrite as N (EPA 353.2)	ND		0.100	0.0168	mg/L			10/15/25 18:14	1
Nitrate as N (SM Nitrate by calc)	ND		0.100	0.0250	mg/L			10/21/25 09:23	1
Nitrate Nitrite as N (SM 4500 NO3 F)	**0.0340**	**J**	0.0500	0.0180	mg/L			10/17/25 17:36	1

Client Sample ID: 101425-Dup SW

Date Collected: 10/14/25 00:00
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38113-10

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			10/23/25 19:07	1
Benzene	ND		1.00	0.500	ug/L			10/23/25 19:07	1
Bromobenzene	ND		1.00	0.540	ug/L			10/23/25 19:07	1
Bromoform	ND		5.00	0.250	ug/L			10/23/25 19:07	1
Bromomethane	ND		1.00	0.980	ug/L			10/23/25 19:07	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			10/23/25 19:07	1
Carbon disulfide	ND		1.00	0.500	ug/L			10/23/25 19:07	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			10/23/25 19:07	1
Chlorobenzene	ND		1.00	0.420	ug/L			10/23/25 19:07	1
Chlorobromomethane	ND		1.00	0.520	ug/L			10/23/25 19:07	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			10/23/25 19:07	1
Chloroethane	ND		1.00	0.760	ug/L			10/23/25 19:07	1
Chloroform	ND		1.00	0.900	ug/L			10/23/25 19:07	1
Chloromethane	ND		1.00	0.400	ug/L			10/23/25 19:07	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			10/23/25 19:07	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			10/23/25 19:07	1

Client Sample ID: 101425-Dup SW
Lab Sample ID: 752-38113-10

Date Collected: 10/14/25 00:00
Matrix: Water
Date Received: 10/15/25 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			10/23/25 19:07	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			10/23/25 19:07	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			10/23/25 19:07	1
Dibromomethane	ND		5.00	0.220	ug/L			10/23/25 19:07	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			10/23/25 19:07	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			10/23/25 19:07	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			10/23/25 19:07	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			10/23/25 19:07	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			10/23/25 19:07	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			10/23/25 19:07	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			10/23/25 19:07	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 19:07	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 19:07	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 19:07	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			10/23/25 19:07	1
Ethyl acetate	ND		10.0	6.14	ug/L			10/23/25 19:07	1
Ethylbenzene	ND		1.00	0.500	ug/L			10/23/25 19:07	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			10/23/25 19:07	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			10/23/25 19:07	1
Hexane	ND		1.00	0.960	ug/L			10/23/25 19:07	1
2-Hexanone	ND		25.0	4.26	ug/L			10/23/25 19:07	1
Iodomethane	ND		1.00	0.900	ug/L			10/23/25 19:07	1
Isopropylbenzene	ND		1.00	0.530	ug/L			10/23/25 19:07	1
Isopropyl ether	ND		1.00	0.740	ug/L			10/23/25 19:07	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			10/23/25 19:07	1
Methylene Chloride	ND		5.00	3.00	ug/L			10/23/25 19:07	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			10/23/25 19:07	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			10/23/25 19:07	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			10/23/25 19:07	1
Naphthalene	ND		5.00	3.00	ug/L			10/23/25 19:07	1
n-Butylbenzene	ND		1.00	0.760	ug/L			10/23/25 19:07	1
n-Heptane	ND		1.00	0.210	ug/L			10/23/25 19:07	1
N-Propylbenzene	ND		1.00	0.690	ug/L			10/23/25 19:07	1
o-Xylene	ND		5.00	3.00	ug/L			10/23/25 19:07	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			10/23/25 19:07	1
Styrene	ND		1.00	1.00	ug/L			10/23/25 19:07	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			10/23/25 19:07	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			10/23/25 19:07	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			10/23/25 19:07	1
Tetrachloroethene	ND		1.00	0.330	ug/L			10/23/25 19:07	1
Toluene	ND		1.00	0.900	ug/L			10/23/25 19:07	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			10/23/25 19:07	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			10/23/25 19:07	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			10/23/25 19:07	1
1,2,3-Trichlorobenzene	ND	*+	1.00	0.900	ug/L			10/23/25 19:07	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			10/23/25 19:07	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			10/23/25 19:07	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			10/23/25 19:07	1
Trichloroethene	ND		1.00	0.150	ug/L			10/23/25 19:07	1

Client Sample ID: 101425-Dup SW
Lab Sample ID: 752-38113-10

Date Collected: 10/14/25 00:00
Matrix: Water
Date Received: 10/15/25 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		1.00	0.250	ug/L			10/23/25 19:07	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			10/23/25 19:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*+	1.00	0.500	ug/L			10/23/25 19:07	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			10/23/25 19:07	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			10/23/25 19:07	1
Vinyl acetate	ND		25.0	0.930	ug/L			10/23/25 19:07	1
Vinyl chloride	ND		1.00	0.500	ug/L			10/23/25 19:07	1
Xylenes, Total	ND		10.0	6.00	ug/L			10/23/25 19:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*56 - 136*		*10/23/25 19:07*	*1*
Dibromofluoromethane	*101*		*79 - 130*		*10/23/25 19:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*59 - 146*		*10/23/25 19:07*	*1*
Toluene-d8 (Surr)	*113*		*64 - 132*		*10/23/25 19:07*	*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		0.285	0.285	ug/L		10/17/25 16:48	10/20/25 21:43	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*31*		*10 - 140*	*10/17/25 16:48*	*10/20/25 21:43*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		10.1	0.423	ug/L		10/17/25 11:52	10/23/25 01:39	1
2,4,5-Trichlorophenol	ND		10.1	0.544	ug/L		10/17/25 11:52	10/23/25 01:39	1
2,4,6-Trichlorophenol	ND		10.1	1.10	ug/L		10/17/25 11:52	10/23/25 01:39	1
2,4-Dichlorophenol	ND		10.1	0.574	ug/L		10/17/25 11:52	10/23/25 01:39	1
2,4-Dimethylphenol	ND		10.1	0.242	ug/L		10/17/25 11:52	10/23/25 01:39	1
2,4-Dinitrophenol	ND		30.2	4.71	ug/L		10/17/25 11:52	10/23/25 01:39	1
2,4-Dinitrotoluene	ND		10.1	0.654	ug/L		10/17/25 11:52	10/23/25 01:39	1
2,6-Dinitrotoluene	ND		10.1	0.292	ug/L		10/17/25 11:52	10/23/25 01:39	1
2-Chloronaphthalene	ND		10.1	0.383	ug/L		10/17/25 11:52	10/23/25 01:39	1
2-Chlorophenol	ND		10.1	0.846	ug/L		10/17/25 11:52	10/23/25 01:39	1
2-Methylnaphthalene	ND		10.1	0.815	ug/L		10/17/25 11:52	10/23/25 01:39	1
2-Methylphenol	ND		10.1	0.765	ug/L		10/17/25 11:52	10/23/25 01:39	1
2-Nitroaniline	ND		10.1	1.38	ug/L		10/17/25 11:52	10/23/25 01:39	1
2-Nitrophenol	ND		10.1	1.18	ug/L		10/17/25 11:52	10/23/25 01:39	1
3 & 4 Methylphenol	ND		20.1	4.63	ug/L		10/17/25 11:52	10/23/25 01:39	1
3,3'-Dichlorobenzidine	ND		11.1	0.413	ug/L		10/17/25 11:52	10/23/25 01:39	1
3-Nitroaniline	ND		10.1	0.956	ug/L		10/17/25 11:52	10/23/25 01:39	1
4,6-Dinitro-2-methylphenol	ND		10.1	1.98	ug/L		10/17/25 11:52	10/23/25 01:39	1
4-Bromophenyl phenyl ether	ND		10.1	0.131	ug/L		10/17/25 11:52	10/23/25 01:39	1
4-Chloro-3-methylphenol	ND		10.1	0.735	ug/L		10/17/25 11:52	10/23/25 01:39	1
4-Chloroaniline	ND		10.1	0.584	ug/L		10/17/25 11:52	10/23/25 01:39	1
4-Chlorophenyl phenyl ether	ND		10.1	0.242	ug/L		10/17/25 11:52	10/23/25 01:39	1
4-Nitroaniline	ND		10.1	3.52	ug/L		10/17/25 11:52	10/23/25 01:39	1
4-Nitrophenol	ND		10.1	2.76	ug/L		10/17/25 11:52	10/23/25 01:39	1
Acenaphthene	ND		10.1	0.634	ug/L		10/17/25 11:52	10/23/25 01:39	1
Acenaphthylene	ND		10.1	0.765	ug/L		10/17/25 11:52	10/23/25 01:39	1
Acetophenone	ND		10.1	3.22	ug/L		10/17/25 11:52	10/23/25 01:39	1

Client Sample ID: 101425-Dup SW
Lab Sample ID: 752-38113-10
Date Collected: 10/14/25 00:00
Matrix: Water
Date Received: 10/15/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		10.1	0.916	ug/L		10/17/25 11:52	10/23/25 01:39	1
Atrazine	ND		10.1	1.14	ug/L		10/17/25 11:52	10/23/25 01:39	1
Benzaldehyde	ND		10.1	0.674	ug/L		10/17/25 11:52	10/23/25 01:39	1
Benzo[a]anthracene	ND		10.1	1.01	ug/L		10/17/25 11:52	10/23/25 01:39	1
Benzo[a]pyrene	ND		10.1	1.11	ug/L		10/17/25 11:52	10/23/25 01:39	1
Benzo[b]fluoranthene	ND		10.1	1.21	ug/L		10/17/25 11:52	10/23/25 01:39	1
Benzo[g,h,i]perylene	ND		10.1	1.51	ug/L		10/17/25 11:52	10/23/25 01:39	1
Benzo[k]fluoranthene	ND		10.1	1.51	ug/L		10/17/25 11:52	10/23/25 01:39	1
bis (2-chloroisopropyl) ether	ND		10.1	0.936	ug/L		10/17/25 11:52	10/23/25 01:39	1
Bis(2-chloroethoxy)methane	ND		10.1	0.342	ug/L		10/17/25 11:52	10/23/25 01:39	1
Bis(2-chloroethyl)ether	ND		10.1	0.735	ug/L		10/17/25 11:52	10/23/25 01:39	1
Bis(2-ethylhexyl) phthalate	**5.45**	**J B**	10.1	4.03	ug/L		10/17/25 11:52	10/23/25 01:39	1
Butyl benzyl phthalate	ND		10.1	4.03	ug/L		10/17/25 11:52	10/23/25 01:39	1
Caprolactam	ND	*+	10.1	2.42	ug/L		10/17/25 11:52	10/23/25 01:39	1
Carbazole	ND		10.1	0.322	ug/L		10/17/25 11:52	10/23/25 01:39	1
Chrysene	ND		10.1	1.21	ug/L		10/17/25 11:52	10/23/25 01:39	1
Dibenz(a,h)anthracene	ND		10.1	1.31	ug/L		10/17/25 11:52	10/23/25 01:39	1
Dibenzofuran	ND		10.1	0.644	ug/L		10/17/25 11:52	10/23/25 01:39	1
Diethyl phthalate	ND		10.1	4.03	ug/L		10/17/25 11:52	10/23/25 01:39	1
Dimethyl phthalate	ND		10.1	4.03	ug/L		10/17/25 11:52	10/23/25 01:39	1
Di-n-butyl phthalate	ND		10.1	8.24	ug/L		10/17/25 11:52	10/23/25 01:39	1
Di-n-octyl phthalate	ND		10.1	4.03	ug/L		10/17/25 11:52	10/23/25 01:39	1
Fluoranthene	ND		10.1	0.634	ug/L		10/17/25 11:52	10/23/25 01:39	1
Fluorene	ND		10.1	0.674	ug/L		10/17/25 11:52	10/23/25 01:39	1
Hexachlorobenzene	ND		10.1	0.252	ug/L		10/17/25 11:52	10/23/25 01:39	1
Hexachlorobutadiene	ND		10.1	0.554	ug/L		10/17/25 11:52	10/23/25 01:39	1
Hexachlorocyclopentadiene	ND		20.1	0.322	ug/L		10/17/25 11:52	10/23/25 01:39	1
Hexachloroethane	ND		10.1	0.534	ug/L		10/17/25 11:52	10/23/25 01:39	1
Indeno[1,2,3-cd]pyrene	ND		10.1	1.11	ug/L		10/17/25 11:52	10/23/25 01:39	1
Isophorone	ND		10.1	0.805	ug/L		10/17/25 11:52	10/23/25 01:39	1
Naphthalene	ND		10.1	0.755	ug/L		10/17/25 11:52	10/23/25 01:39	1
Nitrobenzene	ND		10.1	0.604	ug/L		10/17/25 11:52	10/23/25 01:39	1
N-Nitrosodi-n-propylamine	ND		10.1	0.332	ug/L		10/17/25 11:52	10/23/25 01:39	1
N-Nitrosodiphenylamine	ND		10.1	0.191	ug/L		10/17/25 11:52	10/23/25 01:39	1
Pentachlorophenol	ND		10.1	2.82	ug/L		10/17/25 11:52	10/23/25 01:39	1
Phenanthrene	ND		10.1	0.745	ug/L		10/17/25 11:52	10/23/25 01:39	1
Phenol	ND		10.1	0.685	ug/L		10/17/25 11:52	10/23/25 01:39	1
Pyrene	ND		10.1	0.634	ug/L		10/17/25 11:52	10/23/25 01:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*88*		*10 - 150*	*10/17/25 11:52*	*10/23/25 01:39*	*1*
2-Fluorobiphenyl (Surr)	*82*		*25 - 139*	*10/17/25 11:52*	*10/23/25 01:39*	*1*
2-Fluorophenol (Surr)	*83*		*10 - 150*	*10/17/25 11:52*	*10/23/25 01:39*	*1*
Nitrobenzene-d5 (Surr)	*81*		*22 - 150*	*10/17/25 11:52*	*10/23/25 01:39*	*1*
Phenol-d5 (Surr)	*70*		*10 - 150*	*10/17/25 11:52*	*10/23/25 01:39*	*1*
Terphenyl-d14 (Surr)	*67*		*28 - 150*	*10/17/25 11:52*	*10/23/25 01:39*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**36.9**		1.00	0.390	mg/L			10/24/25 05:30	1

Client Sample ID: 101425-Dup SW

Lab Sample ID: 752-38113-10

Date Collected: 10/14/25 00:00
Matrix: Water
Date Received: 10/15/25 08:00

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		10/21/25 07:23	10/21/25 21:21	1
Arsenic	**2.74**	**J**	5.00	1.32	ug/L		10/21/25 07:23	10/21/25 21:21	1
Barium	**56.9**		10.0	0.410	ug/L		10/21/25 07:23	10/21/25 21:21	1
Beryllium	ND		1.00	0.147	ug/L		10/21/25 07:23	10/21/25 21:21	1
Cadmium	**122**		0.700	0.237	ug/L		10/21/25 07:23	10/21/25 21:21	1
Chromium	ND		5.00	3.69	ug/L		10/21/25 07:23	10/21/25 21:21	1
Cobalt	**61.1**		5.00	0.411	ug/L		10/21/25 07:23	10/21/25 21:21	1
Copper	**3.80**		2.00	0.642	ug/L		10/21/25 07:23	10/21/25 21:21	1
Lead	ND		1.00	0.864	ug/L		10/21/25 07:23	10/21/25 21:21	1
Manganese	**6140**		50.0	12.9	ug/L		10/21/25 07:23	10/24/25 16:35	10
Nickel	**889**		5.00	0.422	ug/L		10/21/25 07:23	10/21/25 21:21	1
Selenium	**9.18**		5.00	2.29	ug/L		10/21/25 07:23	10/21/25 21:21	1
Silver	**4.25**		1.00	0.167	ug/L		10/21/25 07:23	10/21/25 21:21	1
Thallium	ND		1.00	0.190	ug/L		10/21/25 07:23	10/21/25 21:21	1
Vanadium	**1.31**	**J B**	5.00	1.22	ug/L		10/21/25 07:23	10/21/25 21:21	1
Zinc	**1000**		10.0	8.91	ug/L		10/21/25 07:23	10/21/25 21:21	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		10/24/25 12:28	10/24/25 16:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	**0.0670**		0.0500	0.0460	mg/L			10/21/25 13:28	1
Nitrite as N (EPA 353.2)	ND		0.100	0.0168	mg/L			10/15/25 14:36	1
Nitrate as N (SM Nitrate by calc)	**0.0890**	**J**	0.100	0.0250	mg/L			10/21/25 09:23	1
Nitrate Nitrite as N (SM 4500 NO3 F)	**0.0890**		0.0500	0.0180	mg/L			10/17/25 17:38	1

Client Sample ID: Trip Blank

Lab Sample ID: 752-38113-11

Date Collected: 10/14/25 00:00
Matrix: Water
Date Received: 10/15/25 08:00

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			10/23/25 15:09	1
Benzene	ND		1.00	0.500	ug/L			10/23/25 15:09	1
Bromobenzene	ND		1.00	0.540	ug/L			10/23/25 15:09	1
Bromoform	ND		5.00	0.250	ug/L			10/23/25 15:09	1
Bromomethane	ND		1.00	0.980	ug/L			10/23/25 15:09	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			10/23/25 15:09	1
Carbon disulfide	ND		1.00	0.500	ug/L			10/23/25 15:09	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			10/23/25 15:09	1
Chlorobenzene	ND		1.00	0.420	ug/L			10/23/25 15:09	1
Chlorobromomethane	ND		1.00	0.520	ug/L			10/23/25 15:09	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			10/23/25 15:09	1
Chloroethane	ND		1.00	0.760	ug/L			10/23/25 15:09	1
Chloroform	ND		1.00	0.900	ug/L			10/23/25 15:09	1
Chloromethane	ND		1.00	0.400	ug/L			10/23/25 15:09	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			10/23/25 15:09	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			10/23/25 15:09	1

Client Sample ID: Trip Blank
Lab Sample ID: 752-38113-11
Date Collected: 10/14/25 00:00
Matrix: Water
Date Received: 10/15/25 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			10/23/25 15:09	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			10/23/25 15:09	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			10/23/25 15:09	1
Dibromomethane	ND		5.00	0.220	ug/L			10/23/25 15:09	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			10/23/25 15:09	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			10/23/25 15:09	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			10/23/25 15:09	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			10/23/25 15:09	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			10/23/25 15:09	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			10/23/25 15:09	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			10/23/25 15:09	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 15:09	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 15:09	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 15:09	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			10/23/25 15:09	1
Ethyl acetate	ND		10.0	6.14	ug/L			10/23/25 15:09	1
Ethylbenzene	ND		1.00	0.500	ug/L			10/23/25 15:09	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			10/23/25 15:09	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			10/23/25 15:09	1
Hexane	ND		1.00	0.960	ug/L			10/23/25 15:09	1
2-Hexanone	ND		25.0	4.26	ug/L			10/23/25 15:09	1
Iodomethane	ND		1.00	0.900	ug/L			10/23/25 15:09	1
Isopropylbenzene	ND		1.00	0.530	ug/L			10/23/25 15:09	1
Isopropyl ether	ND		1.00	0.740	ug/L			10/23/25 15:09	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			10/23/25 15:09	1
Methylene Chloride	ND		5.00	3.00	ug/L			10/23/25 15:09	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			10/23/25 15:09	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			10/23/25 15:09	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			10/23/25 15:09	1
Naphthalene	ND		5.00	3.00	ug/L			10/23/25 15:09	1
n-Butylbenzene	ND		1.00	0.760	ug/L			10/23/25 15:09	1
n-Heptane	ND		1.00	0.210	ug/L			10/23/25 15:09	1
N-Propylbenzene	ND		1.00	0.690	ug/L			10/23/25 15:09	1
o-Xylene	ND		5.00	3.00	ug/L			10/23/25 15:09	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			10/23/25 15:09	1
Styrene	ND		1.00	1.00	ug/L			10/23/25 15:09	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			10/23/25 15:09	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			10/23/25 15:09	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			10/23/25 15:09	1
Tetrachloroethene	ND		1.00	0.330	ug/L			10/23/25 15:09	1
Toluene	ND		1.00	0.900	ug/L			10/23/25 15:09	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			10/23/25 15:09	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			10/23/25 15:09	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			10/23/25 15:09	1
1,2,3-Trichlorobenzene	ND	*+	1.00	0.900	ug/L			10/23/25 15:09	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			10/23/25 15:09	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			10/23/25 15:09	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			10/23/25 15:09	1
Trichloroethene	ND		1.00	0.150	ug/L			10/23/25 15:09	1

Client: S&ME Inc
Job ID: 752-38113-1
Project/Site: East End Park, Durham, NC

Client Sample ID: Trip Blank
Lab Sample ID: 752-38113-11
Date Collected: 10/14/25 00:00
Matrix: Water
Date Received: 10/15/25 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		1.00	0.250	ug/L			10/23/25 15:09	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			10/23/25 15:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*+	1.00	0.500	ug/L			10/23/25 15:09	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			10/23/25 15:09	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			10/23/25 15:09	1
Vinyl acetate	ND		25.0	0.930	ug/L			10/23/25 15:09	1
Vinyl chloride	ND		1.00	0.500	ug/L			10/23/25 15:09	1
Xylenes, Total	ND		10.0	6.00	ug/L			10/23/25 15:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*56 - 136*		*10/23/25 15:09*	*1*
Dibromofluoromethane	*101*		*79 - 130*		*10/23/25 15:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*59 - 146*		*10/23/25 15:09*	*1*
Toluene-d8 (Surr)	*112*		*64 - 132*		*10/23/25 15:09*	*1*

Surrogate Summary

Client: S&ME Inc
Job ID: 752-38113-1
Project/Site: East End Park, Durham, NC

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(56-136)	(79-130)	(59-146)	(64-132)
752-38113-1	SW-1	92	102	109	112
752-38113-2	SW-2	92	103	108	112
752-38113-3	SW-3	92	103	110	112
752-38113-4	SW-4	92	102	109	112
752-38113-5	SW-5	94	99	113	114
752-38113-5	SW-5	108	106	110	96
752-38113-5 MS	SW-5	95	99	97	99
752-38113-5 MSD	SW-5	98	97	94	99
752-38113-6	SW-6	92	102	109	113
752-38113-6	SW-6	105	103	107	101
752-38113-7	SW-7	93	102	109	113
752-38113-7	SW-7	103	104	105	102
752-38113-8	SW-8	94	103	111	112
752-38113-8	SW-8	103	105	107	101
752-38113-9	SW-9	90	102	107	113
752-38113-9	SW-9	104	105	110	99
752-38113-10	101425-Dup SW	91	101	110	113
752-38113-11	Trip Blank	94	101	107	112
LCS 400-727815/1002	Lab Control Sample	89	100	100	109
LCS 400-728012/1003	Lab Control Sample	94	98	95	103
MB 400-727815/4	Method Blank	93	102	108	113
MB 400-728012/5	Method Blank	103	103	107	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**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(10-150)	(25-139)	(10-150)	(22-150)	(10-150)	(28-150)
752-38113-1	SW-1	91	82	83	79	70	74
752-38113-2	SW-2	92	81	90	81	77	67
752-38113-3	SW-3	95	81	92	80	79	72
752-38113-4	SW-4	93	83	97	84	87	68
752-38113-5	SW-5	98	83	80	84	64	67
752-38113-6	SW-6	96	79	84	80	72	61
752-38113-7	SW-7	94	80	95	85	84	65
752-38113-8	SW-8	91	80	86	77	79	65
752-38113-9	SW-9	91	81	96	84	89	66
752-38113-10	101425-Dup SW	88	82	83	81	70	67
LCS 400-727180/2-A	Lab Control Sample	90	74	107	82	109	95
LCSD 400-727180/3-A	Lab Control Sample Dup	91	72	99	77	100	88
MB 400-727180/1-A	Method Blank	82	76	99	81	92	92

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)

Surrogate Summary

Client: S&ME Inc
Job ID: 752-38113-1
Project/Site: East End Park, Durham, NC

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Isotope Dilution Summary

Client: S&ME Inc
Job ID: 752-38113-1
Project/Site: East End Park, Durham, NC

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)						
752-38113-1	SW-1	26						
752-38113-2	SW-2	29						
752-38113-3	SW-3	34						
752-38113-4	SW-4	29						
752-38113-5	SW-5	29						
752-38113-6	SW-6	27						
752-38113-7	SW-7	27						
752-38113-8	SW-8	30						
752-38113-9	SW-9	31						
752-38113-10	101425-Dup SW	31						
LCS 400-727262/2-A	Lab Control Sample	25						
LCS 400-727264/2-A	Lab Control Sample	25						
LCSD 400-727262/3-A	Lab Control Sample Dup	22						
LCSD 400-727264/3-A	Lab Control Sample Dup	27						
MB 400-727262/1-A	Method Blank	30						
MB 400-727264/1-A	Method Blank	15						

Surrogate Legend

DXE = 1,4-Dioxane-d8

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38113-1

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

Lab Sample ID: MB 400-727815/4
Matrix: Water
Analysis Batch: 727815

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			10/23/25 11:58	1
Benzene	ND		1.00	0.500	ug/L			10/23/25 11:58	1
Bromobenzene	ND		1.00	0.540	ug/L			10/23/25 11:58	1
Bromoform	ND		5.00	0.250	ug/L			10/23/25 11:58	1
Bromomethane	ND		1.00	0.980	ug/L			10/23/25 11:58	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			10/23/25 11:58	1
Carbon disulfide	ND		1.00	0.500	ug/L			10/23/25 11:58	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			10/23/25 11:58	1
Chlorobenzene	ND		1.00	0.420	ug/L			10/23/25 11:58	1
Chlorobromomethane	ND		1.00	0.520	ug/L			10/23/25 11:58	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			10/23/25 11:58	1
Chloroethane	ND		1.00	0.760	ug/L			10/23/25 11:58	1
Chloroform	ND		1.00	0.900	ug/L			10/23/25 11:58	1
Chloromethane	ND		1.00	0.400	ug/L			10/23/25 11:58	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			10/23/25 11:58	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			10/23/25 11:58	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			10/23/25 11:58	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			10/23/25 11:58	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			10/23/25 11:58	1
Dibromomethane	ND		5.00	0.220	ug/L			10/23/25 11:58	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			10/23/25 11:58	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			10/23/25 11:58	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			10/23/25 11:58	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			10/23/25 11:58	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			10/23/25 11:58	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			10/23/25 11:58	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			10/23/25 11:58	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 11:58	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 11:58	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 11:58	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			10/23/25 11:58	1
Ethyl acetate	ND		10.0	6.14	ug/L			10/23/25 11:58	1
Ethylbenzene	ND		1.00	0.500	ug/L			10/23/25 11:58	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			10/23/25 11:58	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			10/23/25 11:58	1
Hexane	ND		1.00	0.960	ug/L			10/23/25 11:58	1
2-Hexanone	ND		25.0	4.26	ug/L			10/23/25 11:58	1
Iodomethane	ND		1.00	0.900	ug/L			10/23/25 11:58	1
Isopropylbenzene	ND		1.00	0.530	ug/L			10/23/25 11:58	1
Isopropyl ether	ND		1.00	0.740	ug/L			10/23/25 11:58	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			10/23/25 11:58	1
Methylene Chloride	ND		5.00	3.00	ug/L			10/23/25 11:58	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			10/23/25 11:58	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			10/23/25 11:58	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			10/23/25 11:58	1
Naphthalene	ND		5.00	3.00	ug/L			10/23/25 11:58	1
n-Butylbenzene	ND		1.00	0.760	ug/L			10/23/25 11:58	1
n-Heptane	ND		1.00	0.210	ug/L			10/23/25 11:58	1

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

Lab Sample ID: MB 400-727815/4
Matrix: Water
Analysis Batch: 727815

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			10/23/25 11:58	1
o-Xylene	ND		5.00	3.00	ug/L			10/23/25 11:58	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			10/23/25 11:58	1
Styrene	ND		1.00	1.00	ug/L			10/23/25 11:58	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			10/23/25 11:58	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			10/23/25 11:58	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			10/23/25 11:58	1
Tetrachloroethene	ND		1.00	0.330	ug/L			10/23/25 11:58	1
Toluene	ND		1.00	0.900	ug/L			10/23/25 11:58	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			10/23/25 11:58	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			10/23/25 11:58	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			10/23/25 11:58	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			10/23/25 11:58	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			10/23/25 11:58	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			10/23/25 11:58	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			10/23/25 11:58	1
Trichloroethene	ND		1.00	0.150	ug/L			10/23/25 11:58	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			10/23/25 11:58	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			10/23/25 11:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			10/23/25 11:58	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			10/23/25 11:58	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			10/23/25 11:58	1
Vinyl acetate	ND		25.0	0.930	ug/L			10/23/25 11:58	1
Vinyl chloride	ND		1.00	0.500	ug/L			10/23/25 11:58	1
Xylenes, Total	ND		10.0	6.00	ug/L			10/23/25 11:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*56 - 136*		*10/23/25 11:58*	*1*
Dibromofluoromethane	*102*		*79 - 130*		*10/23/25 11:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*59 - 146*		*10/23/25 11:58*	*1*
Toluene-d8 (Surr)	*113*		*64 - 132*		*10/23/25 11:58*	*1*

Lab Sample ID: LCS 400-727815/1002
Matrix: Water
Analysis Batch: 727815

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	261.0		ug/L		130	43 - 150
Benzene	50.0	48.52		ug/L		97	70 - 130
Bromobenzene	50.0	48.43		ug/L		97	70 - 132
Bromoform	50.0	41.00		ug/L		82	57 - 140
Bromomethane	50.0	52.37		ug/L		105	10 - 150
2-Butanone (MEK)	200	174.9		ug/L		87	61 - 145
Carbon disulfide	50.0	40.27		ug/L		81	61 - 137
Carbon tetrachloride	50.0	52.17		ug/L		104	61 - 137
Chlorobenzene	50.0	50.63		ug/L		101	70 - 130
Chlorobromomethane	50.0	36.04		ug/L		72	70 - 130
Chlorodibromomethane	50.0	55.22		ug/L		110	67 - 135

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

Lab Sample ID: LCS 400-727815/1002
Matrix: Water
Analysis Batch: 727815

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	54.97		ug/L		110	55 - 141
Chloroform	50.0	43.29		ug/L		87	69 - 130
Chloromethane	50.0	54.37		ug/L		109	58 - 137
2-Chlorotoluene	50.0	46.31		ug/L		93	70 - 130
4-Chlorotoluene	50.0	48.42		ug/L		97	70 - 130
cis-1,2-Dichloroethene	50.0	52.28		ug/L		105	68 - 130
cis-1,3-Dichloropropene	50.0	45.10		ug/L		90	69 - 132
1,2-Dibromo-3-Chloropropane	50.0	43.17		ug/L		86	54 - 135
Dibromomethane	50.0	46.93		ug/L		94	70 - 130
1,2-Dichlorobenzene	50.0	56.56		ug/L		113	67 - 130
1,3-Dichlorobenzene	50.0	52.68		ug/L		105	70 - 130
1,4-Dichlorobenzene	50.0	52.65		ug/L		105	70 - 130
Dichlorobromomethane	50.0	47.58		ug/L		95	67 - 133
1,1-Dichloroethane	50.0	46.16		ug/L		92	70 - 130
1,2-Dichloroethane	50.0	49.52		ug/L		99	69 - 130
1,1-Dichloroethene	50.0	49.62		ug/L		99	63 - 134
1,2-Dichloropropane	50.0	50.10		ug/L		100	70 - 130
1,3-Dichloropropane	50.0	56.11		ug/L		112	70 - 130
2,2-Dichloropropane	50.0	42.01		ug/L		84	52 - 135
1,1-Dichloropropene	50.0	49.18		ug/L		98	70 - 130
Ethyl acetate	100	84.35		ug/L		84	34 - 150
Ethylbenzene	50.0	49.74		ug/L		99	70 - 130
Ethylene Dibromide	50.0	51.52		ug/L		103	70 - 130
Hexachlorobutadiene	50.0	65.92		ug/L		132	53 - 140
Hexane	50.0	49.42		ug/L		99	69 - 130
2-Hexanone	200	211.5		ug/L		106	65 - 137
Iodomethane	50.0	28.73		ug/L		57	27 - 150
Isopropylbenzene	50.0	46.38		ug/L		93	70 - 130
Isopropyl ether	50.0	55.01		ug/L		110	64 - 132
4-Isopropyltoluene	50.0	49.06		ug/L		98	65 - 130
Methylene Chloride	50.0	38.46		ug/L		77	66 - 135
4-Methyl-2-pentanone (MIBK)	200	165.3		ug/L		83	69 - 138
Methyl tert-butyl ether	50.0	57.34		ug/L		115	66 - 130
m-Xylene & p-Xylene	50.0	48.19		ug/L		96	70 - 130
Naphthalene	50.0	56.64		ug/L		113	47 - 149
n-Butylbenzene	50.0	51.79		ug/L		104	67 - 130
n-Heptane	50.0	41.53		ug/L		83	70 - 130
N-Propylbenzene	50.0	47.57		ug/L		95	70 - 130
o-Xylene	50.0	48.11		ug/L		96	70 - 130
sec-Butylbenzene	50.0	48.03		ug/L		96	66 - 130
Styrene	50.0	46.88		ug/L		94	70 - 130
tert-Butylbenzene	50.0	47.61		ug/L		95	64 - 139
1,1,1,2-Tetrachloroethane	50.0	52.51		ug/L		105	67 - 131
1,1,2,2-Tetrachloroethane	50.0	42.68		ug/L		85	70 - 131
Tetrachloroethene	50.0	53.83		ug/L		108	65 - 130
Toluene	50.0	56.18		ug/L		112	70 - 130
trans-1,4-Dichloro-2-butene	50.0	40.67		ug/L		81	57 - 140
trans-1,2-Dichloroethene	50.0	48.66		ug/L		97	70 - 130
trans-1,3-Dichloropropene	50.0	53.93		ug/L		108	63 - 130

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

Lab Sample ID: LCS 400-727815/1002
Matrix: Water
Analysis Batch: 727815

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	77.48	*+	ug/L		155	60 - 138
1,2,4-Trichlorobenzene	50.0	66.63		ug/L		133	60 - 140
1,1,1-Trichloroethane	50.0	51.04		ug/L		102	68 - 130
1,1,2-Trichloroethane	50.0	57.07		ug/L		114	70 - 130
Trichloroethene	50.0	51.94		ug/L		104	70 - 130
Trichlorofluoromethane	50.0	42.44		ug/L		85	65 - 138
1,2,3-Trichloropropane	50.0	44.90		ug/L		90	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	74.79	*+	ug/L		150	60 - 139
1,2,4-Trimethylbenzene	50.0	50.88		ug/L		102	70 - 130
1,3,5-Trimethylbenzene	50.0	48.32		ug/L		97	69 - 130
Vinyl acetate	100	101.8		ug/L		102	26 - 150
Vinyl chloride	50.0	43.11		ug/L		86	59 - 136
Xylenes, Total	100	96.30		ug/L		96	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*89*		*56 - 136*
Dibromofluoromethane	*100*		*79 - 130*
1,2-Dichloroethane-d4 (Surr)	*100*		*59 - 146*
Toluene-d8 (Surr)	*109*		*64 - 132*

Lab Sample ID: MB 400-728012/5
Matrix: Water
Analysis Batch: 728012

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			10/24/25 11:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*56 - 136*		*10/24/25 11:08*	*1*
Dibromofluoromethane	*103*		*79 - 130*		*10/24/25 11:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*59 - 146*		*10/24/25 11:08*	*1*
Toluene-d8 (Surr)	*103*		*64 - 132*		*10/24/25 11:08*	*1*

Lab Sample ID: LCS 400-728012/1003
Matrix: Water
Analysis Batch: 728012

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	51.84		ug/L		104	60 - 139

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*94*		*56 - 136*
Dibromofluoromethane	*98*		*79 - 130*
1,2-Dichloroethane-d4 (Surr)	*95*		*59 - 146*
Toluene-d8 (Surr)	*103*		*64 - 132*

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

Lab Sample ID: 752-38113-5 MS
Matrix: Water
Analysis Batch: 728012

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-Trichloro-1,2,2-trifluoroethane	1.19		50.0	51.64		ug/L		101	55 - 150		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*95*		*56 - 136*
Dibromofluoromethane	*99*		*79 - 130*
1,2-Dichloroethane-d4 (Surr)	*97*		*59 - 146*
Toluene-d8 (Surr)	*99*		*64 - 132*

Lab Sample ID: 752-38113-5 MSD
Matrix: Water
Analysis Batch: 728012

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
1,1,2-Trichloro-1,2,2-trifluoroethane	1.19		50.0	48.96		ug/L		96	55 - 150	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*56 - 136*
Dibromofluoromethane	*97*		*79 - 130*
1,2-Dichloroethane-d4 (Surr)	*94*		*59 - 146*
Toluene-d8 (Surr)	*99*		*64 - 132*

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

Lab Sample ID: MB 400-727180/1-A
Matrix: Water
Analysis Batch: 727654

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727180

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		10.0	0.420	ug/L		10/17/25 11:51	10/22/25 16:07	1
2,4,5-Trichlorophenol	ND		10.0	0.540	ug/L		10/17/25 11:51	10/22/25 16:07	1
2,4,6-Trichlorophenol	ND		10.0	1.09	ug/L		10/17/25 11:51	10/22/25 16:07	1
2,4-Dichlorophenol	ND		10.0	0.570	ug/L		10/17/25 11:51	10/22/25 16:07	1
2,4-Dimethylphenol	ND		10.0	0.240	ug/L		10/17/25 11:51	10/22/25 16:07	1
2,4-Dinitrophenol	ND		30.0	4.68	ug/L		10/17/25 11:51	10/22/25 16:07	1
2,4-Dinitrotoluene	ND		10.0	0.650	ug/L		10/17/25 11:51	10/22/25 16:07	1
2,6-Dinitrotoluene	ND		10.0	0.290	ug/L		10/17/25 11:51	10/22/25 16:07	1
2-Chloronaphthalene	ND		10.0	0.380	ug/L		10/17/25 11:51	10/22/25 16:07	1
2-Chlorophenol	ND		10.0	0.840	ug/L		10/17/25 11:51	10/22/25 16:07	1
2-Methylnaphthalene	ND		10.0	0.810	ug/L		10/17/25 11:51	10/22/25 16:07	1
2-Methylphenol	ND		10.0	0.760	ug/L		10/17/25 11:51	10/22/25 16:07	1
2-Nitroaniline	ND		10.0	1.37	ug/L		10/17/25 11:51	10/22/25 16:07	1
2-Nitrophenol	ND		10.0	1.17	ug/L		10/17/25 11:51	10/22/25 16:07	1
3 & 4 Methylphenol	ND		20.0	4.60	ug/L		10/17/25 11:51	10/22/25 16:07	1
3,3'-Dichlorobenzidine	ND		11.0	0.410	ug/L		10/17/25 11:51	10/22/25 16:07	1
3-Nitroaniline	ND		10.0	0.950	ug/L		10/17/25 11:51	10/22/25 16:07	1
4,6-Dinitro-2-methylphenol	ND		10.0	1.97	ug/L		10/17/25 11:51	10/22/25 16:07	1
4-Bromophenyl phenyl ether	ND		10.0	0.130	ug/L		10/17/25 11:51	10/22/25 16:07	1

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

Lab Sample ID: MB 400-727180/1-A
Matrix: Water
Analysis Batch: 727654

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727180

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloro-3-methylphenol	ND		10.0	0.730	ug/L		10/17/25 11:51	10/22/25 16:07	1
4-Chloroaniline	ND		10.0	0.580	ug/L		10/17/25 11:51	10/22/25 16:07	1
4-Chlorophenyl phenyl ether	ND		10.0	0.240	ug/L		10/17/25 11:51	10/22/25 16:07	1
4-Nitroaniline	ND		10.0	3.50	ug/L		10/17/25 11:51	10/22/25 16:07	1
4-Nitrophenol	ND		10.0	2.74	ug/L		10/17/25 11:51	10/22/25 16:07	1
Acenaphthene	ND		10.0	0.630	ug/L		10/17/25 11:51	10/22/25 16:07	1
Acenaphthylene	ND		10.0	0.760	ug/L		10/17/25 11:51	10/22/25 16:07	1
Acetophenone	ND		10.0	3.20	ug/L		10/17/25 11:51	10/22/25 16:07	1
Anthracene	ND		10.0	0.910	ug/L		10/17/25 11:51	10/22/25 16:07	1
Atrazine	ND		10.0	1.13	ug/L		10/17/25 11:51	10/22/25 16:07	1
Benzaldehyde	ND		10.0	0.670	ug/L		10/17/25 11:51	10/22/25 16:07	1
Benzo[a]anthracene	ND		10.0	1.00	ug/L		10/17/25 11:51	10/22/25 16:07	1
Benzo[a]pyrene	ND		10.0	1.10	ug/L		10/17/25 11:51	10/22/25 16:07	1
Benzo[b]fluoranthene	ND		10.0	1.20	ug/L		10/17/25 11:51	10/22/25 16:07	1
Benzo[g,h,i]perylene	ND		10.0	1.50	ug/L		10/17/25 11:51	10/22/25 16:07	1
Benzo[k]fluoranthene	ND		10.0	1.50	ug/L		10/17/25 11:51	10/22/25 16:07	1
bis (2-chloroisopropyl) ether	ND		10.0	0.930	ug/L		10/17/25 11:51	10/22/25 16:07	1
Bis(2-chloroethoxy)methane	ND		10.0	0.340	ug/L		10/17/25 11:51	10/22/25 16:07	1
Bis(2-chloroethyl)ether	ND		10.0	0.730	ug/L		10/17/25 11:51	10/22/25 16:07	1
Bis(2-ethylhexyl) phthalate	7.269	J	10.0	4.00	ug/L		10/17/25 11:51	10/22/25 16:07	1
Butyl benzyl phthalate	ND		10.0	4.00	ug/L		10/17/25 11:51	10/22/25 16:07	1
Caprolactam	ND		10.0	2.40	ug/L		10/17/25 11:51	10/22/25 16:07	1
Carbazole	ND		10.0	0.320	ug/L		10/17/25 11:51	10/22/25 16:07	1
Chrysene	ND		10.0	1.20	ug/L		10/17/25 11:51	10/22/25 16:07	1
Dibenz(a,h)anthracene	ND		10.0	1.30	ug/L		10/17/25 11:51	10/22/25 16:07	1
Dibenzofuran	ND		10.0	0.640	ug/L		10/17/25 11:51	10/22/25 16:07	1
Diethyl phthalate	ND		10.0	4.00	ug/L		10/17/25 11:51	10/22/25 16:07	1
Dimethyl phthalate	ND		10.0	4.00	ug/L		10/17/25 11:51	10/22/25 16:07	1
Di-n-butyl phthalate	ND		10.0	8.19	ug/L		10/17/25 11:51	10/22/25 16:07	1
Di-n-octyl phthalate	ND		10.0	4.00	ug/L		10/17/25 11:51	10/22/25 16:07	1
Fluoranthene	ND		10.0	0.630	ug/L		10/17/25 11:51	10/22/25 16:07	1
Fluorene	ND		10.0	0.670	ug/L		10/17/25 11:51	10/22/25 16:07	1
Hexachlorobenzene	ND		10.0	0.250	ug/L		10/17/25 11:51	10/22/25 16:07	1
Hexachlorobutadiene	ND		10.0	0.550	ug/L		10/17/25 11:51	10/22/25 16:07	1
Hexachlorocyclopentadiene	ND		20.0	0.320	ug/L		10/17/25 11:51	10/22/25 16:07	1
Hexachloroethane	ND		10.0	0.530	ug/L		10/17/25 11:51	10/22/25 16:07	1
Indeno[1,2,3-cd]pyrene	ND		10.0	1.10	ug/L		10/17/25 11:51	10/22/25 16:07	1
Isophorone	ND		10.0	0.800	ug/L		10/17/25 11:51	10/22/25 16:07	1
Naphthalene	ND		10.0	0.750	ug/L		10/17/25 11:51	10/22/25 16:07	1
Nitrobenzene	ND		10.0	0.600	ug/L		10/17/25 11:51	10/22/25 16:07	1
N-Nitrosodi-n-propylamine	ND		10.0	0.330	ug/L		10/17/25 11:51	10/22/25 16:07	1
N-Nitrosodiphenylamine	ND		10.0	0.190	ug/L		10/17/25 11:51	10/22/25 16:07	1
Pentachlorophenol	ND		10.0	2.80	ug/L		10/17/25 11:51	10/22/25 16:07	1
Phenanthrene	ND		10.0	0.740	ug/L		10/17/25 11:51	10/22/25 16:07	1
Phenol	ND		10.0	0.680	ug/L		10/17/25 11:51	10/22/25 16:07	1
Pyrene	ND		10.0	0.630	ug/L		10/17/25 11:51	10/22/25 16:07	1

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

Lab Sample ID: MB 400-727180/1-A
Matrix: Water
Analysis Batch: 727654

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727180

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	82		10 - 150	10/17/25 11:51	10/22/25 16:07	1
2-Fluorobiphenyl (Surr)	76		25 - 139	10/17/25 11:51	10/22/25 16:07	1
2-Fluorophenol (Surr)	99		10 - 150	10/17/25 11:51	10/22/25 16:07	1
Nitrobenzene-d5 (Surr)	81		22 - 150	10/17/25 11:51	10/22/25 16:07	1
Phenol-d5 (Surr)	92		10 - 150	10/17/25 11:51	10/22/25 16:07	1
Terphenyl-d14 (Surr)	92		28 - 150	10/17/25 11:51	10/22/25 16:07	1

Lab Sample ID: LCS 400-727180/2-A
Matrix: Water
Analysis Batch: 727654

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727180

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	33.3	23.52		ug/L		71	27 - 120
2,4,5-Trichlorophenol	33.3	26.40		ug/L		79	27 - 136
2,4,6-Trichlorophenol	33.3	26.38		ug/L		79	21 - 132
2,4-Dichlorophenol	33.3	31.88		ug/L		96	30 - 125
2,4-Dimethylphenol	33.3	31.31		ug/L		94	10 - 142
2,4-Dinitrophenol	66.7	47.69		ug/L		72	10 - 150
2,4-Dinitrotoluene	33.3	31.52		ug/L		95	30 - 129
2,6-Dinitrotoluene	33.3	31.47		ug/L		94	34 - 132
2-Chloronaphthalene	33.3	22.97		ug/L		69	10 - 150
2-Chlorophenol	33.3	32.77		ug/L		98	28 - 127
2-Methylnaphthalene	33.3	25.65		ug/L		77	24 - 150
2-Methylphenol	33.3	32.45		ug/L		97	11 - 121
2-Nitroaniline	33.3	30.77		ug/L		92	31 - 141
2-Nitrophenol	33.3	32.36		ug/L		97	31 - 142
3 & 4 Methylphenol	33.3	32.50		ug/L		98	10 - 150
3,3'-Dichlorobenzidine	66.7	46.23		ug/L		69	10 - 150
3-Nitroaniline	33.3	30.47		ug/L		91	33 - 136
4,6-Dinitro-2-methylphenol	66.7	57.20		ug/L		86	10 - 150
4-Bromophenyl phenyl ether	33.3	28.22		ug/L		85	24 - 120
4-Chloro-3-methylphenol	33.3	33.93		ug/L		102	10 - 137
4-Chloroaniline	33.3	36.69		ug/L		110	10 - 150
4-Chlorophenyl phenyl ether	33.3	23.71		ug/L		71	31 - 110
4-Nitroaniline	33.3	26.82		ug/L		80	37 - 139
4-Nitrophenol	66.7	71.29		ug/L		107	10 - 150
Acenaphthene	33.3	24.57		ug/L		74	29 - 150
Acenaphthylene	33.3	25.18		ug/L		76	30 - 150
Acetophenone	33.3	27.35		ug/L		82	27 - 119
Anthracene	33.3	29.33		ug/L		88	31 - 150
Atrazine	33.3	32.57		ug/L		98	10 - 150
Benzaldehyde	33.3	25.46		ug/L		76	10 - 150
Benzo[a]anthracene	33.3	31.38		ug/L		94	36 - 150
Benzo[a]pyrene	33.3	31.72		ug/L		95	29 - 150
Benzo[b]fluoranthene	33.3	32.20		ug/L		97	32 - 150
Benzo[g,h,i]perylene	33.3	31.20		ug/L		94	28 - 150
Benzo[k]fluoranthene	33.3	30.13		ug/L		90	30 - 150
bis (2-chloroisopropyl) ether	33.3	29.01		ug/L		87	32 - 115

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

Lab Sample ID: LCS 400-727180/2-A
Matrix: Water
Analysis Batch: 727654

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727180

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bis(2-chloroethoxy)methane	33.3	31.19		ug/L		94	34 - 120
Bis(2-chloroethyl)ether	33.3	28.95		ug/L		87	32 - 114
Bis(2-ethylhexyl) phthalate	33.3	35.35		ug/L		106	24 - 133
Butyl benzyl phthalate	33.3	24.19		ug/L		73	24 - 140
Caprolactam	33.3	90.67	E *+	ug/L		272	10 - 150
Carbazole	33.3	33.46		ug/L		100	28 - 123
Chrysene	33.3	29.91		ug/L		90	34 - 150
Dibenz(a,h)anthracene	33.3	29.85		ug/L		90	29 - 150
Dibenzofuran	33.3	26.06		ug/L		78	35 - 110
Diethyl phthalate	33.3	21.16		ug/L		63	31 - 118
Dimethyl phthalate	33.3	20.98		ug/L		63	24 - 125
Di-n-butyl phthalate	33.3	27.97		ug/L		84	30 - 127
Di-n-octyl phthalate	33.3	30.73		ug/L		92	28 - 142
Fluoranthene	33.3	30.48		ug/L		91	30 - 150
Fluorene	33.3	25.80		ug/L		77	30 - 150
Hexachlorobenzene	33.3	28.12		ug/L		84	29 - 113
Hexachlorobutadiene	33.3	18.41		ug/L		55	10 - 117
Hexachlorocyclopentadiene	33.3	15.43	J	ug/L		46	10 - 150
Hexachloroethane	33.3	19.23		ug/L		58	10 - 112
Indeno[1,2,3-cd]pyrene	33.3	28.31		ug/L		85	28 - 150
Isophorone	33.3	29.03		ug/L		87	29 - 125
Naphthalene	33.3	27.92		ug/L		84	27 - 150
Nitrobenzene	33.3	29.06		ug/L		87	29 - 129
N-Nitrosodi-n-propylamine	33.3	31.02		ug/L		93	50 - 134
N-Nitrosodiphenylamine	33.1	29.94		ug/L		91	50 - 132
Pentachlorophenol	66.7	44.25		ug/L		66	14 - 150
Phenanthrene	33.3	28.60		ug/L		86	32 - 150
Phenol	33.3	40.48		ug/L		121	10 - 150
Pyrene	33.3	32.38		ug/L		97	30 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*90*		*10 - 150*
2-Fluorobiphenyl (Surr)	*74*		*25 - 139*
2-Fluorophenol (Surr)	*107*		*10 - 150*
Nitrobenzene-d5 (Surr)	*82*		*22 - 150*
Phenol-d5 (Surr)	*109*		*10 - 150*
Terphenyl-d14 (Surr)	*95*		*28 - 150*

Lab Sample ID: LCSD 400-727180/3-A
Matrix: Water
Analysis Batch: 727654

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 727180

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl	33.3	23.34		ug/L		70	27 - 120	1	40
2,4,5-Trichlorophenol	33.3	25.85		ug/L		78	27 - 136	2	40
2,4,6-Trichlorophenol	33.3	25.39		ug/L		76	21 - 132	4	40
2,4-Dichlorophenol	33.3	31.30		ug/L		94	30 - 125	2	40
2,4-Dimethylphenol	33.3	31.32		ug/L		94	10 - 142	0	40

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

Lab Sample ID: LCSD 400-727180/3-A
Matrix: Water
Analysis Batch: 727654

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 727180

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-Dinitrophenol	66.7	46.93		ug/L		70	10 - 150	2	40
2,4-Dinitrotoluene	33.3	30.23		ug/L		91	30 - 129	4	40
2,6-Dinitrotoluene	33.3	31.16		ug/L		93	34 - 132	1	40
2-Chloronaphthalene	33.3	23.09		ug/L		69	10 - 150	1	40
2-Chlorophenol	33.3	30.42		ug/L		91	28 - 127	7	40
2-Methylnaphthalene	33.3	25.13		ug/L		75	24 - 150	2	40
2-Methylphenol	33.3	31.00		ug/L		93	11 - 121	5	40
2-Nitroaniline	33.3	30.00		ug/L		90	31 - 141	3	40
2-Nitrophenol	33.3	31.82		ug/L		95	31 - 142	2	40
3 & 4 Methylphenol	33.3	29.92		ug/L		90	10 - 150	8	40
3,3'-Dichlorobenzidine	66.7	44.16		ug/L		66	10 - 150	5	40
3-Nitroaniline	33.3	29.49		ug/L		88	33 - 136	3	40
4,6-Dinitro-2-methylphenol	66.7	56.05		ug/L		84	10 - 150	2	40
4-Bromophenyl phenyl ether	33.3	28.22		ug/L		85	24 - 120	0	40
4-Chloro-3-methylphenol	33.3	32.25		ug/L		97	10 - 137	5	40
4-Chloroaniline	33.3	35.51		ug/L		107	10 - 150	3	40
4-Chlorophenyl phenyl ether	33.3	23.28		ug/L		70	31 - 110	2	40
4-Nitroaniline	33.3	26.49		ug/L		79	37 - 139	1	40
4-Nitrophenol	66.7	69.31		ug/L		104	10 - 150	3	40
Acenaphthene	33.3	24.19		ug/L		73	29 - 150	2	40
Acenaphthylene	33.3	24.96		ug/L		75	30 - 150	1	40
Acetophenone	33.3	25.36		ug/L		76	27 - 119	8	40
Anthracene	33.3	29.24		ug/L		88	31 - 150	0	40
Atrazine	33.3	34.72		ug/L		104	10 - 150	6	40
Benzaldehyde	33.3	25.50		ug/L		76	10 - 150	0	40
Benzo[a]anthracene	33.3	29.48		ug/L		88	36 - 150	6	40
Benzo[a]pyrene	33.3	31.35		ug/L		94	29 - 150	1	40
Benzo[b]fluoranthene	33.3	31.52		ug/L		95	32 - 150	2	40
Benzo[g,h,i]perylene	33.3	30.84		ug/L		93	28 - 150	1	40
Benzo[k]fluoranthene	33.3	30.35		ug/L		91	30 - 150	1	40
bis (2-chloroisopropyl) ether	33.3	27.78		ug/L		83	32 - 115	4	40
Bis(2-chloroethoxy)methane	33.3	30.27		ug/L		91	34 - 120	3	40
Bis(2-chloroethyl)ether	33.3	27.01		ug/L		81	32 - 114	7	40
Bis(2-ethylhexyl) phthalate	33.3	33.87		ug/L		102	24 - 133	4	40
Butyl benzyl phthalate	33.3	23.56		ug/L		71	24 - 140	3	40
Caprolactam	33.3	89.34	*+ E	ug/L		268	10 - 150	1	40
Carbazole	33.3	32.77		ug/L		98	28 - 123	2	40
Chrysene	33.3	28.70		ug/L		86	34 - 150	4	40
Dibenz(a,h)anthracene	33.3	29.47		ug/L		88	29 - 150	1	40
Dibenzofuran	33.3	25.53		ug/L		77	35 - 110	2	40
Diethyl phthalate	33.3	22.73		ug/L		68	31 - 118	7	40
Dimethyl phthalate	33.3	22.16		ug/L		66	24 - 125	5	40
Di-n-butyl phthalate	33.3	28.71		ug/L		86	30 - 127	3	40
Di-n-octyl phthalate	33.3	28.74		ug/L		86	28 - 142	7	40
Fluoranthene	33.3	30.35		ug/L		91	30 - 150	0	40
Fluorene	33.3	25.43		ug/L		76	30 - 150	1	40
Hexachlorobenzene	33.3	28.07		ug/L		84	29 - 113	0	40
Hexachlorobutadiene	33.3	19.08		ug/L		57	10 - 117	4	40
Hexachlorocyclopentadiene	33.3	16.92	J	ug/L		51	10 - 150	9	40

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

Lab Sample ID: LCSD 400-727180/3-A
Matrix: Water
Analysis Batch: 727654

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 727180

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Hexachloroethane			33.3	19.09		ug/L		57	10 - 112	1	40
Indeno[1,2,3-cd]pyrene			33.3	27.50		ug/L		83	28 - 150	3	40
Isophorone			33.3	26.56		ug/L		80	29 - 125	9	40
Naphthalene			33.3	27.27		ug/L		82	27 - 150	2	40
Nitrobenzene			33.3	27.12		ug/L		81	29 - 129	7	40
N-Nitrosodi-n-propylamine			33.3	29.62		ug/L		89	50 - 134	5	40
N-Nitrosodiphenylamine			33.1	29.04		ug/L		88	50 - 132	3	40
Pentachlorophenol			66.7	44.83		ug/L		67	14 - 150	1	40
Phenanthrene			33.3	28.61		ug/L		86	32 - 150	0	40
Phenol			33.3	36.11		ug/L		108	10 - 150	11	40
Pyrene			33.3	32.40		ug/L		97	30 - 150	0	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*91*		*10 - 150*
2-Fluorobiphenyl (Surr)	*72*		*25 - 139*
2-Fluorophenol (Surr)	*99*		*10 - 150*
Nitrobenzene-d5 (Surr)	*77*		*22 - 150*
Phenol-d5 (Surr)	*100*		*10 - 150*
Terphenyl-d14 (Surr)	*88*		*28 - 150*

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

Lab Sample ID: MB 400-727262/1-A
Matrix: Water
Analysis Batch: 727433

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727262

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.300	0.300	ug/L		10/17/25 16:48	10/20/25 13:52	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*30*		*10 - 140*	*10/17/25 16:48*	*10/20/25 13:52*	*1*

Lab Sample ID: LCS 400-727262/2-A
Matrix: Water
Analysis Batch: 727433

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727262

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane			16.0	18.03		ug/L		113	30 - 150

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Dioxane-d8	*25*		*10 - 140*

Lab Sample ID: LCSD 400-727262/3-A
Matrix: Water
Analysis Batch: 727433

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 727262

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane			16.0	18.60		ug/L		116	30 - 150	3	40

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

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
1,4-Dioxane-d8	22		10 - 140

Lab Sample ID: MB 400-727264/1-A
Matrix: Water
Analysis Batch: 727576

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727264

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.300	0.300	ug/L		10/17/25 16:54	10/21/25 14:27	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	15		10 - 140	10/17/25 16:54	10/21/25 14:27	1

Lab Sample ID: LCS 400-727264/2-A
Matrix: Water
Analysis Batch: 727576

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727264

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane			16.0	18.09		ug/L		113	30 - 150		

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
1,4-Dioxane-d8	25		10 - 140

Lab Sample ID: LCSD 400-727264/3-A
Matrix: Water
Analysis Batch: 727576

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 727264

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane			16.0	18.59		ug/L		116	30 - 150	3	40

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
1,4-Dioxane-d8	27		10 - 140

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 400-727921/54
Matrix: Water
Analysis Batch: 727921

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			10/24/25 01:57	1

Lab Sample ID: LCS 400-727921/55
Matrix: Water
Analysis Batch: 727921

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	9.638		mg/L		96	90 - 110		

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

Lab Sample ID: LCSD 400-727921/56
Matrix: Water
Analysis Batch: 727921

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	9.819		mg/L		98	90 - 110	2	15

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 705-89704/1-A
Matrix: Water
Analysis Batch: 90061

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 89704

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	2.45	ug/L		10/21/25 07:23	10/21/25 20:30	1
Arsenic	ND		5.00	1.32	ug/L		10/21/25 07:23	10/21/25 20:30	1
Barium	ND		10.0	0.410	ug/L		10/21/25 07:23	10/21/25 20:30	1
Beryllium	ND		1.00	0.147	ug/L		10/21/25 07:23	10/21/25 20:30	1
Cadmium	ND		0.700	0.237	ug/L		10/21/25 07:23	10/21/25 20:30	1
Chromium	ND		5.00	3.69	ug/L		10/21/25 07:23	10/21/25 20:30	1
Cobalt	ND		5.00	0.411	ug/L		10/21/25 07:23	10/21/25 20:30	1
Copper	ND		2.00	0.642	ug/L		10/21/25 07:23	10/21/25 20:30	1
Lead	ND		1.00	0.864	ug/L		10/21/25 07:23	10/21/25 20:30	1
Manganese	ND		5.00	1.29	ug/L		10/21/25 07:23	10/21/25 20:30	1
Nickel	ND		5.00	0.422	ug/L		10/21/25 07:23	10/21/25 20:30	1
Selenium	ND		5.00	2.29	ug/L		10/21/25 07:23	10/21/25 20:30	1
Silver	ND		1.00	0.167	ug/L		10/21/25 07:23	10/21/25 20:30	1
Thallium	ND		1.00	0.190	ug/L		10/21/25 07:23	10/21/25 20:30	1
Vanadium	1.262	J	5.00	1.22	ug/L		10/21/25 07:23	10/21/25 20:30	1
Zinc	ND		10.0	8.91	ug/L		10/21/25 07:23	10/21/25 20:30	1

Lab Sample ID: LCS 705-89704/2-A
Matrix: Water
Analysis Batch: 90061

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 89704

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	100	99.78		ug/L		100	80 - 120
Arsenic	100	89.24		ug/L		89	80 - 120
Barium	100	96.05		ug/L		96	80 - 120
Beryllium	100	99.57		ug/L		100	80 - 120
Cadmium	100	91.48		ug/L		91	80 - 120
Chromium	100	116.3		ug/L		116	80 - 120
Cobalt	100	91.15		ug/L		91	80 - 120
Copper	100	93.65		ug/L		94	80 - 120
Lead	100	110.9		ug/L		111	80 - 120
Manganese	100	113.4		ug/L		113	80 - 120
Nickel	100	91.66		ug/L		92	80 - 120
Selenium	100	91.06		ug/L		91	80 - 120
Silver	10.0	10.68		ug/L		107	80 - 120
Thallium	100	108.4		ug/L		108	80 - 120
Vanadium	100	115.6		ug/L		116	80 - 120
Zinc	100	93.10		ug/L		93	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 705-90286/1-A
Matrix: Water
Analysis Batch: 90577

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 90286

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.166	ug/L		10/23/25 08:45	10/23/25 18:37	1

Lab Sample ID: LCS 705-90286/2-A
Matrix: Water
Analysis Batch: 90577

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 90286

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	4.00	4.000		ug/L		100	80 - 120

Lab Sample ID: MB 705-90609/1-A
Matrix: Water
Analysis Batch: 90803

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 90609

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.166	ug/L		10/24/25 12:28	10/24/25 15:45	1

Lab Sample ID: LCS 705-90609/2-A
Matrix: Water
Analysis Batch: 90803

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 90609

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	4.00	3.912		ug/L		98	80 - 120

Lab Sample ID: 752-38113-9 MS
Matrix: Water
Analysis Batch: 90803

Client Sample ID: SW-9
Prep Type: Total/NA
Prep Batch: 90609

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND	F2	4.00	3.593		ug/L		90	75 - 125

Lab Sample ID: 752-38113-9 MSD
Matrix: Water
Analysis Batch: 90803

Client Sample ID: SW-9
Prep Type: Total/NA
Prep Batch: 90609

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND	F2	4.00	5.014	F2	ug/L		125	75 - 125	33	20

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 400-727599/61
Matrix: Water
Analysis Batch: 727599

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			10/21/25 12:24	1

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: LCS 400-727599/62
Matrix: Water
Analysis Batch: 727599

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	3.068		mg/L		103	90 - 110

Lab Sample ID: MRL 400-727599/19
Matrix: Water
Analysis Batch: 727599

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	0.06000		mg/L		120	50 - 150

Method: 353.2 - Nitrogen, Nitrite

Lab Sample ID: MB 752-13859/10
Matrix: Water
Analysis Batch: 13859

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			10/15/25 14:14	1

Lab Sample ID: MB 752-13859/44
Matrix: Water
Analysis Batch: 13859

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			10/15/25 18:08	1

Lab Sample ID: LCS 752-13859/13
Matrix: Water
Analysis Batch: 13859

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	0.9702		mg/L		97	90 - 110

Lab Sample ID: LCS 752-13859/47
Matrix: Water
Analysis Batch: 13859

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	0.9670		mg/L		97	90 - 110

Lab Sample ID: LCSD 752-13859/43
Matrix: Water
Analysis Batch: 13859

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	0.9656		mg/L		97	90 - 110	0	10

Method: 353.2 - Nitrogen, Nitrite (Continued)

Lab Sample ID: LCSD 752-13859/57
Matrix: Water
Analysis Batch: 13859

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	0.9714		mg/L		97	90 - 110	0	10

Lab Sample ID: 752-38113-8 MS
Matrix: Water
Analysis Batch: 13859

Client Sample ID: SW-8
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrite as N	ND		1.00	0.9613		mg/L		96	90 - 110

Lab Sample ID: 752-38113-8 MSD
Matrix: Water
Analysis Batch: 13859

Client Sample ID: SW-8
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrite as N	ND		1.00	0.9461		mg/L		95	90 - 110	2	10

Method: SM 4500 NO3 F - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 400-727277/74
Matrix: Water
Analysis Batch: 727277

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		0.0500	0.0180	mg/L			10/17/25 17:15	1

Lab Sample ID: LCS 400-727277/75
Matrix: Water
Analysis Batch: 727277

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			1.00	1.056		mg/L		105	90 - 110

Lab Sample ID: MRL 400-727277/23
Matrix: Water
Analysis Batch: 727277

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N			0.0500	0.05600		mg/L		112	50 - 150

Lab Sample ID: 752-38113-1 MS
Matrix: Water
Analysis Batch: 727277

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	0.0910		0.999	1.020		mg/L		93	90 - 110

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38113-1

Method: SM 4500 NO3 F - Nitrogen, Nitrate-Nitrite (Continued)

Lab Sample ID: 752-38113-1 MSD
Matrix: Water
Analysis Batch: 727277

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	0.0910		0.999	1.003		mg/L		91	90 - 110	2	10

GC/MS VOA

Analysis Batch: 727815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38113-1	SW-1	Total/NA	Water	8260D	
752-38113-2	SW-2	Total/NA	Water	8260D	
752-38113-3	SW-3	Total/NA	Water	8260D	
752-38113-4	SW-4	Total/NA	Water	8260D	
752-38113-5	SW-5	Total/NA	Water	8260D	
752-38113-6	SW-6	Total/NA	Water	8260D	
752-38113-7	SW-7	Total/NA	Water	8260D	
752-38113-8	SW-8	Total/NA	Water	8260D	
752-38113-9	SW-9	Total/NA	Water	8260D	
752-38113-10	101425-Dup SW	Total/NA	Water	8260D	
752-38113-11	Trip Blank	Total/NA	Water	8260D	
MB 400-727815/4	Method Blank	Total/NA	Water	8260D	
LCS 400-727815/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 728012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38113-5	SW-5	Total/NA	Water	8260D	
752-38113-6	SW-6	Total/NA	Water	8260D	
752-38113-7	SW-7	Total/NA	Water	8260D	
752-38113-8	SW-8	Total/NA	Water	8260D	
752-38113-9	SW-9	Total/NA	Water	8260D	
MB 400-728012/5	Method Blank	Total/NA	Water	8260D	
LCS 400-728012/1003	Lab Control Sample	Total/NA	Water	8260D	
752-38113-5 MS	SW-5	Total/NA	Water	8260D	
752-38113-5 MSD	SW-5	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 727180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38113-1	SW-1	Total/NA	Water	3511	
752-38113-2	SW-2	Total/NA	Water	3511	
752-38113-3	SW-3	Total/NA	Water	3511	
752-38113-4	SW-4	Total/NA	Water	3511	
752-38113-5	SW-5	Total/NA	Water	3511	
752-38113-6	SW-6	Total/NA	Water	3511	
752-38113-7	SW-7	Total/NA	Water	3511	
752-38113-8	SW-8	Total/NA	Water	3511	
752-38113-9	SW-9	Total/NA	Water	3511	
752-38113-10	101425-Dup SW	Total/NA	Water	3511	
MB 400-727180/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-727180/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-727180/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

Prep Batch: 727262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38113-1	SW-1	Total/NA	Water	3510C	
752-38113-2	SW-2	Total/NA	Water	3510C	
752-38113-4	SW-4	Total/NA	Water	3510C	
752-38113-5	SW-5	Total/NA	Water	3510C	
752-38113-6	SW-6	Total/NA	Water	3510C	

GC/MS Semi VOA (Continued)

Prep Batch: 727262 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38113-7	SW-7	Total/NA	Water	3510C	
752-38113-8	SW-8	Total/NA	Water	3510C	
752-38113-9	SW-9	Total/NA	Water	3510C	
752-38113-10	101425-Dup SW	Total/NA	Water	3510C	
MB 400-727262/1-A	Method Blank	Total/NA	Water	3510C	
LCS 400-727262/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 400-727262/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 727264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38113-3	SW-3	Total/NA	Water	3510C	
MB 400-727264/1-A	Method Blank	Total/NA	Water	3510C	
LCS 400-727264/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 400-727264/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 727433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38113-1	SW-1	Total/NA	Water	8270E SIM ID	727262
752-38113-2	SW-2	Total/NA	Water	8270E SIM ID	727262
752-38113-4	SW-4	Total/NA	Water	8270E SIM ID	727262
752-38113-5	SW-5	Total/NA	Water	8270E SIM ID	727262
752-38113-6	SW-6	Total/NA	Water	8270E SIM ID	727262
752-38113-7	SW-7	Total/NA	Water	8270E SIM ID	727262
752-38113-8	SW-8	Total/NA	Water	8270E SIM ID	727262
752-38113-9	SW-9	Total/NA	Water	8270E SIM ID	727262
752-38113-10	101425-Dup SW	Total/NA	Water	8270E SIM ID	727262
MB 400-727262/1-A	Method Blank	Total/NA	Water	8270E SIM ID	727262
LCS 400-727262/2-A	Lab Control Sample	Total/NA	Water	8270E SIM ID	727262
LCSD 400-727262/3-A	Lab Control Sample Dup	Total/NA	Water	8270E SIM ID	727262

Analysis Batch: 727576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38113-3	SW-3	Total/NA	Water	8270E SIM ID	727264
MB 400-727264/1-A	Method Blank	Total/NA	Water	8270E SIM ID	727264
LCS 400-727264/2-A	Lab Control Sample	Total/NA	Water	8270E SIM ID	727264
LCSD 400-727264/3-A	Lab Control Sample Dup	Total/NA	Water	8270E SIM ID	727264

Analysis Batch: 727654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38113-1	SW-1	Total/NA	Water	8270E	727180
752-38113-2	SW-2	Total/NA	Water	8270E	727180
752-38113-3	SW-3	Total/NA	Water	8270E	727180
752-38113-4	SW-4	Total/NA	Water	8270E	727180
752-38113-5	SW-5	Total/NA	Water	8270E	727180
752-38113-6	SW-6	Total/NA	Water	8270E	727180
752-38113-7	SW-7	Total/NA	Water	8270E	727180
752-38113-8	SW-8	Total/NA	Water	8270E	727180
752-38113-9	SW-9	Total/NA	Water	8270E	727180
752-38113-10	101425-Dup SW	Total/NA	Water	8270E	727180
MB 400-727180/1-A	Method Blank	Total/NA	Water	8270E	727180
LCS 400-727180/2-A	Lab Control Sample	Total/NA	Water	8270E	727180

GC/MS Semi VOA (Continued)

Analysis Batch: 727654 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 400-727180/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	727180

HPLC/IC

Analysis Batch: 727921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38113-1	SW-1	Total/NA	Water	9056A	
752-38113-2	SW-2	Total/NA	Water	9056A	
752-38113-3	SW-3	Total/NA	Water	9056A	
752-38113-4	SW-4	Total/NA	Water	9056A	
752-38113-5	SW-5	Total/NA	Water	9056A	
752-38113-6	SW-6	Total/NA	Water	9056A	
752-38113-7	SW-7	Total/NA	Water	9056A	
752-38113-8	SW-8	Total/NA	Water	9056A	
752-38113-9	SW-9	Total/NA	Water	9056A	
752-38113-10	101425-Dup SW	Total/NA	Water	9056A	
MB 400-727921/54	Method Blank	Total/NA	Water	9056A	
LCS 400-727921/55	Lab Control Sample	Total/NA	Water	9056A	
LCSD 400-727921/56	Lab Control Sample Dup	Total/NA	Water	9056A	

Metals

Prep Batch: 89704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38113-1	SW-1	Total Recoverable	Water	3005A	
752-38113-2	SW-2	Total Recoverable	Water	3005A	
752-38113-3	SW-3	Total Recoverable	Water	3005A	
752-38113-4	SW-4	Total Recoverable	Water	3005A	
752-38113-5	SW-5	Total Recoverable	Water	3005A	
752-38113-6	SW-6	Total Recoverable	Water	3005A	
752-38113-7	SW-7	Total Recoverable	Water	3005A	
752-38113-8	SW-8	Total Recoverable	Water	3005A	
752-38113-9	SW-9	Total Recoverable	Water	3005A	
752-38113-10	101425-Dup SW	Total Recoverable	Water	3005A	
MB 705-89704/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 705-89704/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 90061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38113-1	SW-1	Total Recoverable	Water	6020B	89704
752-38113-2	SW-2	Total Recoverable	Water	6020B	89704
752-38113-3	SW-3	Total Recoverable	Water	6020B	89704
752-38113-4	SW-4	Total Recoverable	Water	6020B	89704
752-38113-5	SW-5	Total Recoverable	Water	6020B	89704
752-38113-6	SW-6	Total Recoverable	Water	6020B	89704
752-38113-7	SW-7	Total Recoverable	Water	6020B	89704
752-38113-8	SW-8	Total Recoverable	Water	6020B	89704
752-38113-9	SW-9	Total Recoverable	Water	6020B	89704
752-38113-10	101425-Dup SW	Total Recoverable	Water	6020B	89704
MB 705-89704/1-A	Method Blank	Total Recoverable	Water	6020B	89704
LCS 705-89704/2-A	Lab Control Sample	Total Recoverable	Water	6020B	89704

Metals

Prep Batch: 90286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38113-1	SW-1	Total/NA	Water	7470A	
752-38113-2	SW-2	Total/NA	Water	7470A	
752-38113-3	SW-3	Total/NA	Water	7470A	
752-38113-4	SW-4	Total/NA	Water	7470A	
752-38113-5	SW-5	Total/NA	Water	7470A	
752-38113-6	SW-6	Total/NA	Water	7470A	
752-38113-7	SW-7	Total/NA	Water	7470A	
752-38113-8	SW-8	Total/NA	Water	7470A	
MB 705-90286/1-A	Method Blank	Total/NA	Water	7470A	
LCS 705-90286/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 90577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38113-1	SW-1	Total/NA	Water	7470A	90286
752-38113-2	SW-2	Total/NA	Water	7470A	90286
752-38113-3	SW-3	Total/NA	Water	7470A	90286
752-38113-4	SW-4	Total/NA	Water	7470A	90286
752-38113-5	SW-5	Total/NA	Water	7470A	90286
752-38113-6	SW-6	Total/NA	Water	7470A	90286
752-38113-7	SW-7	Total/NA	Water	7470A	90286
752-38113-8	SW-8	Total/NA	Water	7470A	90286
MB 705-90286/1-A	Method Blank	Total/NA	Water	7470A	90286
LCS 705-90286/2-A	Lab Control Sample	Total/NA	Water	7470A	90286

Prep Batch: 90609

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38113-9	SW-9	Total/NA	Water	7470A	
752-38113-10	101425-Dup SW	Total/NA	Water	7470A	
MB 705-90609/1-A	Method Blank	Total/NA	Water	7470A	
LCS 705-90609/2-A	Lab Control Sample	Total/NA	Water	7470A	
752-38113-9 MS	SW-9	Total/NA	Water	7470A	
752-38113-9 MSD	SW-9	Total/NA	Water	7470A	

Analysis Batch: 90803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38113-9	SW-9	Total/NA	Water	7470A	90609
752-38113-10	101425-Dup SW	Total/NA	Water	7470A	90609
MB 705-90609/1-A	Method Blank	Total/NA	Water	7470A	90609
LCS 705-90609/2-A	Lab Control Sample	Total/NA	Water	7470A	90609
752-38113-9 MS	SW-9	Total/NA	Water	7470A	90609
752-38113-9 MSD	SW-9	Total/NA	Water	7470A	90609

Analysis Batch: 90974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38113-10	101425-Dup SW	Total Recoverable	Water	6020B	89704

General Chemistry

Analysis Batch: 13859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38113-1	SW-1	Total/NA	Water	353.2	

General Chemistry (Continued)

Analysis Batch: 13859 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38113-2	SW-2	Total/NA	Water	353.2	
752-38113-3	SW-3	Total/NA	Water	353.2	
752-38113-4	SW-4	Total/NA	Water	353.2	
752-38113-5	SW-5	Total/NA	Water	353.2	
752-38113-6	SW-6	Total/NA	Water	353.2	
752-38113-7	SW-7	Total/NA	Water	353.2	
752-38113-8	SW-8	Total/NA	Water	353.2	
752-38113-9	SW-9	Total/NA	Water	353.2	
752-38113-10	101425-Dup SW	Total/NA	Water	353.2	
MB 752-13859/10	Method Blank	Total/NA	Water	353.2	
MB 752-13859/44	Method Blank	Total/NA	Water	353.2	
LCS 752-13859/13	Lab Control Sample	Total/NA	Water	353.2	
LCS 752-13859/47	Lab Control Sample	Total/NA	Water	353.2	
LCSD 752-13859/43	Lab Control Sample Dup	Total/NA	Water	353.2	
LCSD 752-13859/57	Lab Control Sample Dup	Total/NA	Water	353.2	
752-38113-8 MS	SW-8	Total/NA	Water	353.2	
752-38113-8 MSD	SW-8	Total/NA	Water	353.2	

Analysis Batch: 13877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38113-1	SW-1	Total/NA	Water	Nitrate by calc	
752-38113-2	SW-2	Total/NA	Water	Nitrate by calc	
752-38113-3	SW-3	Total/NA	Water	Nitrate by calc	
752-38113-4	SW-4	Total/NA	Water	Nitrate by calc	
752-38113-5	SW-5	Total/NA	Water	Nitrate by calc	
752-38113-6	SW-6	Total/NA	Water	Nitrate by calc	
752-38113-7	SW-7	Total/NA	Water	Nitrate by calc	
752-38113-8	SW-8	Total/NA	Water	Nitrate by calc	
752-38113-9	SW-9	Total/NA	Water	Nitrate by calc	
752-38113-10	101425-Dup SW	Total/NA	Water	Nitrate by calc	

Analysis Batch: 727277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38113-1	SW-1	Total/NA	Water	SM 4500 NO3 F	
752-38113-2	SW-2	Total/NA	Water	SM 4500 NO3 F	
752-38113-3	SW-3	Total/NA	Water	SM 4500 NO3 F	
752-38113-4	SW-4	Total/NA	Water	SM 4500 NO3 F	
752-38113-5	SW-5	Total/NA	Water	SM 4500 NO3 F	
752-38113-6	SW-6	Total/NA	Water	SM 4500 NO3 F	
752-38113-7	SW-7	Total/NA	Water	SM 4500 NO3 F	
752-38113-8	SW-8	Total/NA	Water	SM 4500 NO3 F	
752-38113-9	SW-9	Total/NA	Water	SM 4500 NO3 F	
752-38113-10	101425-Dup SW	Total/NA	Water	SM 4500 NO3 F	
MB 400-727277/74	Method Blank	Total/NA	Water	SM 4500 NO3 F	
LCS 400-727277/75	Lab Control Sample	Total/NA	Water	SM 4500 NO3 F	
MRL 400-727277/23	Lab Control Sample	Total/NA	Water	SM 4500 NO3 F	
752-38113-1 MS	SW-1	Total/NA	Water	SM 4500 NO3 F	
752-38113-1 MSD	SW-1	Total/NA	Water	SM 4500 NO3 F	

QC Association Summary

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38113-1

General Chemistry

Analysis Batch: 727599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38113-1	SW-1	Total/NA	Water	350.1	
752-38113-2	SW-2	Total/NA	Water	350.1	
752-38113-3	SW-3	Total/NA	Water	350.1	
752-38113-4	SW-4	Total/NA	Water	350.1	
752-38113-5	SW-5	Total/NA	Water	350.1	
752-38113-6	SW-6	Total/NA	Water	350.1	
752-38113-7	SW-7	Total/NA	Water	350.1	
752-38113-8	SW-8	Total/NA	Water	350.1	
752-38113-9	SW-9	Total/NA	Water	350.1	
752-38113-10	101425-Dup SW	Total/NA	Water	350.1	
MB 400-727599/61	Method Blank	Total/NA	Water	350.1	
LCS 400-727599/62	Lab Control Sample	Total/NA	Water	350.1	
MRL 400-727599/19	Lab Control Sample	Total/NA	Water	350.1	

Lab Chronicle

Client: S&ME Inc
Job ID: 752-38113-1
Project/Site: East End Park, Durham, NC

Client Sample ID: SW-1
Lab Sample ID: 752-38113-1
Date Collected: 10/14/25 11:50
Matrix: Water
Date Received: 10/15/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	727815	BPO	EET PEN	10/23/25 15:32
Total/NA	Prep	3511			727180	RAW	EET PEN	10/17/25 11:52
Total/NA	Analysis	8270E		1	727654	S1B	EET PEN	10/22/25 21:10
Total/NA	Prep	3510C			727262	STC	EET PEN	10/17/25 16:48
Total/NA	Analysis	8270E SIM ID		1	727433	VC1	EET PEN	10/20/25 18:30
Total/NA	Analysis	9056A		1	727921	LHB	EET PEN	10/24/25 03:56
Total Recoverable	Prep	3005A			89704	BR	EET ATL	10/21/25 07:23
Total Recoverable	Analysis	6020B		1	90061	IF	EET ATL	10/21/25 20:44
Total/NA	Prep	7470A			90286	GR	EET ATL	10/23/25 08:45
Total/NA	Analysis	7470A		1	90577	GR	EET ATL	10/23/25 20:03
Total/NA	Analysis	350.1		1	727599	CAC	EET PEN	10/21/25 12:50
Total/NA	Analysis	353.2		1	13859	CB	EET RAL	10/15/25 14:37
Total/NA	Analysis	Nitrate by calc		1	13877	LEB	EET RAL	10/21/25 09:23
Total/NA	Analysis	SM 4500 NO3 F		1	727277	EJT	EET PEN	10/17/25 17:19

Client Sample ID: SW-2
Lab Sample ID: 752-38113-2
Date Collected: 10/14/25 12:30
Matrix: Water
Date Received: 10/15/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	727815	BPO	EET PEN	10/23/25 15:56
Total/NA	Prep	3511			727180	RAW	EET PEN	10/17/25 11:52
Total/NA	Analysis	8270E		1	727654	S1B	EET PEN	10/22/25 21:40
Total/NA	Prep	3510C			727262	STC	EET PEN	10/17/25 16:48
Total/NA	Analysis	8270E SIM ID		1	727433	VC1	EET PEN	10/20/25 18:51
Total/NA	Analysis	9056A		1	727921	LHB	EET PEN	10/24/25 04:05
Total Recoverable	Prep	3005A			89704	BR	EET ATL	10/21/25 07:23
Total Recoverable	Analysis	6020B		1	90061	IF	EET ATL	10/21/25 20:47
Total/NA	Prep	7470A			90286	GR	EET ATL	10/23/25 08:45
Total/NA	Analysis	7470A		1	90577	GR	EET ATL	10/23/25 20:07
Total/NA	Analysis	350.1		1	727599	CAC	EET PEN	10/21/25 13:05
Total/NA	Analysis	353.2		1	13859	CB	EET RAL	10/15/25 14:38
Total/NA	Analysis	Nitrate by calc		1	13877	LEB	EET RAL	10/21/25 09:23
Total/NA	Analysis	SM 4500 NO3 F		1	727277	EJT	EET PEN	10/17/25 17:24

Client Sample ID: SW-3
Lab Sample ID: 752-38113-3
Date Collected: 10/14/25 13:05
Matrix: Water
Date Received: 10/15/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	727815	BPO	EET PEN	10/23/25 16:20
Total/NA	Prep	3511			727180	RAW	EET PEN	10/17/25 11:52
Total/NA	Analysis	8270E		1	727654	S1B	EET PEN	10/22/25 22:10

Client Sample ID: SW-3

Lab Sample ID: 752-38113-3

Date Collected: 10/14/25 13:05

Matrix: Water

Date Received: 10/15/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			727264	STC	EET PEN	10/20/25 17:01
Total/NA	Analysis	8270E SIM ID		1	727576	VC1	EET PEN	10/21/25 22:23
Total/NA	Analysis	9056A		1	727921	LHB	EET PEN	10/24/25 04:13
Total Recoverable	Prep	3005A			89704	BR	EET ATL	10/21/25 07:23
Total Recoverable	Analysis	6020B		1	90061	IF	EET ATL	10/21/25 20:49
Total/NA	Prep	7470A			90286	GR	EET ATL	10/23/25 08:45
Total/NA	Analysis	7470A		1	90577	GR	EET ATL	10/23/25 20:11
Total/NA	Analysis	350.1		1	727599	CAC	EET PEN	10/21/25 13:06
Total/NA	Analysis	353.2		1	13859	CB	EET RAL	10/15/25 14:39
Total/NA	Analysis	Nitrate by calc		1	13877	LEB	EET RAL	10/21/25 09:23
Total/NA	Analysis	SM 4500 NO3 F		1	727277	EJT	EET PEN	10/17/25 17:26

Client Sample ID: SW-4

Lab Sample ID: 752-38113-4

Date Collected: 10/14/25 13:40

Matrix: Water

Date Received: 10/15/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	727815	BPO	EET PEN	10/23/25 16:44
Total/NA	Prep	3511			727180	RAW	EET PEN	10/17/25 11:52
Total/NA	Analysis	8270E		1	727654	S1B	EET PEN	10/22/25 22:40
Total/NA	Prep	3510C			727262	STC	EET PEN	10/17/25 16:48
Total/NA	Analysis	8270E SIM ID		1	727433	VC1	EET PEN	10/20/25 19:34
Total/NA	Analysis	9056A		1	727921	LHB	EET PEN	10/24/25 04:22
Total Recoverable	Prep	3005A			89704	BR	EET ATL	10/21/25 07:23
Total Recoverable	Analysis	6020B		1	90061	IF	EET ATL	10/21/25 20:51
Total/NA	Prep	7470A			90286	GR	EET ATL	10/23/25 08:45
Total/NA	Analysis	7470A		1	90577	GR	EET ATL	10/23/25 20:15
Total/NA	Analysis	350.1		1	727599	CAC	EET PEN	10/21/25 13:09
Total/NA	Analysis	353.2		1	13859	CB	EET RAL	10/15/25 14:40
Total/NA	Analysis	Nitrate by calc		1	13877	LEB	EET RAL	10/21/25 09:23
Total/NA	Analysis	SM 4500 NO3 F		1	727277	EJT	EET PEN	10/17/25 17:27

Client Sample ID: SW-5

Lab Sample ID: 752-38113-5

Date Collected: 10/14/25 14:05

Matrix: Water

Date Received: 10/15/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	727815	BPO	EET PEN	10/23/25 17:08
Total/NA	Analysis	8260D		1	728012	BPO	EET PEN	10/24/25 11:58
Total/NA	Prep	3511			727180	RAW	EET PEN	10/17/25 11:52
Total/NA	Analysis	8270E		1	727654	S1B	EET PEN	10/22/25 23:10
Total/NA	Prep	3510C			727262	STC	EET PEN	10/17/25 16:48
Total/NA	Analysis	8270E SIM ID		1	727433	VC1	EET PEN	10/20/25 19:56

Client Sample ID: SW-5
Lab Sample ID: 752-38113-5

Date Collected: 10/14/25 14:05
Matrix: Water
Date Received: 10/15/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		1	727921	LHB	EET PEN	10/24/25 04:30
Total Recoverable	Prep	3005A			89704	BR	EET ATL	10/21/25 07:23
Total Recoverable	Analysis	6020B		1	90061	IF	EET ATL	10/21/25 21:09
Total/NA	Prep	7470A			90286	GR	EET ATL	10/23/25 08:45
Total/NA	Analysis	7470A		1	90577	GR	EET ATL	10/23/25 20:19
Total/NA	Analysis	350.1		1	727599	CAC	EET PEN	10/21/25 13:12
Total/NA	Analysis	353.2		1	13859	CB	EET RAL	10/15/25 14:41
Total/NA	Analysis	Nitrate by calc		1	13877	LEB	EET RAL	10/21/25 09:23
Total/NA	Analysis	SM 4500 NO3 F		1	727277	EJT	EET PEN	10/17/25 17:29

Client Sample ID: SW-6
Lab Sample ID: 752-38113-6

Date Collected: 10/14/25 14:30
Matrix: Water
Date Received: 10/15/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	727815	BPO	EET PEN	10/23/25 17:32
Total/NA	Analysis	8260D		1	728012	BPO	EET PEN	10/24/25 12:23
Total/NA	Prep	3511			727180	RAW	EET PEN	10/17/25 11:52
Total/NA	Analysis	8270E		1	727654	S1B	EET PEN	10/22/25 23:40
Total/NA	Prep	3510C			727262	STC	EET PEN	10/17/25 16:48
Total/NA	Analysis	8270E SIM ID		1	727433	VC1	EET PEN	10/20/25 20:17
Total/NA	Analysis	9056A		1	727921	LHB	EET PEN	10/24/25 04:39
Total Recoverable	Prep	3005A			89704	BR	EET ATL	10/21/25 07:23
Total Recoverable	Analysis	6020B		1	90061	IF	EET ATL	10/21/25 21:11
Total/NA	Prep	7470A			90286	GR	EET ATL	10/23/25 08:45
Total/NA	Analysis	7470A		1	90577	GR	EET ATL	10/23/25 20:23
Total/NA	Analysis	350.1		1	727599	CAC	EET PEN	10/21/25 13:14
Total/NA	Analysis	353.2		1	13859	CB	EET RAL	10/15/25 14:42
Total/NA	Analysis	Nitrate by calc		1	13877	LEB	EET RAL	10/21/25 09:23
Total/NA	Analysis	SM 4500 NO3 F		10	727277	EJT	EET PEN	10/17/25 18:10

Client Sample ID: SW-7
Lab Sample ID: 752-38113-7

Date Collected: 10/14/25 15:10
Matrix: Water
Date Received: 10/15/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	727815	BPO	EET PEN	10/23/25 17:55
Total/NA	Analysis	8260D		1	728012	BPO	EET PEN	10/24/25 12:49
Total/NA	Prep	3511			727180	RAW	EET PEN	10/17/25 11:52
Total/NA	Analysis	8270E		1	727654	S1B	EET PEN	10/23/25 00:10
Total/NA	Prep	3510C			727262	STC	EET PEN	10/17/25 16:48
Total/NA	Analysis	8270E SIM ID		1	727433	VC1	EET PEN	10/20/25 20:38
Total/NA	Analysis	9056A		1	727921	LHB	EET PEN	10/24/25 04:48

Lab Chronicle

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38113-1

Client Sample ID: SW-7

Lab Sample ID: 752-38113-7

Date Collected: 10/14/25 15:10

Matrix: Water

Date Received: 10/15/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			89704	BR	EET ATL	10/21/25 07:23
Total Recoverable	Analysis	6020B		1	90061	IF	EET ATL	10/21/25 21:13
Total/NA	Prep	7470A			90286	GR	EET ATL	10/23/25 08:45
Total/NA	Analysis	7470A		1	90577	GR	EET ATL	10/23/25 20:26
Total/NA	Analysis	350.1		1	727599	CAC	EET PEN	10/21/25 13:17
Total/NA	Analysis	353.2		1	13859	CB	EET RAL	10/15/25 14:42
Total/NA	Analysis	Nitrate by calc		1	13877	LEB	EET RAL	10/21/25 09:23
Total/NA	Analysis	SM 4500 NO3 F		1	727277	EJT	EET PEN	10/17/25 17:33

Client Sample ID: SW-8

Lab Sample ID: 752-38113-8

Date Collected: 10/14/25 16:00

Matrix: Water

Date Received: 10/15/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	727815	BPO	EET PEN	10/23/25 18:19
Total/NA	Analysis	8260D		1	728012	BPO	EET PEN	10/24/25 13:14
Total/NA	Prep	3511			727180	RAW	EET PEN	10/17/25 11:52
Total/NA	Analysis	8270E		1	727654	S1B	EET PEN	10/23/25 00:40
Total/NA	Prep	3510C			727262	STC	EET PEN	10/17/25 16:48
Total/NA	Analysis	8270E SIM ID		1	727433	VC1	EET PEN	10/20/25 21:00
Total/NA	Analysis	9056A		1	727921	LHB	EET PEN	10/24/25 04:56
Total Recoverable	Prep	3005A			89704	BR	EET ATL	10/21/25 07:23
Total Recoverable	Analysis	6020B		1	90061	IF	EET ATL	10/21/25 21:16
Total/NA	Analysis	7470A		1	90577	GR	EET ATL	10/23/25 20:30
Total/NA	Prep	7470A			90286	GR	EET ATL	10/24/25 07:43
Total/NA	Analysis	350.1		1	727599	CAC	EET PEN	10/21/25 13:22
Total/NA	Analysis	353.2		1	13859	CB	EET RAL	10/15/25 18:12
Total/NA	Analysis	Nitrate by calc		1	13877	LEB	EET RAL	10/21/25 09:23
Total/NA	Analysis	SM 4500 NO3 F		1	727277	EJT	EET PEN	10/17/25 17:34

Client Sample ID: SW-9

Lab Sample ID: 752-38113-9

Date Collected: 10/14/25 16:30

Matrix: Water

Date Received: 10/15/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	727815	BPO	EET PEN	10/23/25 18:43
Total/NA	Analysis	8260D		1	728012	BPO	EET PEN	10/24/25 13:39
Total/NA	Prep	3511			727180	RAW	EET PEN	10/17/25 11:52
Total/NA	Analysis	8270E		1	727654	S1B	EET PEN	10/23/25 01:10
Total/NA	Prep	3510C			727262	STC	EET PEN	10/17/25 16:48
Total/NA	Analysis	8270E SIM ID		1	727433	VC1	EET PEN	10/20/25 21:21
Total/NA	Analysis	9056A		1	727921	LHB	EET PEN	10/24/25 05:22

Lab Chronicle

Client: S&ME Inc
Job ID: 752-38113-1
Project/Site: East End Park, Durham, NC

Client Sample ID: SW-9
Lab Sample ID: 752-38113-9
Date Collected: 10/14/25 16:30
Matrix: Water
Date Received: 10/15/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			89704	BR	EET ATL	10/21/25 07:23
Total Recoverable	Analysis	6020B		1	90061	IF	EET ATL	10/21/25 21:18
Total/NA	Prep	7470A			90609	GR	EET ATL	10/24/25 12:28
Total/NA	Analysis	7470A		1	90803	GR	EET ATL	10/24/25 15:53
Total/NA	Analysis	350.1		1	727599	CAC	EET PEN	10/21/25 13:25
Total/NA	Analysis	353.2		1	13859	CB	EET RAL	10/15/25 18:14
Total/NA	Analysis	Nitrate by calc		1	13877	LEB	EET RAL	10/21/25 09:23
Total/NA	Analysis	SM 4500 NO3 F		1	727277	EJT	EET PEN	10/17/25 17:36

Client Sample ID: 101425-Dup SW
Lab Sample ID: 752-38113-10
Date Collected: 10/14/25 00:00
Matrix: Water
Date Received: 10/15/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	727815	BPO	EET PEN	10/23/25 19:07
Total/NA	Prep	3511			727180	RAW	EET PEN	10/17/25 11:52
Total/NA	Analysis	8270E		1	727654	S1B	EET PEN	10/23/25 01:39
Total/NA	Prep	3510C			727262	STC	EET PEN	10/17/25 16:48
Total/NA	Analysis	8270E SIM ID		1	727433	VC1	EET PEN	10/20/25 21:43
Total/NA	Analysis	9056A		1	727921	LHB	EET PEN	10/24/25 05:30
Total Recoverable	Prep	3005A			89704	BR	EET ATL	10/21/25 07:23
Total Recoverable	Analysis	6020B		1	90061	IF	EET ATL	10/21/25 21:21
Total Recoverable	Prep	3005A			89704	BR	EET ATL	10/21/25 07:23
Total Recoverable	Analysis	6020B		10	90974	TT	EET ATL	10/24/25 16:35
Total/NA	Prep	7470A			90609	GR	EET ATL	10/24/25 12:28
Total/NA	Analysis	7470A		1	90803	GR	EET ATL	10/24/25 16:17
Total/NA	Analysis	350.1		1	727599	CAC	EET PEN	10/21/25 13:28
Total/NA	Analysis	353.2		1	13859	CB	EET RAL	10/15/25 14:36
Total/NA	Analysis	Nitrate by calc		1	13877	LEB	EET RAL	10/21/25 09:23
Total/NA	Analysis	SM 4500 NO3 F		1	727277	EJT	EET PEN	10/17/25 17:38

Client Sample ID: Trip Blank
Lab Sample ID: 752-38113-11
Date Collected: 10/14/25 00:00
Matrix: Water
Date Received: 10/15/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	727815	BPO	EET PEN	10/23/25 15:09

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
Job ID: 752-38113-1
Project/Site: East End Park, Durham, NC

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
8260D		Water	Hexane
8260D		Water	n-Heptane
8270E	3511	Water	3 & 4 Methylphenol
8270E	3511	Water	4-Nitrophenol
9056A		Water	Sulfate

Method Summary

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38113-1

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 ATL
7470A	Mercury (CVAA)	SW846	EET ATL
350.1	Nitrogen, Ammonia	EPA	EET PEN
353.2	Nitrogen, Nitrite	EPA	EET RAL
Nitrate by calc	Nitrogen, Nitrate-Nitrite	SM	EET RAL
SM 4500 NO3 F	Nitrogen, Nitrate-Nitrite	SM	EET PEN
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET ATL
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 ATL

Protocol References:

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 End Park, Durham, NC

Job ID: 752-38113-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
752-38113-1	SW-1	Water	10/14/25 11:50	10/15/25 08:00	North Carolina
752-38113-2	SW-2	Water	10/14/25 12:30	10/15/25 08:00	North Carolina
752-38113-3	SW-3	Water	10/14/25 13:05	10/15/25 08:00	North Carolina
752-38113-4	SW-4	Water	10/14/25 13:40	10/15/25 08:00	North Carolina
752-38113-5	SW-5	Water	10/14/25 14:05	10/15/25 08:00	North Carolina
752-38113-6	SW-6	Water	10/14/25 14:30	10/15/25 08:00	North Carolina
752-38113-7	SW-7	Water	10/14/25 15:10	10/15/25 08:00	North Carolina
752-38113-8	SW-8	Water	10/14/25 16:00	10/15/25 08:00	North Carolina
752-38113-9	SW-9	Water	10/14/25 16:30	10/15/25 08:00	North Carolina
752-38113-10	101425-Dup SW	Water	10/14/25 00:00	10/15/25 08:00	North Carolina
752-38113-11	Trip Blank	Water	10/14/25 00:00	10/15/25 08:00	North Carolina

Eurofins Raleigh
104 Woodwinds Industrial Court Suite A
Cary, NC 27511
Phone (919) 467-3090

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Chase Porter	Lab PM: Bechtold, Chad	Carrier Tracking No(s):	COC No: 680-170035-59846.1
Client Contact: Rachel Moore	Phone: (580) 337-7945	E-Mail: Chad.Bechtold@et.eurofinsus.com	State of Origin:	Page: 1 of 1
Company: S&ME Inc	PWSID:			Job #:
Address: 3201 Spring Forest Road	Due Date Requested:			
City: Raleigh	TAT Requested (days): STANDARD TAT			
State, Zip: NC, 27616	Compliance Project: Δ Yes Δ No			
Phone: 919-872-2660(Tel) 919-876-3958(Fax)	PO #: 23050630BK			
Email: RachelMoore@smeinc.com	WO #:			
Project Name: East End Park, Durham, NC	Project #: 68026680			
Site:	SSOW#:			

Analysis Requested

752-38113 COC

Preservation Codes:
N - None
S - H2SO4
A - HCL
D - HNO3

Other:

NCDEQ EQuIS EDDs

Special Instructions/Note:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270E_QQQ - SVOC TCL OLM4.2	8270E_SIM_ID_D5 - 1,4 Dioxane	350.1 - Ammonia as N; 353.2 - NOx, Nitrate_Calc	8260D - VOC NC 02L List	6020B - PRLF Metals; 7470A - Hg	353.2_Nitrite - Nitrite (48 Hour HT)	SM4500_SO4_E - Sulfate	Total Number of containers
			Preservation Code:				N	N	S	A	D	N	N	
SW-1	10/14/25	1150	G	W			X	X	X	X	X	X	X	
SW-2		1230	G	W			X	X	X	X	X	X	X	
SW-3		1305	G	W			X	X	X	X	X	X	X	
SW-4		1340	G	W			X	X	X	X	X	X	X	
SW-5		1405	G	W			X	X	X	X	X	X	X	
SW-6		1430	G	W			X	X	X	X	X	X	X	
SW-7		1510	G	W			X	X	X	X	X	X	X	
SW-8		1600	G	W			X	X	X	X	X	X	X	
SW-A		1630	G	W			X	X	X	X	X	X	X	
10/14/25-DUP-SW		—	G	W			X	X	X	X	X	X	X	
TRIP BLANK														

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	10/14/25 21:30			10/15/25 800	
Relinquished by:			Received by:	Date/Time:	Company
Relinquished by:			Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Initial Temperature: 2.4 1.7 °C
Correction Factor: -0.4 °C
Corrected Temperature: 2.0 1.3 °C
Temp IR Gun: CRY-T-132
Initials: RY BR PG DW DO HH

Eurofins Raleigh
104 Woodwinds Industrial Court Suite A
Cary, NC 27511
Phone: 919-467-3090

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Bechtold, Chad	Carrier Tracking No(s): N/A	COC No: 752-6952.1
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 #: 752-38113-1
Address: 3355 McLemore Drive, ,	Due Date Requested: 10/23/2025			
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 End Park, Durham, NC	Project #: 68026680			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D/5030CVOC NC 02L List	8270E_QQQ/3511(MOD) SVOC TCL OLM4.2	8270E_SIM_ID_D5/3510C_LVI1,4 Dioxane	350.1Ammonia as N	SM4500_NO3_FNitrate+Nitrite	9056A_ORGFM_28DSulfate	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
SW-1 (752-38113-1)	10/14/25	11 50 Eastern	G	Water			X	X	X	X	X	X		
SW-2 (752-38113-2)	10/14/25	12:30 Eastern	G	Water			X	X	X	X	X	X		
SW-3 (752-38113-3)	10/14/25	13 05 Eastern	G	Water			X	X	X	X	X	X		
SW-4 (752-38113-4)	10/14/25	13 40 Eastern	G	Water			X	X	X	X	X	X		
SW-5 (752-38113-5)	10/14/25	14 05 Eastern	G	Water			X	X	X	X	X	X		
SW-6 (752-38113-6)	10/14/25	14 30 Eastern	G	Water			X	X	X	X	X	X		
SW-7 (752-38113-7)	10/14/25	15 10 Eastern	G	Water			X	X	X	X	X	X		
SW-8 (752-38113-8)	10/14/25	16 00 Eastern	G	Water			X	X	X	X	X	X		
SW-9 (752-38113-9)	10/14/25	16 30 Eastern	G	Water			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	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Relinquished by:	10-15-25-16:00				
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	10/16/25 0945	

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: 3.3, 3.6, 2.6 IR41

2.2°C IR4

Ver 10/10/2024

Eurofins Raleigh
104 Woodwinds Industrial Court Suite A
Cary, NC 27511
Phone: 919-467-3090

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Bechtold, Chad	Carrier Tracking No(s): N/A	COC No: 752-6949.1
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 #: 752-38113-1
Address: 3080 Presidential Dr, ,	Due Date Requested: 10/23/2025			Preservation Codes: -
City: Atlanta	TAT Requested (days): N/A			
State, Zip: GA, 30340				
Phone: 770-457-8177(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: East End Park, Durham, NC	Project #: 68026680			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3005APRLF 16 Metals, including prep	7470A/7470A_PrepMercury	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
SW-1 (752-38113-1)	10/14/25	11:50 Eastern	G	Water			X	X	1	
SW-2 (752-38113-2)	10/14/25	12:30 Eastern	G	Water			X	X	1	
SW-3 (752-38113-3)	**10/14/25**	**13:05 Eastern**	**G**	**Water**			**X**	**X**	**1**	
SW-4 (752-38113-4)	10/14/25	13:40 Eastern	G	Water			X	X	1	
SW-5 (752-38113-5)	10/14/25	14:05 Eastern	G	Water			X	X	1	
SW-6 (752-38113-6)	10/14/25	14:30 Eastern	G	Water			X	X	1	
SW-7 (752-38113-7)	10/14/25	15:10 Eastern	G	Water			X	X	1	
SW-8 (752-38113-8)	10/14/25	16:00 Eastern	G	Water			X	X	1	
SW-9 (752-38113-9)	10/14/25	16:30 Eastern	G	Water			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 10-15-25 16:00	Company	Received by:	Date/Time: 10/16/25 940	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: .5 + 2665

Ver: 10/10/2024

10/29/2025

Eurofins Raleigh
104 Woodwinds Industrial Court Suite A
Cary, NC 27511
Phone: 919-467-3090

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Bechtold, Chad	Carrier Tracking No(s): N/A	COC No: 752-6949.2
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 #: 752-38113-1
Address: 3080 Presidential Dr, ,	Due Date Requested: 10/23/2025			
City: Atlanta	TAT Requested (days): N/A			
State, Zip: GA, 30340				
Phone: 770-457-8177(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: East End Park, Durham, NC	Project #: 68026680			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3005APRLF 16 Metals, including prep	7470A/7470A_PrepMercury	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
101425-Dup SW (752-38113-10)	10/14/25	Eastern	G	Water			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: DW	Date/Time: 10-15-25 16:00	Company	Received by: R Taylor	Date/Time: 10/16/25 940	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: .5 #2665

Ver: 10/10/2024

10/29/2025

Login Sample Receipt Checklist

Client: S&ME Inc

Job Number: 752-38113-1

Login Number: 38113
List Number: 1
Creator: Yonish, Rachel

List Source: Eurofins Raleigh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: S&ME Inc

Job Number: 752-38113-1

Login Number: 38113
List Number: 2
Creator: Taylor, Renee

List Source: Eurofins Atlanta
List Creation: 10/16/25 11:12 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
The cooler does 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 present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Sample custody seals, if present, are intact.	True	
Sample collection date/times are provided.	True	
The samples do not appear to have been compromised or tampered with.	True	
Containers are not broken or leaking.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Appropriate sample containers were rec'd and sufficient volume for all analyses.	True	
Samples are received within Holding Time (excluding tests with immediate HTs).	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Is there sufficient air space in bottle for bacteriological analysis.	True	

Login Sample Receipt Checklist

Client: S&ME Inc

Job Number: 752-38113-1

Login Number: 38113
List Number: 3
Creator: Bankston, Victoria K

List Source: Eurofins Pensacola
List Creation: 10/16/25 05:31 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.3°C 3.6°C 2.6°C IR11
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 10/28/2025 2:44:08 PM

JOB DESCRIPTION

East End Park, Durham, NC

JOB NUMBER

752-38116-1

Eurofins Raleigh
104 Woodwinds Industrial Court
Suite A
Cary NC 27511

See page two for job notes and contact information.

my EOL

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.

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Authorization

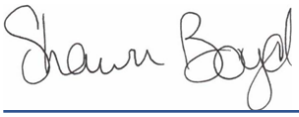

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Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 6
Detection Summary 9
Client Sample Results 16
Surrogate Summary 58
Isotope Dilution Summary 60
QC Sample Results 61
QC Association Summary 80
Lab Chronicle 87
Certification Summary 95
Method Summary 96
Sample Summary 97
Chain of Custody 98
Receipt Checklists 103

Definitions/Glossary

Client: S&ME Inc
Job ID: 752-38116-1
Project/Site: East End Park, Durham, NC

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD 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.

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

HPLC/IC

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
752-38116-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 10/15/2025 8:00 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 2.0°C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 400-727836 recovered above the upper control limit for Acetone, Bromomethane, Chloroethane, Trichlorofluoromethane and 1,1,2-Trichloro-1,2,2-trifluoroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCVIS 400-727836/2).

Method 8260D: The laboratory control sample (LCS) for analytical batch 400-727836 recovered outside control limits for the following analytes: Acetone, Bromomethane and n-Butylbenzene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The continuing calibration verification (CCV) associated with batch 400-727513 recovered above the upper control limit for Vinyl acetate and Isopropyl ether. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8260D: The continuing calibration verification (CCV) associated with batch 400-727513 recovered outside acceptance criteria, low biased, for Chloroethane, Chloromethane, 1,1-Dichloroethene and Hexane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260D: The laboratory control sample (LCS) for preparation batch 400-727573 and analytical batch 400-727513 recovered outside control limits for the following analytes: Vinyl acetate and Isopropyl ether. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 400-727744 and analytical batch 400-727708. The LCS/LCSD data is provided.

Method 8260D: The continuing calibration verification (CCV) associated with batch 400-727708 recovered above the upper control limit for trans-1,4-Dichloro-2-butene, 1,1,2,2-Tetrachloroethane and 1,2,3-Trichlorobenzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCVIS 400-727708/2).

Method 8260D: The continuing calibration verification (CCV) associated with batch 400-727708 recovered outside acceptance criteria, low biased, for Chloroethane, Chloromethane and Vinyl chloride. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260D: The laboratory control sample duplicate (LCSD) for preparation batch 400-727744 and analytical batch 400-727708 recovered outside control limits for the following analytes: 1,3-Dichloropropane, trans-1,3-Dichloropropene, 2-Hexanone, 1,1,2-Trichloroethane and Isopropyl ether. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 400-727744 and analytical batch 400-727708 recovered outside control limits for the following analytes: 1,2-Dibromo-3-Chloropropane, Hexachlorobutadiene, Naphthalene, 1,2,3-Trichlorobenzene and 1,2,4-Trichlorobenzene.

Method 8260D: The following sample contained Methylene Chloride above the reporting limit (RL), reanalysis was performed with concurring results. The original analysis has been reported. SED-8 (752-38116-8)

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: The method blank for preparation batch 400-727135 and analytical batch 400-727319 contained Bis(2-ethylhexyl) phthalate above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8270E_QQQ: The laboratory control sample (LCS) for preparation batch 400-727135 and analytical batch 400-727319 recovered outside control limits for the following analytes: Caprolactam. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-727536 recovered outside acceptance criteria, low biased, for Pyrene. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-727319 recovered above the upper control limit for Caprolactam. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-727319 recovered above the upper control limit for Bis(2-ethylhexyl) phthalate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_QQQ: The following samples were diluted due to the nature of the sample matrix: SED-1 (752-38116-1), SED-2 (752-38116-2), SED-3 (752-38116-3), SED-4 (752-38116-4), SED-5 (752-38116-5), SED-7 (752-38116-7), SED-8 (752-38116-8), SED-9 (752-38116-9) and 101425-Dup-SED (752-38116-10). Elevated reporting limits (RLs) are provided.

Method 8270E_SIM_ID_D5: The following samples were diluted due to the nature of the sample matrix: SED-1 (752-38116-1), SED-2 (752-38116-2), SED-3 (752-38116-3), SED-4 (752-38116-4), SED-5 (752-38116-5), SED-6 (752-38116-6), SED-7 (752-38116-7), SED-8 (752-38116-8), SED-9 (752-38116-9) and 101425-Dup-SED (752-38116-10). Elevated reporting limits (RLs) are provided.

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

HPLC/IC

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

Metals

Method 6020B_LL: The method blank for preparation batch 705-89597 and analytical batch 705-90654 contained Antimony, Cadmium, Copper, Lead, Silver and Thallium above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 6020B_LL: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 705-89597 and analytical batch 705-90654 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

Method 6020B_LL: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 705-89597 and analytical batch 705-90654 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 6020B_LL: The method blank for preparation batch 705-89597 and analytical batch 705-90654 contained Beryllium above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore,

re-extraction and/or re-analysis of samples was not performed

Method 6020B_LL: The method blank for preparation batch 705-89597 and analytical batch 705-90898 contained Antimony, Cadmium, Copper, Lead, Silver and Thallium above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

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

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

Detection Summary

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38116-1

Client Sample ID: SED-1 — Lab Sample ID: 752-38116-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0242	J	0.0273	0.0131	mg/Kg	1	☼	8260D	Total/NA
Carbon disulfide	0.00409	J	0.00545	0.00276	mg/Kg	1	☼	8260D	Total/NA
Anthracene	0.114	J	0.800	0.0800	mg/Kg	2	☼	8270E	Total/NA
Benzo[a]anthracene	0.853		0.800	0.0800	mg/Kg	2	☼	8270E	Total/NA
Benzo[a]pyrene	0.895		0.800	0.0800	mg/Kg	2	☼	8270E	Total/NA
Benzo[b]fluoranthene	1.42		0.800	0.00339	mg/Kg	2	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.726	J	0.800	0.0800	mg/Kg	2	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.400	J	0.800	0.0800	mg/Kg	2	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.693	J B	0.800	0.242	mg/Kg	2	☼	8270E	Total/NA
Carbazole	0.113	J	0.800	0.0800	mg/Kg	2	☼	8270E	Total/NA
Chrysene	0.962		0.800	0.0800	mg/Kg	2	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.150	J	0.800	0.0800	mg/Kg	2	☼	8270E	Total/NA
Fluoranthene	2.13		0.800	0.0800	mg/Kg	2	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.716	J	0.800	0.0800	mg/Kg	2	☼	8270E	Total/NA
Phenanthrene	0.877		0.800	0.0800	mg/Kg	2	☼	8270E	Total/NA
Pyrene	1.75		0.800	0.0800	mg/Kg	2	☼	8270E	Total/NA
Nitrate as N	7.21		3.06	0.886	mg/Kg	1	☼	9056A	Soluble
Sulfate	17.2		12.2	12.0	mg/Kg	1	☼	9056A	Soluble
Selenium	0.405	J	1.73	0.123	mg/Kg	5	☼	6020B	Total/NA

Client Sample ID: SED-2 — Lab Sample ID: 752-38116-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0368		0.0259	0.0125	mg/Kg	1	☼	8260D	Total/NA
Benzo[a]anthracene	0.147	J	0.758	0.0758	mg/Kg	2	☼	8270E	Total/NA
Benzo[a]pyrene	0.147	J	0.758	0.0758	mg/Kg	2	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.225	J	0.758	0.00321	mg/Kg	2	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.110	J	0.758	0.0758	mg/Kg	2	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.548	J B	0.758	0.230	mg/Kg	2	☼	8270E	Total/NA
Chrysene	0.151	J	0.758	0.0758	mg/Kg	2	☼	8270E	Total/NA
Fluoranthene	0.311	J	0.758	0.0758	mg/Kg	2	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.107	J	0.758	0.0758	mg/Kg	2	☼	8270E	Total/NA
Phenanthrene	0.117	J	0.758	0.0758	mg/Kg	2	☼	8270E	Total/NA
Pyrene	0.346	J	0.758	0.0758	mg/Kg	2	☼	8270E	Total/NA
Nitrate as N	1.79	J	3.18	0.922	mg/Kg	1	☼	9056A	Soluble
Sulfate	13.9		12.7	12.5	mg/Kg	1	☼	9056A	Soluble
Antimony	0.206	J B	0.727	0.166	mg/Kg	5	☼	6020B	Total/NA
Arsenic	1.03		0.436	0.0389	mg/Kg	5	☼	6020B	Total/NA
Barium	32.5		1.82	0.0103	mg/Kg	5	☼	6020B	Total/NA
Beryllium	0.147	J	0.363	0.0255	mg/Kg	5	☼	6020B	Total/NA
Cadmium	0.116	J B	0.363	0.0118	mg/Kg	5	☼	6020B	Total/NA
Chromium	8.86		0.727	0.150	mg/Kg	5	☼	6020B	Total/NA
Cobalt	5.92		0.545	0.0206	mg/Kg	5	☼	6020B	Total/NA
Copper	11.4	B	0.363	0.0378	mg/Kg	5	☼	6020B	Total/NA
Lead	28.1	B	0.363	0.0429	mg/Kg	5	☼	6020B	Total/NA
Manganese	355		0.727	0.0447	mg/Kg	5	☼	6020B	Total/NA
Nickel	16.7		0.727	0.0190	mg/Kg	5	☼	6020B	Total/NA
Selenium	0.159	J	1.82	0.129	mg/Kg	5	☼	6020B	Total/NA
Silver	0.0102	J B	0.182	0.00211	mg/Kg	5	☼	6020B	Total/NA
Vanadium	15.7		0.727	0.0912	mg/Kg	5	☼	6020B	Total/NA
Zinc	67.5		1.82	1.51	mg/Kg	5	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38116-1

Client Sample ID: SED-3 — Lab Sample ID: 752-38116-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0588		0.0335	0.0161	mg/Kg	1	☼	8260D	Total/NA
Benzo[a]anthracene	0.239	J	0.774	0.0774	mg/Kg	2	☼	8270E	Total/NA
Benzo[a]pyrene	0.245	J	0.774	0.0774	mg/Kg	2	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.379	J	0.774	0.00329	mg/Kg	2	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.203	J	0.774	0.0774	mg/Kg	2	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.105	J	0.774	0.0774	mg/Kg	2	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.620	J B	0.774	0.235	mg/Kg	2	☼	8270E	Total/NA
Caprolactam	0.244	J *+	0.774	0.0774	mg/Kg	2	☼	8270E	Total/NA
Chrysene	0.259	J	0.774	0.0774	mg/Kg	2	☼	8270E	Total/NA
Fluoranthene	0.496	J	0.774	0.0774	mg/Kg	2	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.192	J	0.774	0.0774	mg/Kg	2	☼	8270E	Total/NA
Phenanthrene	0.234	J	0.774	0.0774	mg/Kg	2	☼	8270E	Total/NA
Pyrene	0.471	J	0.774	0.0774	mg/Kg	2	☼	8270E	Total/NA
Nitrate as N	1.89	J	3.44	0.998	mg/Kg	1	☼	9056A	Soluble
Sulfate	33.3		13.8	13.5	mg/Kg	1	☼	9056A	Soluble
Antimony	0.201	J B	0.797	0.182	mg/Kg	5	☼	6020B	Total/NA
Arsenic	0.945		0.478	0.0427	mg/Kg	5	☼	6020B	Total/NA
Barium	24.3		1.99	0.0113	mg/Kg	5	☼	6020B	Total/NA
Beryllium	0.125	J	0.399	0.0279	mg/Kg	5	☼	6020B	Total/NA
Cadmium	0.0786	J B	0.399	0.0130	mg/Kg	5	☼	6020B	Total/NA
Chromium	7.81		0.797	0.164	mg/Kg	5	☼	6020B	Total/NA
Cobalt	6.54		0.598	0.0226	mg/Kg	5	☼	6020B	Total/NA
Copper	13.3	B	0.399	0.0415	mg/Kg	5	☼	6020B	Total/NA
Lead	20.9	B	0.399	0.0470	mg/Kg	5	☼	6020B	Total/NA
Manganese	153		0.797	0.0490	mg/Kg	5	☼	6020B	Total/NA
Nickel	24.6		0.797	0.0209	mg/Kg	5	☼	6020B	Total/NA
Selenium	0.142	J	1.99	0.142	mg/Kg	5	☼	6020B	Total/NA
Silver	0.0141	J B	0.199	0.00231	mg/Kg	5	☼	6020B	Total/NA
Vanadium	23.3		0.797	0.100	mg/Kg	5	☼	6020B	Total/NA
Zinc	67.0		1.99	1.65	mg/Kg	5	☼	6020B	Total/NA
Mercury	0.0254	J	0.132	0.0193	mg/Kg	1	☼	7471B	Total/NA
Cr (VI)	0.258	J	1.39	0.139	mg/Kg	1	☼	7199	Total/NA

Client Sample ID: SED-4 — Lab Sample ID: 752-38116-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0135	J	0.0255	0.0123	mg/Kg	1	☼	8260D	Total/NA
Anthracene	0.240	J	0.703	0.0703	mg/Kg	2	☼	8270E	Total/NA
Benzo[a]anthracene	1.49		0.703	0.0703	mg/Kg	2	☼	8270E	Total/NA
Benzo[a]pyrene	1.30		0.703	0.0703	mg/Kg	2	☼	8270E	Total/NA
Benzo[b]fluoranthene	1.84		0.703	0.00298	mg/Kg	2	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.882		0.703	0.0703	mg/Kg	2	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.494	J	0.703	0.0703	mg/Kg	2	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.495	J B	0.703	0.213	mg/Kg	2	☼	8270E	Total/NA
Carbazole	0.178	J	0.703	0.0703	mg/Kg	2	☼	8270E	Total/NA
Chrysene	1.50		0.703	0.0703	mg/Kg	2	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.209	J	0.703	0.0703	mg/Kg	2	☼	8270E	Total/NA
Fluoranthene	3.56		0.703	0.0703	mg/Kg	2	☼	8270E	Total/NA
Fluorene	0.0751	J	0.703	0.0703	mg/Kg	2	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.845		0.703	0.0703	mg/Kg	2	☼	8270E	Total/NA
Phenanthrene	1.95		0.703	0.0703	mg/Kg	2	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SED-4 (Continued) — Lab Sample ID: 752-38116-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Pyrene	3.38		0.703	0.0703	mg/Kg	2	☼	8270E	Total/NA
Nitrate as N	1.86	J	3.00	0.870	mg/Kg	1	☼	9056A	Soluble
Sulfate	21.2		12.0	11.8	mg/Kg	1	☼	9056A	Soluble
Arsenic	0.780		0.456	0.0407	mg/Kg	5	☼	6020B	Total/NA
Barium	37.7		1.90	0.0108	mg/Kg	5	☼	6020B	Total/NA
Beryllium	0.114	J	0.380	0.0266	mg/Kg	5	☼	6020B	Total/NA
Cadmium	0.0608	J B	0.380	0.0124	mg/Kg	5	☼	6020B	Total/NA
Chromium	7.40		0.760	0.157	mg/Kg	5	☼	6020B	Total/NA
Cobalt	4.67		0.570	0.0215	mg/Kg	5	☼	6020B	Total/NA
Copper	9.76	B	0.380	0.0395	mg/Kg	5	☼	6020B	Total/NA
Lead	16.2	B	0.380	0.0448	mg/Kg	5	☼	6020B	Total/NA
Manganese	119		0.760	0.0467	mg/Kg	5	☼	6020B	Total/NA
Nickel	14.7		0.760	0.0199	mg/Kg	5	☼	6020B	Total/NA
Silver	0.0128	J B	0.190	0.00220	mg/Kg	5	☼	6020B	Total/NA
Vanadium	13.2		0.760	0.0954	mg/Kg	5	☼	6020B	Total/NA
Zinc	43.6		1.90	1.58	mg/Kg	5	☼	6020B	Total/NA

Client Sample ID: SED-5 — Lab Sample ID: 752-38116-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0313		0.0281	0.0135	mg/Kg	1	☼	8260D	Total/NA
Carbon disulfide	0.00292	J	0.00561	0.00284	mg/Kg	1	☼	8260D	Total/NA
Benzo[b]fluoranthene	0.0748	J	0.768	0.00326	mg/Kg	2	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.591	J B	0.768	0.233	mg/Kg	2	☼	8270E	Total/NA
Caprolactam	0.282	J *+	0.768	0.0768	mg/Kg	2	☼	8270E	Total/NA
Nitrate as N	1.41	J	3.22	0.935	mg/Kg	1	☼	9056A	Soluble
Sulfate	15.5		12.9	12.6	mg/Kg	1	☼	9056A	Soluble
Arsenic	0.544		0.475	0.0423	mg/Kg	5	☼	6020B	Total/NA
Barium	15.8		1.98	0.0112	mg/Kg	5	☼	6020B	Total/NA
Beryllium	0.117	J	0.396	0.0277	mg/Kg	5	☼	6020B	Total/NA
Cadmium	0.0842	J B	0.396	0.0129	mg/Kg	5	☼	6020B	Total/NA
Chromium	5.37		0.791	0.163	mg/Kg	5	☼	6020B	Total/NA
Cobalt	4.10		0.593	0.0224	mg/Kg	5	☼	6020B	Total/NA
Copper	11.0	B	0.396	0.0411	mg/Kg	5	☼	6020B	Total/NA
Lead	11.9	B	0.396	0.0467	mg/Kg	5	☼	6020B	Total/NA
Manganese	105		0.791	0.0487	mg/Kg	5	☼	6020B	Total/NA
Nickel	11.9		0.791	0.0207	mg/Kg	5	☼	6020B	Total/NA
Selenium	0.149	J	1.98	0.140	mg/Kg	5	☼	6020B	Total/NA
Silver	0.00929	J B	0.198	0.00229	mg/Kg	5	☼	6020B	Total/NA
Vanadium	9.94		0.791	0.0993	mg/Kg	5	☼	6020B	Total/NA
Zinc	48.4		1.98	1.64	mg/Kg	5	☼	6020B	Total/NA

Client Sample ID: SED-6 — Lab Sample ID: 752-38116-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0586		0.0429	0.0206	mg/Kg	1	☼	8260D	Total/NA
Benzo[a]anthracene	0.0583	J	0.427	0.0427	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.0726	J	0.427	0.0427	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.121	J	0.427	0.00181	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.0720	J	0.427	0.0427	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.304	J B	0.427	0.129	mg/Kg	1	☼	8270E	Total/NA
Caprolactam	0.186	J *+	0.427	0.0427	mg/Kg	1	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SED-6 (Continued)

Lab Sample ID: 752-38116-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chrysene	0.0755	J	0.427	0.0427	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.124	J	0.427	0.0427	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.0657	J	0.427	0.0427	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.121	J	0.427	0.0427	mg/Kg	1	☼	8270E	Total/NA
Nitrate as N	1.62	J	3.37	0.978	mg/Kg	1	☼	9056A	Soluble
Sulfate	27.8		13.5	13.2	mg/Kg	1	☼	9056A	Soluble
Arsenic	0.976		0.553	0.0493	mg/Kg	5	☼	6020B	Total/NA
Barium	19.1		2.31	0.0130	mg/Kg	5	☼	6020B	Total/NA
Beryllium	0.103	J	0.461	0.0323	mg/Kg	5	☼	6020B	Total/NA
Cadmium	0.0924	J B	0.461	0.0150	mg/Kg	5	☼	6020B	Total/NA
Chromium	7.22		0.922	0.190	mg/Kg	5	☼	6020B	Total/NA
Cobalt	5.15		0.692	0.0261	mg/Kg	5	☼	6020B	Total/NA
Copper	9.53	B	0.461	0.0479	mg/Kg	5	☼	6020B	Total/NA
Lead	12.3	B	0.461	0.0544	mg/Kg	5	☼	6020B	Total/NA
Manganese	122		0.922	0.0567	mg/Kg	5	☼	6020B	Total/NA
Nickel	15.3		0.922	0.0241	mg/Kg	5	☼	6020B	Total/NA
Silver	0.00575	J B	0.231	0.00267	mg/Kg	5	☼	6020B	Total/NA
Vanadium	15.1		0.922	0.116	mg/Kg	5	☼	6020B	Total/NA
Zinc	53.6		2.31	1.91	mg/Kg	5	☼	6020B	Total/NA
Mercury	0.0274	J	0.121	0.0176	mg/Kg	1	☼	7471B	Total/NA
Cr (VI)	0.234	J	1.32	0.132	mg/Kg	1	☼	7199	Total/NA
Ammonia (as N)	0.870	J	1.36	0.435	mg/Kg	1	☼	350.1	Soluble

Client Sample ID: SED-7

Lab Sample ID: 752-38116-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0226	J	0.0253	0.0121	mg/Kg	1	☼	8260D	Total/NA
Carbon disulfide	0.00329	J	0.00505	0.00256	mg/Kg	1	☼	8260D	Total/NA
Anthracene	0.140	J	0.761	0.0761	mg/Kg	2	☼	8270E	Total/NA
Benzo[a]anthracene	0.404	J	0.761	0.0761	mg/Kg	2	☼	8270E	Total/NA
Benzo[a]pyrene	0.375	J	0.761	0.0761	mg/Kg	2	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.534	J	0.761	0.00323	mg/Kg	2	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.298	J	0.761	0.0761	mg/Kg	2	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.161	J	0.761	0.0761	mg/Kg	2	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.569	J B	0.761	0.231	mg/Kg	2	☼	8270E	Total/NA
Chrysene	0.393	J	0.761	0.0761	mg/Kg	2	☼	8270E	Total/NA
Fluoranthene	0.970		0.761	0.0761	mg/Kg	2	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.268	J	0.761	0.0761	mg/Kg	2	☼	8270E	Total/NA
Phenanthrene	0.587	J	0.761	0.0761	mg/Kg	2	☼	8270E	Total/NA
Pyrene	0.827		0.761	0.0761	mg/Kg	2	☼	8270E	Total/NA
Nitrate as N	1.69	J	3.09	0.896	mg/Kg	1	☼	9056A	Soluble
Sulfate	16.1		12.4	12.1	mg/Kg	1	☼	9056A	Soluble
Antimony	0.206	J B	0.848	0.194	mg/Kg	5	☼	6020B	Total/NA
Arsenic	0.787		0.509	0.0454	mg/Kg	5	☼	6020B	Total/NA
Barium	26.5		2.12	0.0120	mg/Kg	5	☼	6020B	Total/NA
Beryllium	0.172	J	0.424	0.0297	mg/Kg	5	☼	6020B	Total/NA
Cadmium	0.102	J B	0.424	0.0138	mg/Kg	5	☼	6020B	Total/NA
Chromium	4.87		0.848	0.175	mg/Kg	5	☼	6020B	Total/NA
Cobalt	4.89		0.636	0.0240	mg/Kg	5	☼	6020B	Total/NA
Copper	13.5	B	0.424	0.0441	mg/Kg	5	☼	6020B	Total/NA
Lead	21.4	B	0.424	0.0500	mg/Kg	5	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SED-7 (Continued) — Lab Sample ID: 752-38116-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	115		0.848	0.0522	mg/Kg	5	☼	6020B	Total/NA
Nickel	15.1		0.848	0.0222	mg/Kg	5	☼	6020B	Total/NA
Selenium	0.168	J	2.12	0.151	mg/Kg	5	☼	6020B	Total/NA
Silver	0.0135	J B	0.212	0.00246	mg/Kg	5	☼	6020B	Total/NA
Vanadium	12.2		0.848	0.106	mg/Kg	5	☼	6020B	Total/NA
Zinc	65.1		2.12	1.76	mg/Kg	5	☼	6020B	Total/NA

Client Sample ID: SED-8 — Lab Sample ID: 752-38116-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0218	J	0.0269	0.0129	mg/Kg	1	☼	8260D	Total/NA
Benzene	0.00174	J	0.00538	0.000720	mg/Kg	1	☼	8260D	Total/NA
Methylene Chloride	0.0189		0.0161	0.0108	mg/Kg	1	☼	8260D	Total/NA
Ethyl acetate	0.00791	J	0.0215	0.00538	mg/Kg	1	☼	8260D	Total/NA
Benzo[a]anthracene	0.220	J	0.806	0.0806	mg/Kg	2	☼	8270E	Total/NA
Benzo[a]pyrene	0.214	J	0.806	0.0806	mg/Kg	2	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.280	J	0.806	0.00342	mg/Kg	2	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.147	J	0.806	0.0806	mg/Kg	2	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.0928	J	0.806	0.0806	mg/Kg	2	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.591	J B	0.806	0.244	mg/Kg	2	☼	8270E	Total/NA
Chrysene	0.179	J	0.806	0.0806	mg/Kg	2	☼	8270E	Total/NA
Fluoranthene	0.486	J	0.806	0.0806	mg/Kg	2	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.142	J	0.806	0.0806	mg/Kg	2	☼	8270E	Total/NA
Phenanthrene	0.101	J	0.806	0.0806	mg/Kg	2	☼	8270E	Total/NA
Pyrene	0.615	J	0.806	0.0806	mg/Kg	2	☼	8270E	Total/NA
Nitrate as N	2.03	J	3.16	0.916	mg/Kg	1	☼	9056A	Soluble
Sulfate	51.0		12.6	12.4	mg/Kg	1	☼	9056A	Soluble
Arsenic	1.23		0.469	0.0418	mg/Kg	5	☼	6020B	Total/NA
Barium	36.6		1.95	0.0111	mg/Kg	5	☼	6020B	Total/NA
Beryllium	0.164	J	0.391	0.0274	mg/Kg	5	☼	6020B	Total/NA
Cadmium	0.104	J B	0.391	0.0127	mg/Kg	5	☼	6020B	Total/NA
Chromium	14.9		0.782	0.161	mg/Kg	5	☼	6020B	Total/NA
Cobalt	5.61		0.586	0.0221	mg/Kg	5	☼	6020B	Total/NA
Copper	15.6	B	0.391	0.0407	mg/Kg	5	☼	6020B	Total/NA
Lead	14.8	B	0.391	0.0461	mg/Kg	5	☼	6020B	Total/NA
Manganese	129		0.782	0.0481	mg/Kg	5	☼	6020B	Total/NA
Nickel	14.3		0.782	0.0204	mg/Kg	5	☼	6020B	Total/NA
Selenium	0.151	J	1.95	0.139	mg/Kg	5	☼	6020B	Total/NA
Silver	0.00754	J B	0.195	0.00227	mg/Kg	5	☼	6020B	Total/NA
Vanadium	22.1		0.782	0.0981	mg/Kg	5	☼	6020B	Total/NA
Zinc	55.4		1.95	1.62	mg/Kg	5	☼	6020B	Total/NA

Client Sample ID: SED-9 — Lab Sample ID: 752-38116-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0248	J	0.0257	0.0123	mg/Kg	1	☼	8260D	Total/NA
2-Methylnaphthalene	0.0850	J	0.805	0.0805	mg/Kg	2	☼	8270E	Total/NA
Benzo[a]anthracene	0.310	J	0.805	0.0805	mg/Kg	2	☼	8270E	Total/NA
Benzo[a]pyrene	0.314	J	0.805	0.0805	mg/Kg	2	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.452	J	0.805	0.00341	mg/Kg	2	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.218	J	0.805	0.0805	mg/Kg	2	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.143	J	0.805	0.0805	mg/Kg	2	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SED-9 (Continued) — Lab Sample ID: 752-38116-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	0.638	J B	0.805	0.244	mg/Kg	2	☼	8270E	Total/NA
Butyl benzyl phthalate	0.676	J	0.805	0.0805	mg/Kg	2	☼	8270E	Total/NA
Chrysene	0.341	J	0.805	0.0805	mg/Kg	2	☼	8270E	Total/NA
Fluoranthene	0.755	J	0.805	0.0805	mg/Kg	2	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.220	J	0.805	0.0805	mg/Kg	2	☼	8270E	Total/NA
Naphthalene	0.286	J	0.805	0.0805	mg/Kg	2	☼	8270E	Total/NA
Phenanthrene	0.301	J	0.805	0.0805	mg/Kg	2	☼	8270E	Total/NA
Pyrene	0.640	J	0.805	0.0805	mg/Kg	2	☼	8270E	Total/NA
Nitrate as N	1.36	J	3.21	0.930	mg/Kg	1	☼	9056A	Soluble
Sulfate	30.0		12.8	12.6	mg/Kg	1	☼	9056A	Soluble
Antimony	0.217	J B	0.781	0.179	mg/Kg	5	☼	6020B	Total/NA
Arsenic	0.839		0.469	0.0418	mg/Kg	5	☼	6020B	Total/NA
Barium	15.4		1.95	0.0111	mg/Kg	5	☼	6020B	Total/NA
Beryllium	0.139	J	0.391	0.0274	mg/Kg	5	☼	6020B	Total/NA
Cadmium	0.108	J B	0.391	0.0127	mg/Kg	5	☼	6020B	Total/NA
Chromium	6.76		0.781	0.161	mg/Kg	5	☼	6020B	Total/NA
Cobalt	3.47		0.586	0.0221	mg/Kg	5	☼	6020B	Total/NA
Copper	10.2	B	0.391	0.0406	mg/Kg	5	☼	6020B	Total/NA
Lead	13.4	B	0.391	0.0461	mg/Kg	5	☼	6020B	Total/NA
Manganese	87.4		0.781	0.0481	mg/Kg	5	☼	6020B	Total/NA
Nickel	9.73		0.781	0.0204	mg/Kg	5	☼	6020B	Total/NA
Selenium	0.384	J	1.95	0.139	mg/Kg	5	☼	6020B	Total/NA
Silver	0.0146	J B	0.195	0.00227	mg/Kg	5	☼	6020B	Total/NA
Thallium	0.0393	J B	0.547	0.0329	mg/Kg	5	☼	6020B	Total/NA
Vanadium	11.0		0.781	0.0981	mg/Kg	5	☼	6020B	Total/NA
Zinc	49.8		1.95	1.62	mg/Kg	5	☼	6020B	Total/NA
Cr (VI)	0.131	J	1.22	0.122	mg/Kg	1	☼	7199	Total/NA

Client Sample ID: 101425-Dup-SED — Lab Sample ID: 752-38116-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0248		0.0240	0.0115	mg/Kg	1	☼	8260D	Total/NA
Carbon disulfide	0.00327	J	0.00480	0.00243	mg/Kg	1	☼	8260D	Total/NA
Benzo[a]anthracene	0.379	J	0.703	0.0703	mg/Kg	2	☼	8270E	Total/NA
Benzo[a]pyrene	0.476	J	0.703	0.0703	mg/Kg	2	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.736		0.703	0.00298	mg/Kg	2	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.419	J	0.703	0.0703	mg/Kg	2	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.221	J	0.703	0.0703	mg/Kg	2	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.534	J B	0.703	0.213	mg/Kg	2	☼	8270E	Total/NA
Chrysene	0.507	J	0.703	0.0703	mg/Kg	2	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.0763	J	0.703	0.0703	mg/Kg	2	☼	8270E	Total/NA
Fluoranthene	1.30		0.703	0.0703	mg/Kg	2	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.384	J	0.703	0.0703	mg/Kg	2	☼	8270E	Total/NA
Phenanthrene	0.581	J	0.703	0.0703	mg/Kg	2	☼	8270E	Total/NA
Pyrene	1.03		0.703	0.0703	mg/Kg	2	☼	8270E	Total/NA
Nitrate as N	1.34	J	3.03	0.878	mg/Kg	1	☼	9056A	Soluble
Sulfate	19.7		12.1	11.9	mg/Kg	1	☼	9056A	Soluble
Arsenic	0.985		0.539	0.0480	mg/Kg	5	☼	6020B	Total/NA
Barium	19.4		2.24	0.0127	mg/Kg	5	☼	6020B	Total/NA
Beryllium	0.156	J	0.449	0.0315	mg/Kg	5	☼	6020B	Total/NA
Cadmium	0.118	J B	0.449	0.0146	mg/Kg	5	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 101425-Dup-SED (Continued)
Lab Sample ID: 752-38116-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	5.43		0.898	0.185	mg/Kg	5	☼	6020B	Total/NA
Cobalt	3.68		0.673	0.0254	mg/Kg	5	☼	6020B	Total/NA
Copper	14.9	B	0.449	0.0467	mg/Kg	5	☼	6020B	Total/NA
Lead	23.5	B	0.449	0.0530	mg/Kg	5	☼	6020B	Total/NA
Manganese	97.1		0.898	0.0552	mg/Kg	5	☼	6020B	Total/NA
Nickel	11.7		0.898	0.0235	mg/Kg	5	☼	6020B	Total/NA
Selenium	0.205	J	2.24	0.159	mg/Kg	5	☼	6020B	Total/NA
Silver	0.0101	J B	0.224	0.00260	mg/Kg	5	☼	6020B	Total/NA
Thallium	0.0379	J B	0.628	0.0378	mg/Kg	5	☼	6020B	Total/NA
Vanadium	10.3		0.898	0.113	mg/Kg	5	☼	6020B	Total/NA
Zinc	50.9		2.24	1.86	mg/Kg	5	☼	6020B	Total/NA

Client Sample ID: Trip Blank
Lab Sample ID: 752-38116-11

No Detections.

This Detection Summary does not include radiochemical test results.

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38116-1

Client Sample ID: SED-1
Date Collected: 10/14/25 12:10
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38116-1
Matrix: Solid
Percent Solids: 81.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.0242**	**J**	0.0273	0.0131	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
Benzene	ND		0.00545	0.000731	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
Bromobenzene	ND		0.00545	0.00142	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
Chlorobromomethane	ND		0.00545	0.000883	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
Dichlorobromomethane	ND		0.00545	0.00100	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
Bromoform	ND		0.00545	0.00142	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
Bromomethane	ND		0.00545	0.00273	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
2-Butanone (MEK)	ND		0.0273	0.00654	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
n-Butylbenzene	ND		0.00545	0.00105	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
sec-Butylbenzene	ND		0.00545	0.00104	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
tert-Butylbenzene	ND		0.00545	0.00120	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
Carbon disulfide	**0.00409**	**J**	0.00545	0.00276	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
Carbon tetrachloride	ND		0.00545	0.00185	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
Chlorobenzene	ND		0.00545	0.00144	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
Chloroethane	ND		0.00545	0.00360	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
Chloroform	ND		0.00545	0.00148	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
Chloromethane	ND		0.00545	0.00241	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
2-Chlorotoluene	ND		0.00545	0.00181	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
4-Chlorotoluene	ND		0.00545	0.00107	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
Chlorodibromomethane	ND		0.00545	0.00131	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
1,2-Dibromo-3-Chloropropane	ND		0.00545	0.00360	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
Ethylene Dibromide	ND		0.00545	0.00109	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
Dibromomethane	ND		0.00545	0.000905	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
1,2-Dichlorobenzene	ND		0.00545	0.00173	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
1,3-Dichlorobenzene	ND		0.00545	0.00104	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
1,4-Dichlorobenzene	ND		0.00545	0.000938	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
trans-1,4-Dichloro-2-butene	ND		0.00545	0.00273	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
1,1-Dichloroethane	ND		0.00545	0.000905	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
1,2-Dichloroethane	ND		0.00545	0.00201	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
cis-1,2-Dichloroethene	ND		0.00545	0.000829	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
trans-1,2-Dichloroethene	ND		0.00545	0.00105	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
1,1-Dichloroethene	ND		0.00545	0.00229	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
1,2-Dichloropropane	ND		0.00545	0.000829	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
1,3-Dichloropropane	ND		0.00545	0.00109	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
2,2-Dichloropropane	ND		0.00545	0.00120	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
1,1-Dichloropropene	ND		0.00545	0.000905	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
cis-1,3-Dichloropropene	ND		0.00545	0.00131	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
trans-1,3-Dichloropropene	ND		0.00545	0.00120	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
Ethylbenzene	ND		0.00545	0.000665	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
Hexachlorobutadiene	ND		0.00545	0.00273	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
2-Hexanone	ND		0.0273	0.00545	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
Iodomethane	ND		0.00545	0.00371	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
Isopropylbenzene	ND		0.00545	0.000742	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
4-Isopropyltoluene	ND		0.00545	0.00109	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
Methylene Chloride	ND		0.0164	0.0109	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
4-Methyl-2-pentanone (MIBK)	ND		0.0273	0.0146	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
Methyl tert-butyl ether	ND		0.00545	0.00109	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
Naphthalene	ND		0.00545	0.00327	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
N-Propylbenzene	ND		0.00545	0.000981	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1

Client Sample ID: SED-1
Date Collected: 10/14/25 12:10
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38116-1
Matrix: Solid
Percent Solids: 81.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.00545	0.00109	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
1,1,1,2-Tetrachloroethane	ND		0.00545	0.00120	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
1,1,2,2-Tetrachloroethane	ND		0.00545	0.00188	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
Tetrachloroethene	ND		0.00545	0.00327	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
Toluene	ND		0.00545	0.00109	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
1,2,3-Trichlorobenzene	ND		0.00545	0.00120	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
1,2,4-Trichlorobenzene	ND		0.00545	0.00219	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
1,1,1-Trichloroethane	ND		0.00545	0.00120	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
1,1,2-Trichloroethane	ND		0.00545	0.00176	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
Trichloroethene	ND		0.00545	0.00109	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
Trichlorofluoromethane	ND		0.00545	0.00264	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
1,2,3-Trichloropropane	ND		0.00545	0.00227	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00545	0.00205	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
1,2,4-Trimethylbenzene	ND		0.00545	0.00109	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
1,3,5-Trimethylbenzene	ND		0.00545	0.000905	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
Vinyl acetate	ND	*+	0.0273	0.00696	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
Vinyl chloride	ND		0.00545	0.00238	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
o-Xylene	ND		0.00545	0.00327	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
m-Xylene & p-Xylene	ND		0.00545	0.00327	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
Xylenes, Total	ND		0.0109	0.00654	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
Isopropyl ether	ND	*+	0.00545	0.00150	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
Hexane	ND		0.00545	0.00284	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
n-Heptane	ND		0.00545	0.00315	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1
Ethyl acetate	ND		0.0218	0.00545	mg/Kg	☼	10/21/25 10:30	10/21/25 16:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*50 - 150*	*10/21/25 10:30*	*10/21/25 16:51*	*1*
Dibromofluoromethane	*106*		*50 - 150*	*10/21/25 10:30*	*10/21/25 16:51*	*1*
Toluene-d8 (Surr)	*99*		*50 - 150*	*10/21/25 10:30*	*10/21/25 16:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*127*		*50 - 150*	*10/21/25 10:30*	*10/21/25 16:51*	*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	ND		0.00727	0.00727	mg/Kg	☼	10/17/25 12:03	10/21/25 00:38	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*47*		*10 - 150*	*10/17/25 12:03*	*10/21/25 00:38*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.800	0.0233	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
2,4,5-Trichlorophenol	ND		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
2,4,6-Trichlorophenol	ND		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
2,4-Dichlorophenol	ND		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
2,4-Dimethylphenol	ND		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
2,4-Dinitrophenol	ND		2.40	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
2,4-Dinitrotoluene	ND		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
2,6-Dinitrotoluene	ND		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
2-Chloronaphthalene	ND		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
2-Chlorophenol	ND		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
2-Methylnaphthalene	ND		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2

Client Sample ID: SED-1
Date Collected: 10/14/25 12:10
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38116-1
Matrix: Solid
Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
2-Nitroaniline	ND		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
2-Nitrophenol	ND		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
3 & 4 Methylphenol	ND		1.60	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
3,3'-Dichlorobenzidine	ND		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
3-Nitroaniline	ND		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
4,6-Dinitro-2-methylphenol	ND		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
4-Bromophenyl phenyl ether	ND		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
4-Chloro-3-methylphenol	ND		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
4-Chloroaniline	ND		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
4-Chlorophenyl phenyl ether	ND		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
4-Nitroaniline	ND		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
4-Nitrophenol	ND		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
Acenaphthene	ND		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
Acenaphthylene	ND		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
Acetophenone	ND		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
Anthracene	**0.114**	**J**	0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
Atrazine	ND		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
Benzaldehyde	ND		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
Benzo[a]anthracene	**0.853**		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
Benzo[a]pyrene	**0.895**		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
Benzo[b]fluoranthene	**1.42**		0.800	0.00339	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
Benzo[g,h,i]perylene	**0.726**	**J**	0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
Benzo[k]fluoranthene	**0.400**	**J**	0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
bis (2-chloroisopropyl) ether	ND		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
Bis(2-chloroethoxy)methane	ND		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
Bis(2-chloroethyl)ether	ND		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
Bis(2-ethylhexyl) phthalate	**0.693**	**J B**	0.800	0.242	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
Butyl benzyl phthalate	ND		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
Caprolactam	ND	*+	0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
Carbazole	**0.113**	**J**	0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
Chrysene	**0.962**		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
Dibenz(a,h)anthracene	**0.150**	**J**	0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
Dibenzofuran	ND		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
Diethyl phthalate	ND		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
Dimethyl phthalate	ND		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
Di-n-butyl phthalate	ND		2.40	0.727	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
Di-n-octyl phthalate	ND		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
Fluoranthene	**2.13**		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/20/25 17:57	2
Fluorene	ND		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
Hexachlorobenzene	ND		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
Hexachlorobutadiene	ND		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
Hexachlorocyclopentadiene	ND		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
Hexachloroethane	ND		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
Indeno[1,2,3-cd]pyrene	**0.716**	**J**	0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
Isophorone	ND		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
Naphthalene	ND		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
Nitrobenzene	ND		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
N-Nitrosodi-n-propylamine	ND		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2

Client Sample ID: SED-1
Date Collected: 10/14/25 12:10
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38116-1
Matrix: Solid
Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
Pentachlorophenol	ND		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
Phenanthrene	**0.877**		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
Phenol	ND		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/18/25 23:11	2
Pyrene	**1.75**		0.800	0.0800	mg/Kg	☼	10/17/25 09:18	10/20/25 17:57	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*71*		*40 - 140*	*10/17/25 09:18*	*10/18/25 23:11*	*2*
2-Fluorobiphenyl (Surr)	*86*		*40 - 140*	*10/17/25 09:18*	*10/18/25 23:11*	*2*
2-Fluorophenol (Surr)	*86*		*40 - 140*	*10/17/25 09:18*	*10/18/25 23:11*	*2*
Nitrobenzene-d5 (Surr)	*93*		*40 - 140*	*10/17/25 09:18*	*10/18/25 23:11*	*2*
Phenol-d5 (Surr)	*78*		*40 - 140*	*10/17/25 09:18*	*10/18/25 23:11*	*2*
Terphenyl-d14 (Surr)	*93*		*40 - 140*	*10/17/25 09:18*	*10/18/25 23:11*	*2*

Method: SW846 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**7.21**		3.06	0.886	mg/Kg	☼		10/17/25 23:52	1
Sulfate	**17.2**		12.2	12.0	mg/Kg	☼		10/17/25 23:52	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.692	0.158	mg/Kg	☼	10/20/25 15:15	10/24/25 04:56	5
Arsenic	ND		0.415	0.0370	mg/Kg	☼	10/20/25 15:15	10/24/25 04:56	5
Barium	ND		1.73	0.00979	mg/Kg	☼	10/20/25 15:15	10/24/25 04:56	5
Beryllium	ND		0.346	0.0243	mg/Kg	☼	10/20/25 15:15	10/24/25 04:56	5
Cadmium	ND		0.346	0.0113	mg/Kg	☼	10/20/25 15:15	10/24/25 04:56	5
Chromium	ND		0.692	0.143	mg/Kg	☼	10/20/25 15:15	10/24/25 04:56	5
Cobalt	ND		0.519	0.0196	mg/Kg	☼	10/20/25 15:15	10/24/25 04:56	5
Copper	ND		0.346	0.0360	mg/Kg	☼	10/20/25 15:15	10/24/25 04:56	5
Lead	ND		0.346	0.0408	mg/Kg	☼	10/20/25 15:15	10/24/25 04:56	5
Manganese	ND		0.692	0.0426	mg/Kg	☼	10/20/25 15:15	10/24/25 04:56	5
Nickel	ND		0.692	0.0181	mg/Kg	☼	10/20/25 15:15	10/24/25 04:56	5
Selenium	**0.405**	**J**	1.73	0.123	mg/Kg	☼	10/20/25 15:15	10/24/25 04:56	5
Silver	ND		0.173	0.00201	mg/Kg	☼	10/20/25 15:15	10/24/25 04:56	5
Thallium	ND		0.485	0.0292	mg/Kg	☼	10/20/25 15:15	10/24/25 04:56	5
Vanadium	ND		0.692	0.0869	mg/Kg	☼	10/20/25 15:15	10/24/25 04:56	5
Zinc	ND		1.73	1.44	mg/Kg	☼	10/20/25 15:15	10/24/25 04:56	5

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.110	0.0161	mg/Kg	☼	10/23/25 08:13	10/23/25 12:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7199)	ND		1.13	0.113	mg/Kg	☼	10/17/25 09:31	10/22/25 17:46	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		1.23	0.393	mg/Kg	☼		10/23/25 11:28	1

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38116-1

Client Sample ID: SED-2
Date Collected: 10/14/25 12:45
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38116-2
Matrix: Solid
Percent Solids: 78.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.0368**		0.0259	0.0125	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
Benzene	ND		0.00519	0.000695	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
Bromobenzene	ND		0.00519	0.00135	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
Chlorobromomethane	ND		0.00519	0.000840	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
Dichlorobromomethane	ND		0.00519	0.000955	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
Bromoform	ND		0.00519	0.00135	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
Bromomethane	ND		0.00519	0.00259	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
2-Butanone (MEK)	ND		0.0259	0.00623	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
n-Butylbenzene	ND		0.00519	0.000996	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
sec-Butylbenzene	ND		0.00519	0.000986	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
tert-Butylbenzene	ND		0.00519	0.00114	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
Carbon disulfide	ND		0.00519	0.00263	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
Carbon tetrachloride	ND		0.00519	0.00176	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
Chlorobenzene	ND		0.00519	0.00137	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
Chloroethane	ND		0.00519	0.00342	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
Chloroform	ND		0.00519	0.00141	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
Chloromethane	ND		0.00519	0.00229	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
2-Chlorotoluene	ND		0.00519	0.00172	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
4-Chlorotoluene	ND		0.00519	0.00102	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
Chlorodibromomethane	ND		0.00519	0.00125	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
1,2-Dibromo-3-Chloropropane	ND		0.00519	0.00342	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
Ethylene Dibromide	ND		0.00519	0.00104	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
Dibromomethane	ND		0.00519	0.000861	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
1,2-Dichlorobenzene	ND		0.00519	0.00165	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
1,3-Dichlorobenzene	ND		0.00519	0.000986	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
1,4-Dichlorobenzene	ND		0.00519	0.000892	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
trans-1,4-Dichloro-2-butene	ND		0.00519	0.00259	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
1,1-Dichloroethane	ND		0.00519	0.000861	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
1,2-Dichloroethane	ND		0.00519	0.00191	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
cis-1,2-Dichloroethene	ND		0.00519	0.000789	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
trans-1,2-Dichloroethene	ND		0.00519	0.000996	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
1,1-Dichloroethene	ND		0.00519	0.00218	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
1,2-Dichloropropane	ND		0.00519	0.000789	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
1,3-Dichloropropane	ND		0.00519	0.00104	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
2,2-Dichloropropane	ND		0.00519	0.00114	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
1,1-Dichloropropene	ND		0.00519	0.000861	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
cis-1,3-Dichloropropene	ND		0.00519	0.00125	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
trans-1,3-Dichloropropene	ND		0.00519	0.00114	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
Ethylbenzene	ND		0.00519	0.000633	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
Hexachlorobutadiene	ND		0.00519	0.00259	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
2-Hexanone	ND		0.0259	0.00519	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
Iodomethane	ND		0.00519	0.00353	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
Isopropylbenzene	ND		0.00519	0.000706	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
4-Isopropyltoluene	ND		0.00519	0.00104	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
Methylene Chloride	ND		0.0156	0.0104	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
4-Methyl-2-pentanone (MIBK)	ND		0.0259	0.0139	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
Methyl tert-butyl ether	ND		0.00519	0.00104	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
Naphthalene	ND		0.00519	0.00311	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
N-Propylbenzene	ND		0.00519	0.000934	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1

Client Sample ID: SED-2
Date Collected: 10/14/25 12:45
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38116-2
Matrix: Solid
Percent Solids: 78.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.00519	0.00104	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
1,1,1,2-Tetrachloroethane	ND		0.00519	0.00114	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
1,1,2,2-Tetrachloroethane	ND		0.00519	0.00178	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
Tetrachloroethene	ND		0.00519	0.00311	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
Toluene	ND		0.00519	0.00104	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
1,2,3-Trichlorobenzene	ND		0.00519	0.00114	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
1,2,4-Trichlorobenzene	ND		0.00519	0.00209	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
1,1,1-Trichloroethane	ND		0.00519	0.00114	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
1,1,2-Trichloroethane	ND		0.00519	0.00167	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
Trichloroethene	ND		0.00519	0.00104	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
Trichlorofluoromethane	ND		0.00519	0.00251	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
1,2,3-Trichloropropane	ND		0.00519	0.00216	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00519	0.00195	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
1,2,4-Trimethylbenzene	ND		0.00519	0.00104	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
1,3,5-Trimethylbenzene	ND		0.00519	0.000861	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
Vinyl acetate	ND	*+	0.0259	0.00662	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
Vinyl chloride	ND		0.00519	0.00226	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
o-Xylene	ND		0.00519	0.00311	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
m-Xylene & p-Xylene	ND		0.00519	0.00311	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
Xylenes, Total	ND		0.0104	0.00623	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
Isopropyl ether	ND	*+	0.00519	0.00143	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
Hexane	ND		0.00519	0.00270	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
n-Heptane	ND		0.00519	0.00300	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1
Ethyl acetate	ND		0.0208	0.00519	mg/Kg	☼	10/21/25 10:30	10/21/25 17:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*50 - 150*	*10/21/25 10:30*	*10/21/25 17:11*	*1*
Dibromofluoromethane	*110*		*50 - 150*	*10/21/25 10:30*	*10/21/25 17:11*	*1*
Toluene-d8 (Surr)	*99*		*50 - 150*	*10/21/25 10:30*	*10/21/25 17:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*127*		*50 - 150*	*10/21/25 10:30*	*10/21/25 17:11*	*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		0.00749	0.00749	mg/Kg	☼	10/17/25 12:03	10/21/25 00:59	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*51*		*10 - 150*	*10/17/25 12:03*	*10/21/25 00:59*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.758	0.0220	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
2,4,5-Trichlorophenol	ND		0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
2,4,6-Trichlorophenol	ND		0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
2,4-Dichlorophenol	ND		0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
2,4-Dimethylphenol	ND		0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
2,4-Dinitrophenol	ND		2.27	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
2,4-Dinitrotoluene	ND		0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
2,6-Dinitrotoluene	ND		0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
2-Chloronaphthalene	ND		0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
2-Chlorophenol	ND		0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
2-Methylnaphthalene	ND		0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2

Client Sample ID: SED-2
Date Collected: 10/14/25 12:45
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38116-2
Matrix: Solid
Percent Solids: 78.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
2-Nitroaniline	ND		0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
2-Nitrophenol	ND		0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
3 & 4 Methylphenol	ND		1.52	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
3,3'-Dichlorobenzidine	ND		0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
3-Nitroaniline	ND		0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
4,6-Dinitro-2-methylphenol	ND		0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
4-Bromophenyl phenyl ether	ND		0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
4-Chloro-3-methylphenol	ND		0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
4-Chloroaniline	ND		0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
4-Chlorophenyl phenyl ether	ND		0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
4-Nitroaniline	ND		0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
4-Nitrophenol	ND		0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
Acenaphthene	ND		0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
Acenaphthylene	ND		0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
Acetophenone	ND		0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
Anthracene	ND		0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
Atrazine	ND		0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
Benzaldehyde	ND		0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
Benzo[a]anthracene	**0.147**	**J**	0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
Benzo[a]pyrene	**0.147**	**J**	0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
Benzo[b]fluoranthene	**0.225**	**J**	0.758	0.00321	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
Benzo[g,h,i]perylene	**0.110**	**J**	0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
Benzo[k]fluoranthene	ND		0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
bis (2-chloroisopropyl) ether	ND		0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
Bis(2-chloroethoxy)methane	ND		0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
Bis(2-chloroethyl)ether	ND		0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
Bis(2-ethylhexyl) phthalate	**0.548**	**J B**	0.758	0.230	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
Butyl benzyl phthalate	ND		0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
Caprolactam	ND	*+	0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
Carbazole	ND		0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
Chrysene	**0.151**	**J**	0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
Dibenz(a,h)anthracene	ND		0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
Dibenzofuran	ND		0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
Diethyl phthalate	ND		0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
Dimethyl phthalate	ND		0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
Di-n-butyl phthalate	ND		2.27	0.689	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
Di-n-octyl phthalate	ND		0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
Fluoranthene	**0.311**	**J**	0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/21/25 18:12	2
Fluorene	ND		0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
Hexachlorobenzene	ND		0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
Hexachlorobutadiene	ND		0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
Hexachlorocyclopentadiene	ND		0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
Hexachloroethane	ND		0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
Indeno[1,2,3-cd]pyrene	**0.107**	**J**	0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
Isophorone	ND		0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
Naphthalene	ND		0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
Nitrobenzene	ND		0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
N-Nitrosodi-n-propylamine	ND		0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2

Client Sample ID: SED-2
Date Collected: 10/14/25 12:45
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38116-2
Matrix: Solid
Percent Solids: 78.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
Pentachlorophenol	ND		0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
Phenanthrene	**0.117**	**J**	0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
Phenol	ND		0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/18/25 23:42	2
Pyrene	**0.346**	**J**	0.758	0.0758	mg/Kg	☼	10/17/25 09:18	10/22/25 11:10	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*75*		*40 - 140*	*10/17/25 09:18*	*10/18/25 23:42*	*2*
2-Fluorobiphenyl (Surr)	*89*		*40 - 140*	*10/17/25 09:18*	*10/18/25 23:42*	*2*
2-Fluorophenol (Surr)	*91*		*40 - 140*	*10/17/25 09:18*	*10/18/25 23:42*	*2*
Nitrobenzene-d5 (Surr)	*96*		*40 - 140*	*10/17/25 09:18*	*10/18/25 23:42*	*2*
Phenol-d5 (Surr)	*86*		*40 - 140*	*10/17/25 09:18*	*10/18/25 23:42*	*2*
Terphenyl-d14 (Surr)	*92*		*40 - 140*	*10/17/25 09:18*	*10/18/25 23:42*	*2*

Method: SW846 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**1.79**	**J**	3.18	0.922	mg/Kg	☼		10/18/25 00:38	1
Sulfate	**13.9**		12.7	12.5	mg/Kg	☼		10/18/25 00:38	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.206**	**J B**	0.727	0.166	mg/Kg	☼	10/20/25 15:15	10/24/25 04:59	5
Arsenic	**1.03**		0.436	0.0389	mg/Kg	☼	10/20/25 15:15	10/24/25 04:59	5
Barium	**32.5**		1.82	0.0103	mg/Kg	☼	10/20/25 15:15	10/24/25 04:59	5
Beryllium	**0.147**	**J**	0.363	0.0255	mg/Kg	☼	10/20/25 15:15	10/24/25 04:59	5
Cadmium	**0.116**	**J B**	0.363	0.0118	mg/Kg	☼	10/20/25 15:15	10/24/25 04:59	5
Chromium	**8.86**		0.727	0.150	mg/Kg	☼	10/20/25 15:15	10/24/25 04:59	5
Cobalt	**5.92**		0.545	0.0206	mg/Kg	☼	10/20/25 15:15	10/24/25 04:59	5
Copper	**11.4**	**B**	0.363	0.0378	mg/Kg	☼	10/20/25 15:15	10/24/25 04:59	5
Lead	**28.1**	**B**	0.363	0.0429	mg/Kg	☼	10/20/25 15:15	10/24/25 04:59	5
Manganese	**355**		0.727	0.0447	mg/Kg	☼	10/20/25 15:15	10/24/25 04:59	5
Nickel	**16.7**		0.727	0.0190	mg/Kg	☼	10/20/25 15:15	10/24/25 04:59	5
Selenium	**0.159**	**J**	1.82	0.129	mg/Kg	☼	10/20/25 15:15	10/24/25 04:59	5
Silver	**0.0102**	**J B**	0.182	0.00211	mg/Kg	☼	10/20/25 15:15	10/24/25 04:59	5
Thallium	ND		0.509	0.0306	mg/Kg	☼	10/20/25 15:15	10/24/25 04:59	5
Vanadium	**15.7**		0.727	0.0912	mg/Kg	☼	10/20/25 15:15	10/24/25 04:59	5
Zinc	**67.5**		1.82	1.51	mg/Kg	☼	10/20/25 15:15	10/24/25 04:59	5

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.110	0.0160	mg/Kg	☼	10/23/25 08:13	10/23/25 12:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7199)	ND		1.16	0.116	mg/Kg	☼	10/17/25 09:31	10/22/25 17:59	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		1.27	0.407	mg/Kg	☼		10/23/25 11:31	1

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38116-1

Client Sample ID: SED-3
Date Collected: 10/14/25 13:15
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38116-3
Matrix: Solid
Percent Solids: 72.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.0588**		0.0335	0.0161	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
Benzene	ND		0.00670	0.000898	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
Bromobenzene	ND		0.00670	0.00174	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
Chlorobromomethane	ND		0.00670	0.00109	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
Dichlorobromomethane	ND		0.00670	0.00123	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
Bromoform	ND		0.00670	0.00174	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
Bromomethane	ND		0.00670	0.00335	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
2-Butanone (MEK)	ND		0.0335	0.00804	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
n-Butylbenzene	ND		0.00670	0.00129	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
sec-Butylbenzene	ND		0.00670	0.00127	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
tert-Butylbenzene	ND		0.00670	0.00147	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
Carbon disulfide	ND		0.00670	0.00339	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
Carbon tetrachloride	ND		0.00670	0.00228	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
Chlorobenzene	ND		0.00670	0.00177	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
Chloroethane	ND		0.00670	0.00442	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
Chloroform	ND		0.00670	0.00182	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
Chloromethane	ND		0.00670	0.00296	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
2-Chlorotoluene	ND		0.00670	0.00222	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
4-Chlorotoluene	ND		0.00670	0.00131	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
Chlorodibromomethane	ND		0.00670	0.00161	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
1,2-Dibromo-3-Chloropropane	ND		0.00670	0.00442	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
Ethylene Dibromide	ND		0.00670	0.00134	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
Dibromomethane	ND		0.00670	0.00111	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
1,2-Dichlorobenzene	ND		0.00670	0.00213	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
1,3-Dichlorobenzene	ND		0.00670	0.00127	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
1,4-Dichlorobenzene	ND		0.00670	0.00115	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
trans-1,4-Dichloro-2-butene	ND		0.00670	0.00335	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
1,1-Dichloroethane	ND		0.00670	0.00111	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
1,2-Dichloroethane	ND		0.00670	0.00247	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
cis-1,2-Dichloroethene	ND		0.00670	0.00102	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
trans-1,2-Dichloroethene	ND		0.00670	0.00129	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
1,1-Dichloroethene	ND		0.00670	0.00281	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
1,2-Dichloropropane	ND		0.00670	0.00102	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
1,3-Dichloropropane	ND		0.00670	0.00134	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
2,2-Dichloropropane	ND		0.00670	0.00147	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
1,1-Dichloropropene	ND		0.00670	0.00111	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
cis-1,3-Dichloropropene	ND		0.00670	0.00161	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
trans-1,3-Dichloropropene	ND		0.00670	0.00147	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
Ethylbenzene	ND		0.00670	0.000818	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
Hexachlorobutadiene	ND		0.00670	0.00335	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
2-Hexanone	ND		0.0335	0.00670	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
Iodomethane	ND		0.00670	0.00456	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
Isopropylbenzene	ND		0.00670	0.000911	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
4-Isopropyltoluene	ND		0.00670	0.00134	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
Methylene Chloride	ND		0.0201	0.0134	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
4-Methyl-2-pentanone (MIBK)	ND		0.0335	0.0180	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
Methyl tert-butyl ether	ND		0.00670	0.00134	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
Naphthalene	ND		0.00670	0.00402	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
N-Propylbenzene	ND		0.00670	0.00121	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38116-1

Client Sample ID: SED-3
Date Collected: 10/14/25 13:15
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38116-3
Matrix: Solid
Percent Solids: 72.1

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	☼	10/21/25 10:30	10/21/25 17:32	1
1,1,1,2-Tetrachloroethane	ND		0.00670	0.00147	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
1,1,2,2-Tetrachloroethane	ND		0.00670	0.00231	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
Tetrachloroethene	ND		0.00670	0.00402	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
Toluene	ND		0.00670	0.00134	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
1,2,3-Trichlorobenzene	ND		0.00670	0.00147	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
1,2,4-Trichlorobenzene	ND		0.00670	0.00269	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
1,1,1-Trichloroethane	ND		0.00670	0.00147	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
1,1,2-Trichloroethane	ND		0.00670	0.00216	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
Trichloroethene	ND		0.00670	0.00134	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
Trichlorofluoromethane	ND		0.00670	0.00324	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
1,2,3-Trichloropropane	ND		0.00670	0.00279	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00670	0.00252	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
1,2,4-Trimethylbenzene	ND		0.00670	0.00134	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
1,3,5-Trimethylbenzene	ND		0.00670	0.00111	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
Vinyl acetate	ND	*+	0.0335	0.00855	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
Vinyl chloride	ND		0.00670	0.00292	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
o-Xylene	ND		0.00670	0.00402	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
m-Xylene & p-Xylene	ND		0.00670	0.00402	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
Xylenes, Total	ND		0.0134	0.00804	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
Isopropyl ether	ND	*+	0.00670	0.00185	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
Hexane	ND		0.00670	0.00348	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
n-Heptane	ND		0.00670	0.00387	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1
Ethyl acetate	ND		0.0268	0.00670	mg/Kg	☼	10/21/25 10:30	10/21/25 17:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*50 - 150*	*10/21/25 10:30*	*10/21/25 17:32*	*1*
Dibromofluoromethane	*102*		*50 - 150*	*10/21/25 10:30*	*10/21/25 17:32*	*1*
Toluene-d8 (Surr)	*101*		*50 - 150*	*10/21/25 10:30*	*10/21/25 17:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*121*		*50 - 150*	*10/21/25 10:30*	*10/21/25 17:32*	*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		0.00783	0.00783	mg/Kg	☼	10/17/25 12:03	10/21/25 01:20	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*43*		*10 - 150*	*10/17/25 12:03*	*10/21/25 01:20*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.774	0.0225	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
2,4,5-Trichlorophenol	ND		0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
2,4,6-Trichlorophenol	ND		0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
2,4-Dichlorophenol	ND		0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
2,4-Dimethylphenol	ND		0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
2,4-Dinitrophenol	ND		2.32	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
2,4-Dinitrotoluene	ND		0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
2,6-Dinitrotoluene	ND		0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
2-Chloronaphthalene	ND		0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
2-Chlorophenol	ND		0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
2-Methylnaphthalene	ND		0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2

Client Sample ID: SED-3
Lab Sample ID: 752-38116-3
Date Collected: 10/14/25 13:15
Matrix: Solid
Date Received: 10/15/25 08:00
Percent Solids: 72.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
2-Nitroaniline	ND		0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
2-Nitrophenol	ND		0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
3 & 4 Methylphenol	ND		1.55	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
3,3'-Dichlorobenzidine	ND		0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
3-Nitroaniline	ND		0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
4,6-Dinitro-2-methylphenol	ND		0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
4-Bromophenyl phenyl ether	ND		0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
4-Chloro-3-methylphenol	ND		0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
4-Chloroaniline	ND		0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
4-Chlorophenyl phenyl ether	ND		0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
4-Nitroaniline	ND		0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
4-Nitrophenol	ND		0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
Acenaphthene	ND		0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
Acenaphthylene	ND		0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
Acetophenone	ND		0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
Anthracene	ND		0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
Atrazine	ND		0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
Benzaldehyde	ND		0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
Benzo[a]anthracene	**0.239**	**J**	0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
Benzo[a]pyrene	**0.245**	**J**	0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
Benzo[b]fluoranthene	**0.379**	**J**	0.774	0.00329	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
Benzo[g,h,i]perylene	**0.203**	**J**	0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
Benzo[k]fluoranthene	**0.105**	**J**	0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
bis (2-chloroisopropyl) ether	ND		0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
Bis(2-chloroethoxy)methane	ND		0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
Bis(2-chloroethyl)ether	ND		0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
Bis(2-ethylhexyl) phthalate	**0.620**	**J B**	0.774	0.235	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
Butyl benzyl phthalate	ND		0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
Caprolactam	**0.244**	**J *+**	0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
Carbazole	ND		0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
Chrysene	**0.259**	**J**	0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
Dibenz(a,h)anthracene	ND		0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
Dibenzofuran	ND		0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
Diethyl phthalate	ND		0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
Dimethyl phthalate	ND		0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
Di-n-butyl phthalate	ND		2.32	0.704	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
Di-n-octyl phthalate	ND		0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
Fluoranthene	**0.496**	**J**	0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/21/25 18:43	2
Fluorene	ND		0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
Hexachlorobenzene	ND		0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
Hexachlorobutadiene	ND		0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
Hexachlorocyclopentadiene	ND		0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
Hexachloroethane	ND		0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
Indeno[1,2,3-cd]pyrene	**0.192**	**J**	0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
Isophorone	ND		0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
Naphthalene	ND		0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
Nitrobenzene	ND		0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
N-Nitrosodi-n-propylamine	ND		0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2

Client Sample ID: SED-3
Date Collected: 10/14/25 13:15
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38116-3
Matrix: Solid
Percent Solids: 72.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
Pentachlorophenol	ND		0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
Phenanthrene	**0.234**	**J**	0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
Phenol	ND		0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/19/25 00:13	2
Pyrene	**0.471**	**J**	0.774	0.0774	mg/Kg	☼	10/17/25 09:18	10/22/25 11:41	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*75*		*40 - 140*	*10/17/25 09:18*	*10/19/25 00:13*	*2*
2-Fluorobiphenyl (Surr)	*88*		*40 - 140*	*10/17/25 09:18*	*10/19/25 00:13*	*2*
2-Fluorophenol (Surr)	*91*		*40 - 140*	*10/17/25 09:18*	*10/19/25 00:13*	*2*
Nitrobenzene-d5 (Surr)	*96*		*40 - 140*	*10/17/25 09:18*	*10/19/25 00:13*	*2*
Phenol-d5 (Surr)	*92*		*40 - 140*	*10/17/25 09:18*	*10/19/25 00:13*	*2*
Terphenyl-d14 (Surr)	*87*		*40 - 140*	*10/17/25 09:18*	*10/19/25 00:13*	*2*

Method: SW846 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**1.89**	**J**	3.44	0.998	mg/Kg	☼		10/18/25 00:49	1
Sulfate	**33.3**		13.8	13.5	mg/Kg	☼		10/18/25 00:49	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.201**	**J B**	0.797	0.182	mg/Kg	☼	10/20/25 15:15	10/24/25 05:03	5
Arsenic	**0.945**		0.478	0.0427	mg/Kg	☼	10/20/25 15:15	10/24/25 05:03	5
Barium	**24.3**		1.99	0.0113	mg/Kg	☼	10/20/25 15:15	10/24/25 05:03	5
Beryllium	**0.125**	**J**	0.399	0.0279	mg/Kg	☼	10/20/25 15:15	10/24/25 05:03	5
Cadmium	**0.0786**	**J B**	0.399	0.0130	mg/Kg	☼	10/20/25 15:15	10/24/25 05:03	5
Chromium	**7.81**		0.797	0.164	mg/Kg	☼	10/20/25 15:15	10/24/25 05:03	5
Cobalt	**6.54**		0.598	0.0226	mg/Kg	☼	10/20/25 15:15	10/24/25 05:03	5
Copper	**13.3**	**B**	0.399	0.0415	mg/Kg	☼	10/20/25 15:15	10/24/25 05:03	5
Lead	**20.9**	**B**	0.399	0.0470	mg/Kg	☼	10/20/25 15:15	10/24/25 05:03	5
Manganese	**153**		0.797	0.0490	mg/Kg	☼	10/20/25 15:15	10/24/25 05:03	5
Nickel	**24.6**		0.797	0.0209	mg/Kg	☼	10/20/25 15:15	10/24/25 05:03	5
Selenium	**0.142**	**J**	1.99	0.142	mg/Kg	☼	10/20/25 15:15	10/24/25 05:03	5
Silver	**0.0141**	**J B**	0.199	0.00231	mg/Kg	☼	10/20/25 15:15	10/24/25 05:03	5
Thallium	ND		0.558	0.0336	mg/Kg	☼	10/20/25 15:15	10/24/25 05:03	5
Vanadium	**23.3**		0.797	0.100	mg/Kg	☼	10/20/25 15:15	10/24/25 05:03	5
Zinc	**67.0**		1.99	1.65	mg/Kg	☼	10/20/25 15:15	10/24/25 05:03	5

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0254**	**J**	0.132	0.0193	mg/Kg	☼	10/23/25 08:13	10/23/25 12:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7199)	**0.258**	**J**	1.39	0.139	mg/Kg	☼	10/17/25 09:31	10/22/25 18:37	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		1.38	0.442	mg/Kg	☼		10/23/25 11:33	1

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38116-1

Client Sample ID: SED-4
Date Collected: 10/14/25 13:45
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38116-4
Matrix: Solid
Percent Solids: 82.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.0135**	**J**	0.0255	0.0123	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
Benzene	ND		0.00511	0.000685	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
Bromobenzene	ND		0.00511	0.00133	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
Chlorobromomethane	ND		0.00511	0.000828	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
Dichlorobromomethane	ND		0.00511	0.000940	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
Bromoform	ND		0.00511	0.00133	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
Bromomethane	ND		0.00511	0.00255	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
2-Butanone (MEK)	ND		0.0255	0.00613	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
n-Butylbenzene	ND		0.00511	0.000981	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
sec-Butylbenzene	ND		0.00511	0.000971	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
tert-Butylbenzene	ND		0.00511	0.00112	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
Carbon disulfide	ND		0.00511	0.00259	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
Carbon tetrachloride	ND		0.00511	0.00174	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
Chlorobenzene	ND		0.00511	0.00135	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
Chloroethane	ND		0.00511	0.00337	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
Chloroform	ND		0.00511	0.00139	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
Chloromethane	ND		0.00511	0.00226	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
2-Chlorotoluene	ND		0.00511	0.00170	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
4-Chlorotoluene	ND		0.00511	0.00100	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
Chlorodibromomethane	ND		0.00511	0.00123	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
1,2-Dibromo-3-Chloropropane	ND		0.00511	0.00337	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
Ethylene Dibromide	ND		0.00511	0.00102	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
Dibromomethane	ND		0.00511	0.000848	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
1,2-Dichlorobenzene	ND		0.00511	0.00162	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
1,3-Dichlorobenzene	ND		0.00511	0.000971	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
1,4-Dichlorobenzene	ND		0.00511	0.000879	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
trans-1,4-Dichloro-2-butene	ND		0.00511	0.00255	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
1,1-Dichloroethane	ND		0.00511	0.000848	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
1,2-Dichloroethane	ND		0.00511	0.00188	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
cis-1,2-Dichloroethene	ND		0.00511	0.000777	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
trans-1,2-Dichloroethene	ND		0.00511	0.000981	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
1,1-Dichloroethene	ND		0.00511	0.00215	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
1,2-Dichloropropane	ND		0.00511	0.000777	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
1,3-Dichloropropane	ND		0.00511	0.00102	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
2,2-Dichloropropane	ND		0.00511	0.00112	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
1,1-Dichloropropene	ND		0.00511	0.000848	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
cis-1,3-Dichloropropene	ND		0.00511	0.00123	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
trans-1,3-Dichloropropene	ND		0.00511	0.00112	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
Ethylbenzene	ND		0.00511	0.000623	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
Hexachlorobutadiene	ND		0.00511	0.00255	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
2-Hexanone	ND		0.0255	0.00511	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
Iodomethane	ND		0.00511	0.00347	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
Isopropylbenzene	ND		0.00511	0.000695	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
4-Isopropyltoluene	ND		0.00511	0.00102	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
Methylene Chloride	ND		0.0153	0.0102	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
4-Methyl-2-pentanone (MIBK)	ND		0.0255	0.0137	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
Methyl tert-butyl ether	ND		0.00511	0.00102	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
Naphthalene	ND		0.00511	0.00307	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
N-Propylbenzene	ND		0.00511	0.000920	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1

Client Sample ID: SED-4
Date Collected: 10/14/25 13:45
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38116-4
Matrix: Solid
Percent Solids: 82.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.00511	0.00102	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
1,1,1,2-Tetrachloroethane	ND		0.00511	0.00112	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
1,1,2,2-Tetrachloroethane	ND		0.00511	0.00176	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
Tetrachloroethene	ND		0.00511	0.00307	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
Toluene	ND		0.00511	0.00102	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
1,2,3-Trichlorobenzene	ND		0.00511	0.00112	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
1,2,4-Trichlorobenzene	ND		0.00511	0.00205	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
1,1,1-Trichloroethane	ND		0.00511	0.00112	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
1,1,2-Trichloroethane	ND		0.00511	0.00165	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
Trichloroethene	ND		0.00511	0.00102	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
Trichlorofluoromethane	ND		0.00511	0.00247	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
1,2,3-Trichloropropane	ND		0.00511	0.00213	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00511	0.00192	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
1,2,4-Trimethylbenzene	ND		0.00511	0.00102	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
1,3,5-Trimethylbenzene	ND		0.00511	0.000848	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
Vinyl acetate	ND	*+	0.0255	0.00652	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
Vinyl chloride	ND		0.00511	0.00223	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
o-Xylene	ND		0.00511	0.00307	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
m-Xylene & p-Xylene	ND		0.00511	0.00307	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
Xylenes, Total	ND		0.0102	0.00613	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
Isopropyl ether	ND	*+	0.00511	0.00141	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
Hexane	ND		0.00511	0.00266	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
n-Heptane	ND		0.00511	0.00295	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1
Ethyl acetate	ND		0.0204	0.00511	mg/Kg	☼	10/21/25 10:30	10/21/25 17:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*50 - 150*	*10/21/25 10:30*	*10/21/25 17:53*	*1*
Dibromofluoromethane	*106*		*50 - 150*	*10/21/25 10:30*	*10/21/25 17:53*	*1*
Toluene-d8 (Surr)	*99*		*50 - 150*	*10/21/25 10:30*	*10/21/25 17:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*126*		*50 - 150*	*10/21/25 10:30*	*10/21/25 17:53*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.00717	0.00717	mg/Kg	☼	10/17/25 12:03	10/21/25 01:42	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*45*		*10 - 150*	*10/17/25 12:03*	*10/21/25 01:42*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.703	0.0204	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
2,4,5-Trichlorophenol	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
2,4,6-Trichlorophenol	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
2,4-Dichlorophenol	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
2,4-Dimethylphenol	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
2,4-Dinitrophenol	ND		2.11	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
2,4-Dinitrotoluene	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
2,6-Dinitrotoluene	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
2-Chloronaphthalene	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
2-Chlorophenol	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
2-Methylnaphthalene	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2

Client Sample ID: SED-4
Lab Sample ID: 752-38116-4
Date Collected: 10/14/25 13:45
Matrix: Solid
Date Received: 10/15/25 08:00
Percent Solids: 82.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
2-Nitroaniline	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
2-Nitrophenol	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
3 & 4 Methylphenol	ND		1.41	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
3,3'-Dichlorobenzidine	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
3-Nitroaniline	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
4,6-Dinitro-2-methylphenol	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
4-Bromophenyl phenyl ether	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
4-Chloro-3-methylphenol	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
4-Chloroaniline	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
4-Chlorophenyl phenyl ether	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
4-Nitroaniline	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
4-Nitrophenol	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
Acenaphthene	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
Acenaphthylene	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
Acetophenone	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
Anthracene	**0.240**	**J**	0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
Atrazine	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
Benzaldehyde	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
Benzo[a]anthracene	**1.49**		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
Benzo[a]pyrene	**1.30**		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
Benzo[b]fluoranthene	**1.84**		0.703	0.00298	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
Benzo[g,h,i]perylene	**0.882**		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
Benzo[k]fluoranthene	**0.494**	**J**	0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
bis (2-chloroisopropyl) ether	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
Bis(2-chloroethoxy)methane	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
Bis(2-chloroethyl)ether	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
Bis(2-ethylhexyl) phthalate	**0.495**	**J B**	0.703	0.213	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
Butyl benzyl phthalate	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
Caprolactam	ND	*+	0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
Carbazole	**0.178**	**J**	0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
Chrysene	**1.50**		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
Dibenz(a,h)anthracene	**0.209**	**J**	0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
Dibenzofuran	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
Diethyl phthalate	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
Dimethyl phthalate	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
Di-n-butyl phthalate	ND		2.11	0.639	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
Di-n-octyl phthalate	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
Fluoranthene	**3.56**		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/21/25 19:14	2
Fluorene	**0.0751**	**J**	0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
Hexachlorobenzene	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
Hexachlorobutadiene	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
Hexachlorocyclopentadiene	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
Hexachloroethane	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
Indeno[1,2,3-cd]pyrene	**0.845**		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
Isophorone	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
Naphthalene	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
Nitrobenzene	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
N-Nitrosodi-n-propylamine	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2

Client Sample ID: SED-4
Date Collected: 10/14/25 13:45
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38116-4
Matrix: Solid
Percent Solids: 82.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
Pentachlorophenol	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
Phenanthrene	**1.95**		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
Phenol	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 00:44	2
Pyrene	**3.38**		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/23/25 12:51	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*81*		*40 - 140*	*10/17/25 09:18*	*10/19/25 00:44*	*2*
2-Fluorobiphenyl (Surr)	*86*		*40 - 140*	*10/17/25 09:18*	*10/19/25 00:44*	*2*
2-Fluorophenol (Surr)	*93*		*40 - 140*	*10/17/25 09:18*	*10/19/25 00:44*	*2*
Nitrobenzene-d5 (Surr)	*96*		*40 - 140*	*10/17/25 09:18*	*10/19/25 00:44*	*2*
Phenol-d5 (Surr)	*100*		*40 - 140*	*10/17/25 09:18*	*10/19/25 00:44*	*2*
Terphenyl-d14 (Surr)	*94*		*40 - 140*	*10/17/25 09:18*	*10/19/25 00:44*	*2*

Method: SW846 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**1.86**	**J**	3.00	0.870	mg/Kg	☼		10/18/25 01:00	1
Sulfate	**21.2**		12.0	11.8	mg/Kg	☼		10/18/25 01:00	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.760	0.174	mg/Kg	☼	10/20/25 15:15	10/24/25 05:06	5
Arsenic	**0.780**		0.456	0.0407	mg/Kg	☼	10/20/25 15:15	10/24/25 05:06	5
Barium	**37.7**		1.90	0.0108	mg/Kg	☼	10/20/25 15:15	10/24/25 05:06	5
Beryllium	**0.114**	**J**	0.380	0.0266	mg/Kg	☼	10/20/25 15:15	10/24/25 05:06	5
Cadmium	**0.0608**	**J B**	0.380	0.0124	mg/Kg	☼	10/20/25 15:15	10/24/25 05:06	5
Chromium	**7.40**		0.760	0.157	mg/Kg	☼	10/20/25 15:15	10/24/25 05:06	5
Cobalt	**4.67**		0.570	0.0215	mg/Kg	☼	10/20/25 15:15	10/24/25 05:06	5
Copper	**9.76**	**B**	0.380	0.0395	mg/Kg	☼	10/20/25 15:15	10/24/25 05:06	5
Lead	**16.2**	**B**	0.380	0.0448	mg/Kg	☼	10/20/25 15:15	10/24/25 05:06	5
Manganese	**119**		0.760	0.0467	mg/Kg	☼	10/20/25 15:15	10/24/25 05:06	5
Nickel	**14.7**		0.760	0.0199	mg/Kg	☼	10/20/25 15:15	10/24/25 05:06	5
Selenium	ND		1.90	0.135	mg/Kg	☼	10/20/25 15:15	10/24/25 05:06	5
Silver	**0.0128**	**J B**	0.190	0.00220	mg/Kg	☼	10/20/25 15:15	10/24/25 05:06	5
Thallium	ND		0.532	0.0320	mg/Kg	☼	10/20/25 15:15	10/24/25 05:06	5
Vanadium	**13.2**		0.760	0.0954	mg/Kg	☼	10/20/25 15:15	10/24/25 05:06	5
Zinc	**43.6**		1.90	1.58	mg/Kg	☼	10/20/25 15:15	10/24/25 05:06	5

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.106	0.0155	mg/Kg	☼	10/23/25 08:13	10/23/25 12:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7199)	ND		1.12	0.112	mg/Kg	☼	10/17/25 09:31	10/22/25 18:50	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		1.17	0.373	mg/Kg	☼		10/23/25 11:36	1

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38116-1

Client Sample ID: SED-5
Date Collected: 10/14/25 14:15
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38116-5
Matrix: Solid
Percent Solids: 76.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.0313**		0.0281	0.0135	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
Benzene	ND		0.00561	0.000752	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
Bromobenzene	ND		0.00561	0.00146	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
Chlorobromomethane	ND		0.00561	0.000909	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
Dichlorobromomethane	ND		0.00561	0.00103	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
Bromoform	ND		0.00561	0.00146	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
Bromomethane	ND		0.00561	0.00281	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
2-Butanone (MEK)	ND		0.0281	0.00674	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
n-Butylbenzene	ND		0.00561	0.00108	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
sec-Butylbenzene	ND		0.00561	0.00107	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
tert-Butylbenzene	ND		0.00561	0.00124	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
Carbon disulfide	**0.00292**	**J**	0.00561	0.00284	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
Carbon tetrachloride	ND		0.00561	0.00191	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
Chlorobenzene	ND		0.00561	0.00148	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
Chloroethane	ND		0.00561	0.00371	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
Chloroform	ND		0.00561	0.00153	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
Chloromethane	ND		0.00561	0.00248	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
2-Chlorotoluene	ND		0.00561	0.00186	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
4-Chlorotoluene	ND		0.00561	0.00110	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
Chlorodibromomethane	ND		0.00561	0.00135	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
1,2-Dibromo-3-Chloropropane	ND		0.00561	0.00371	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
Ethylene Dibromide	ND		0.00561	0.00112	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
Dibromomethane	ND		0.00561	0.000932	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
1,2-Dichlorobenzene	ND		0.00561	0.00179	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
1,3-Dichlorobenzene	ND		0.00561	0.00107	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
1,4-Dichlorobenzene	ND		0.00561	0.000966	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
trans-1,4-Dichloro-2-butene	ND		0.00561	0.00281	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
1,1-Dichloroethane	ND		0.00561	0.000932	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
1,2-Dichloroethane	ND		0.00561	0.00207	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
cis-1,2-Dichloroethene	ND		0.00561	0.000853	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
trans-1,2-Dichloroethene	ND		0.00561	0.00108	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
1,1-Dichloroethene	ND		0.00561	0.00236	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
1,2-Dichloropropane	ND		0.00561	0.000853	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
1,3-Dichloropropane	ND		0.00561	0.00112	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
2,2-Dichloropropane	ND		0.00561	0.00124	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
1,1-Dichloropropene	ND		0.00561	0.000932	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
cis-1,3-Dichloropropene	ND		0.00561	0.00135	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
trans-1,3-Dichloropropene	ND		0.00561	0.00124	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
Ethylbenzene	ND		0.00561	0.000685	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
Hexachlorobutadiene	ND		0.00561	0.00281	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
2-Hexanone	ND		0.0281	0.00561	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
Iodomethane	ND		0.00561	0.00382	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
Isopropylbenzene	ND		0.00561	0.000763	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
4-Isopropyltoluene	ND		0.00561	0.00112	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
Methylene Chloride	ND		0.0168	0.0112	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
4-Methyl-2-pentanone (MIBK)	ND		0.0281	0.0151	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
Methyl tert-butyl ether	ND		0.00561	0.00112	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
Naphthalene	ND		0.00561	0.00337	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
N-Propylbenzene	ND		0.00561	0.00101	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38116-1

Client Sample ID: SED-5
Date Collected: 10/14/25 14:15
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38116-5
Matrix: Solid
Percent Solids: 76.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.00561	0.00112	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
1,1,1,2-Tetrachloroethane	ND		0.00561	0.00124	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
1,1,2,2-Tetrachloroethane	ND		0.00561	0.00193	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
Tetrachloroethene	ND		0.00561	0.00337	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
Toluene	ND		0.00561	0.00112	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
1,2,3-Trichlorobenzene	ND		0.00561	0.00124	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
1,2,4-Trichlorobenzene	ND		0.00561	0.00226	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
1,1,1-Trichloroethane	ND		0.00561	0.00124	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
1,1,2-Trichloroethane	ND		0.00561	0.00181	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
Trichloroethene	ND		0.00561	0.00112	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
Trichlorofluoromethane	ND		0.00561	0.00272	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
1,2,3-Trichloropropane	ND		0.00561	0.00234	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00561	0.00211	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
1,2,4-Trimethylbenzene	ND		0.00561	0.00112	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
1,3,5-Trimethylbenzene	ND		0.00561	0.000932	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
Vinyl acetate	ND	*+	0.0281	0.00716	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
Vinyl chloride	ND		0.00561	0.00245	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
o-Xylene	ND		0.00561	0.00337	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
m-Xylene & p-Xylene	ND		0.00561	0.00337	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
Xylenes, Total	ND		0.0112	0.00674	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
Isopropyl ether	ND	*+	0.00561	0.00155	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
Hexane	ND		0.00561	0.00292	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
n-Heptane	ND		0.00561	0.00324	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1
Ethyl acetate	ND		0.0225	0.00561	mg/Kg	☼	10/21/25 10:30	10/21/25 18:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*50 - 150*	*10/21/25 10:30*	*10/21/25 18:14*	*1*
Dibromofluoromethane	*106*		*50 - 150*	*10/21/25 10:30*	*10/21/25 18:14*	*1*
Toluene-d8 (Surr)	*99*		*50 - 150*	*10/21/25 10:30*	*10/21/25 18:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*126*		*50 - 150*	*10/21/25 10:30*	*10/21/25 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		0.00760	0.00760	mg/Kg	☼	10/17/25 12:03	10/21/25 02:03	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*55*		*10 - 150*	*10/17/25 12:03*	*10/21/25 02:03*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.768	0.0223	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
2,4,5-Trichlorophenol	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
2,4,6-Trichlorophenol	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
2,4-Dichlorophenol	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
2,4-Dimethylphenol	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
2,4-Dinitrophenol	ND		2.30	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
2,4-Dinitrotoluene	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
2,6-Dinitrotoluene	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
2-Chloronaphthalene	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
2-Chlorophenol	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
2-Methylnaphthalene	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2

Client Sample ID: SED-5
Date Collected: 10/14/25 14:15
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38116-5
Matrix: Solid
Percent Solids: 76.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
2-Nitroaniline	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
2-Nitrophenol	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
3 & 4 Methylphenol	ND		1.54	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
3,3'-Dichlorobenzidine	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
3-Nitroaniline	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
4,6-Dinitro-2-methylphenol	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
4-Bromophenyl phenyl ether	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
4-Chloro-3-methylphenol	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
4-Chloroaniline	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
4-Chlorophenyl phenyl ether	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
4-Nitroaniline	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
4-Nitrophenol	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
Acenaphthene	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
Acenaphthylene	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
Acetophenone	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
Anthracene	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
Atrazine	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
Benzaldehyde	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
Benzo[a]anthracene	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
Benzo[a]pyrene	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
Benzo[b]fluoranthene	**0.0748**	**J**	0.768	0.00326	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
Benzo[g,h,i]perylene	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
Benzo[k]fluoranthene	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
bis (2-chloroisopropyl) ether	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
Bis(2-chloroethoxy)methane	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
Bis(2-chloroethyl)ether	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
Bis(2-ethylhexyl) phthalate	**0.591**	**J B**	0.768	0.233	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
Butyl benzyl phthalate	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
Caprolactam	**0.282**	**J *+**	0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
Carbazole	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
Chrysene	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
Dibenz(a,h)anthracene	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
Dibenzofuran	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
Diethyl phthalate	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
Dimethyl phthalate	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
Di-n-butyl phthalate	ND		2.30	0.698	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
Di-n-octyl phthalate	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
Fluoranthene	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
Fluorene	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
Hexachlorobenzene	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
Hexachlorobutadiene	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
Hexachlorocyclopentadiene	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
Hexachloroethane	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
Indeno[1,2,3-cd]pyrene	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
Isophorone	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
Naphthalene	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
Nitrobenzene	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
N-Nitrosodi-n-propylamine	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2

Client Sample ID: SED-5
Date Collected: 10/14/25 14:15
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38116-5
Matrix: Solid
Percent Solids: 76.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
Pentachlorophenol	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
Phenanthrene	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
Phenol	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/19/25 01:15	2
Pyrene	ND		0.768	0.0768	mg/Kg	☼	10/17/25 09:18	10/21/25 19:45	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*88*		*40 - 140*	*10/17/25 09:18*	*10/19/25 01:15*	*2*
2-Fluorobiphenyl (Surr)	*86*		*40 - 140*	*10/17/25 09:18*	*10/19/25 01:15*	*2*
2-Fluorophenol (Surr)	*94*		*40 - 140*	*10/17/25 09:18*	*10/19/25 01:15*	*2*
Nitrobenzene-d5 (Surr)	*100*		*40 - 140*	*10/17/25 09:18*	*10/19/25 01:15*	*2*
Phenol-d5 (Surr)	*96*		*40 - 140*	*10/17/25 09:18*	*10/19/25 01:15*	*2*
Terphenyl-d14 (Surr)	*89*		*40 - 140*	*10/17/25 09:18*	*10/19/25 01:15*	*2*

Method: SW846 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**1.41**	**J**	3.22	0.935	mg/Kg	☼		10/18/25 01:12	1
Sulfate	**15.5**		12.9	12.6	mg/Kg	☼		10/18/25 01:12	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.791	0.181	mg/Kg	☼	10/20/25 15:15	10/24/25 05:09	5
Arsenic	**0.544**		0.475	0.0423	mg/Kg	☼	10/20/25 15:15	10/24/25 05:09	5
Barium	**15.8**		1.98	0.0112	mg/Kg	☼	10/20/25 15:15	10/24/25 05:09	5
Beryllium	**0.117**	**J**	0.396	0.0277	mg/Kg	☼	10/20/25 15:15	10/24/25 05:09	5
Cadmium	**0.0842**	**J B**	0.396	0.0129	mg/Kg	☼	10/20/25 15:15	10/24/25 05:09	5
Chromium	**5.37**		0.791	0.163	mg/Kg	☼	10/20/25 15:15	10/24/25 05:09	5
Cobalt	**4.10**		0.593	0.0224	mg/Kg	☼	10/20/25 15:15	10/24/25 05:09	5
Copper	**11.0**	**B**	0.396	0.0411	mg/Kg	☼	10/20/25 15:15	10/24/25 05:09	5
Lead	**11.9**	**B**	0.396	0.0467	mg/Kg	☼	10/20/25 15:15	10/24/25 05:09	5
Manganese	**105**		0.791	0.0487	mg/Kg	☼	10/20/25 15:15	10/24/25 05:09	5
Nickel	**11.9**		0.791	0.0207	mg/Kg	☼	10/20/25 15:15	10/24/25 05:09	5
Selenium	**0.149**	**J**	1.98	0.140	mg/Kg	☼	10/20/25 15:15	10/24/25 05:09	5
Silver	**0.00929**	**J B**	0.198	0.00229	mg/Kg	☼	10/20/25 15:15	10/24/25 05:09	5
Thallium	ND		0.554	0.0334	mg/Kg	☼	10/20/25 15:15	10/24/25 05:09	5
Vanadium	**9.94**		0.791	0.0993	mg/Kg	☼	10/20/25 15:15	10/24/25 05:09	5
Zinc	**48.4**		1.98	1.64	mg/Kg	☼	10/20/25 15:15	10/24/25 05:09	5

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.110	0.0161	mg/Kg	☼	10/27/25 09:20	10/27/25 11:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7199)	ND		1.18	0.118	mg/Kg	☼	10/17/25 09:31	10/22/25 19:02	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		1.26	0.402	mg/Kg	☼		10/23/25 11:39	1

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38116-1

Client Sample ID: SED-6
Date Collected: 10/14/25 14:45
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38116-6
Matrix: Solid
Percent Solids: 73.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0586		0.0429	0.0206	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
Benzene	ND		0.00858	0.00115	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
Bromobenzene	ND		0.00858	0.00223	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
Chlorobromomethane	ND		0.00858	0.00139	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
Dichlorobromomethane	ND		0.00858	0.00158	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
Bromoform	ND		0.00858	0.00223	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
Bromomethane	ND		0.00858	0.00429	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
2-Butanone (MEK)	ND		0.0429	0.0103	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
n-Butylbenzene	ND		0.00858	0.00165	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
sec-Butylbenzene	ND		0.00858	0.00163	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
tert-Butylbenzene	ND		0.00858	0.00189	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
Carbon disulfide	ND		0.00858	0.00434	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
Carbon tetrachloride	ND		0.00858	0.00292	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
Chlorobenzene	ND		0.00858	0.00227	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
Chloroethane	ND		0.00858	0.00566	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
Chloroform	ND		0.00858	0.00233	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
Chloromethane	ND		0.00858	0.00379	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
2-Chlorotoluene	ND		0.00858	0.00285	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
4-Chlorotoluene	ND		0.00858	0.00168	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
Chlorodibromomethane	ND		0.00858	0.00206	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
1,2-Dibromo-3-Chloropropane	ND		0.00858	0.00566	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
Ethylene Dibromide	ND		0.00858	0.00172	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
Dibromomethane	ND		0.00858	0.00142	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
1,2-Dichlorobenzene	ND		0.00858	0.00273	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
1,3-Dichlorobenzene	ND		0.00858	0.00163	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
1,4-Dichlorobenzene	ND		0.00858	0.00148	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
trans-1,4-Dichloro-2-butene	ND		0.00858	0.00429	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
1,1-Dichloroethane	ND		0.00858	0.00142	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
1,2-Dichloroethane	ND		0.00858	0.00316	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
cis-1,2-Dichloroethene	ND		0.00858	0.00130	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
trans-1,2-Dichloroethene	ND		0.00858	0.00165	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
1,1-Dichloroethene	ND		0.00858	0.00360	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
1,2-Dichloropropane	ND		0.00858	0.00130	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
1,3-Dichloropropane	ND		0.00858	0.00172	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
2,2-Dichloropropane	ND		0.00858	0.00189	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
1,1-Dichloropropene	ND		0.00858	0.00142	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
cis-1,3-Dichloropropene	ND		0.00858	0.00206	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
trans-1,3-Dichloropropene	ND		0.00858	0.00189	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
Ethylbenzene	ND		0.00858	0.00105	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
Hexachlorobutadiene	ND		0.00858	0.00429	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
2-Hexanone	ND		0.0429	0.00858	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
Iodomethane	ND		0.00858	0.00583	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
Isopropylbenzene	ND		0.00858	0.00117	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
4-Isopropyltoluene	ND		0.00858	0.00172	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
Methylene Chloride	ND		0.0257	0.0172	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
4-Methyl-2-pentanone (MIBK)	ND		0.0429	0.0230	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
Methyl tert-butyl ether	ND		0.00858	0.00172	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
Naphthalene	ND		0.00858	0.00515	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
N-Propylbenzene	ND		0.00858	0.00154	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1

Client: S&ME Inc
Job ID: 752-38116-1
Project/Site: East End Park, Durham, NC

Client Sample ID: SED-6
Lab Sample ID: 752-38116-6
Date Collected: 10/14/25 14:45
Matrix: Solid
Date Received: 10/15/25 08:00
Percent Solids: 73.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.00858	0.00172	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
1,1,1,2-Tetrachloroethane	ND		0.00858	0.00189	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
1,1,2,2-Tetrachloroethane	ND		0.00858	0.00295	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
Tetrachloroethene	ND		0.00858	0.00515	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
Toluene	ND		0.00858	0.00172	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
1,2,3-Trichlorobenzene	ND		0.00858	0.00189	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
1,2,4-Trichlorobenzene	ND		0.00858	0.00345	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
1,1,1-Trichloroethane	ND		0.00858	0.00189	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
1,1,2-Trichloroethane	ND		0.00858	0.00276	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
Trichloroethene	ND		0.00858	0.00172	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
Trichlorofluoromethane	ND		0.00858	0.00415	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
1,2,3-Trichloropropane	ND		0.00858	0.00357	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00858	0.00323	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
1,2,4-Trimethylbenzene	ND		0.00858	0.00172	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
1,3,5-Trimethylbenzene	ND		0.00858	0.00142	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
Vinyl acetate	ND	*+	0.0429	0.0109	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
Vinyl chloride	ND		0.00858	0.00374	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
o-Xylene	ND		0.00858	0.00515	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
m-Xylene & p-Xylene	ND		0.00858	0.00515	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
Xylenes, Total	ND		0.0172	0.0103	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
Isopropyl ether	ND	*+	0.00858	0.00237	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
Hexane	ND		0.00858	0.00446	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
n-Heptane	ND		0.00858	0.00496	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1
Ethyl acetate	ND		0.0343	0.00858	mg/Kg	☼	10/21/25 10:30	10/21/25 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*50 - 150*	*10/21/25 10:30*	*10/21/25 18:35*	*1*
Dibromofluoromethane	*107*		*50 - 150*	*10/21/25 10:30*	*10/21/25 18:35*	*1*
Toluene-d8 (Surr)	*100*		*50 - 150*	*10/21/25 10:30*	*10/21/25 18:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*126*		*50 - 150*	*10/21/25 10:30*	*10/21/25 18:35*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.00796	0.00796	mg/Kg	☼	10/17/25 12:03	10/21/25 02:24	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*50*		*10 - 150*	*10/17/25 12:03*	*10/21/25 02:24*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.427	0.0124	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
2,4,5-Trichlorophenol	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
2,4,6-Trichlorophenol	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
2,4-Dichlorophenol	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
2,4-Dimethylphenol	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
2,4-Dinitrophenol	ND		1.28	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
2,4-Dinitrotoluene	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
2,6-Dinitrotoluene	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
2-Chloronaphthalene	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
2-Chlorophenol	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
2-Methylnaphthalene	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1

Client Sample ID: SED-6
Lab Sample ID: 752-38116-6

Date Collected: 10/14/25 14:45
Matrix: Solid

Date Received: 10/15/25 08:00
Percent Solids: 73.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
2-Nitroaniline	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
2-Nitrophenol	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
3 & 4 Methylphenol	ND		0.854	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
3,3'-Dichlorobenzidine	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
3-Nitroaniline	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
4,6-Dinitro-2-methylphenol	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
4-Bromophenyl phenyl ether	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
4-Chloro-3-methylphenol	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
4-Chloroaniline	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
4-Chlorophenyl phenyl ether	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
4-Nitroaniline	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
4-Nitrophenol	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
Acenaphthene	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
Acenaphthylene	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
Acetophenone	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
Anthracene	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
Atrazine	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
Benzaldehyde	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
Benzo[a]anthracene	**0.0583**	**J**	0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
Benzo[a]pyrene	**0.0726**	**J**	0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
Benzo[b]fluoranthene	**0.121**	**J**	0.427	0.00181	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
Benzo[g,h,i]perylene	**0.0720**	**J**	0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
Benzo[k]fluoranthene	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
bis (2-chloroisopropyl) ether	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
Bis(2-chloroethoxy)methane	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
Bis(2-chloroethyl)ether	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
Bis(2-ethylhexyl) phthalate	**0.304**	**J B**	0.427	0.129	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
Butyl benzyl phthalate	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
Caprolactam	**0.186**	**J *+**	0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
Carbazole	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
Chrysene	**0.0755**	**J**	0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
Dibenz(a,h)anthracene	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
Dibenzofuran	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
Diethyl phthalate	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
Dimethyl phthalate	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
Di-n-butyl phthalate	ND		1.28	0.388	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
Di-n-octyl phthalate	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
Fluoranthene	**0.124**	**J**	0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/21/25 20:16	1
Fluorene	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
Hexachlorobenzene	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
Hexachlorobutadiene	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
Hexachlorocyclopentadiene	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
Hexachloroethane	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
Indeno[1,2,3-cd]pyrene	**0.0657**	**J**	0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
Isophorone	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
Naphthalene	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
Nitrobenzene	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
N-Nitrosodi-n-propylamine	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1

Client Sample ID: SED-6
Date Collected: 10/14/25 14:45
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38116-6
Matrix: Solid
Percent Solids: 73.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
Pentachlorophenol	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
Phenanthrene	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
Phenol	ND		0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/19/25 01:46	1
Pyrene	**0.121**	**J**	0.427	0.0427	mg/Kg	☼	10/17/25 09:18	10/22/25 12:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*77*		*40 - 140*	*10/17/25 09:18*	*10/19/25 01:46*	*1*
2-Fluorobiphenyl (Surr)	*75*		*40 - 140*	*10/17/25 09:18*	*10/19/25 01:46*	*1*
2-Fluorophenol (Surr)	*89*		*40 - 140*	*10/17/25 09:18*	*10/19/25 01:46*	*1*
Nitrobenzene-d5 (Surr)	*93*		*40 - 140*	*10/17/25 09:18*	*10/19/25 01:46*	*1*
Phenol-d5 (Surr)	*97*		*40 - 140*	*10/17/25 09:18*	*10/19/25 01:46*	*1*
Terphenyl-d14 (Surr)	*88*		*40 - 140*	*10/17/25 09:18*	*10/19/25 01:46*	*1*

Method: SW846 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**1.62**	**J**	3.37	0.978	mg/Kg	☼		10/18/25 01:23	1
Sulfate	**27.8**		13.5	13.2	mg/Kg	☼		10/18/25 01:23	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.922	0.211	mg/Kg	☼	10/20/25 15:15	10/24/25 05:12	5
Arsenic	**0.976**		0.553	0.0493	mg/Kg	☼	10/20/25 15:15	10/24/25 05:12	5
Barium	**19.1**		2.31	0.0130	mg/Kg	☼	10/20/25 15:15	10/24/25 05:12	5
Beryllium	**0.103**	**J**	0.461	0.0323	mg/Kg	☼	10/20/25 15:15	10/24/25 05:12	5
Cadmium	**0.0924**	**J B**	0.461	0.0150	mg/Kg	☼	10/20/25 15:15	10/24/25 05:12	5
Chromium	**7.22**		0.922	0.190	mg/Kg	☼	10/20/25 15:15	10/24/25 05:12	5
Cobalt	**5.15**		0.692	0.0261	mg/Kg	☼	10/20/25 15:15	10/24/25 05:12	5
Copper	**9.53**	**B**	0.461	0.0479	mg/Kg	☼	10/20/25 15:15	10/24/25 05:12	5
Lead	**12.3**	**B**	0.461	0.0544	mg/Kg	☼	10/20/25 15:15	10/24/25 05:12	5
Manganese	**122**		0.922	0.0567	mg/Kg	☼	10/20/25 15:15	10/24/25 05:12	5
Nickel	**15.3**		0.922	0.0241	mg/Kg	☼	10/20/25 15:15	10/24/25 05:12	5
Selenium	ND		2.31	0.164	mg/Kg	☼	10/20/25 15:15	10/24/25 05:12	5
Silver	**0.00575**	**J B**	0.231	0.00267	mg/Kg	☼	10/20/25 15:15	10/24/25 05:12	5
Thallium	ND		0.645	0.0389	mg/Kg	☼	10/20/25 15:15	10/24/25 05:12	5
Vanadium	**15.1**		0.922	0.116	mg/Kg	☼	10/20/25 15:15	10/24/25 05:12	5
Zinc	**53.6**		2.31	1.91	mg/Kg	☼	10/20/25 15:15	10/24/25 05:12	5

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0274**	**J**	0.121	0.0176	mg/Kg	☼	10/27/25 09:20	10/27/25 11:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7199)	**0.234**	**J**	1.32	0.132	mg/Kg	☼	10/17/25 09:31	10/22/25 19:15	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	**0.870**	**J**	1.36	0.435	mg/Kg	☼		10/23/25 11:42	1

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38116-1

Client Sample ID: SED-7
Date Collected: 10/14/25 15:35
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38116-7
Matrix: Solid
Percent Solids: 79.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.0226**	**J**	0.0253	0.0121	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
Benzene	ND		0.00505	0.000677	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
Bromobenzene	ND		0.00505	0.00131	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
Chlorobromomethane	ND		0.00505	0.000819	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
Dichlorobromomethane	ND		0.00505	0.000930	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
Bromoform	ND		0.00505	0.00131	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
Bromomethane	ND		0.00505	0.00253	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
2-Butanone (MEK)	ND		0.0253	0.00606	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
n-Butylbenzene	ND		0.00505	0.000970	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
sec-Butylbenzene	ND		0.00505	0.000960	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
tert-Butylbenzene	ND		0.00505	0.00111	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
Carbon disulfide	**0.00329**	**J**	0.00505	0.00256	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
Carbon tetrachloride	ND		0.00505	0.00172	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
Chlorobenzene	ND		0.00505	0.00133	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
Chloroethane	ND		0.00505	0.00333	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
Chloroform	ND		0.00505	0.00137	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
Chloromethane	ND		0.00505	0.00223	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
2-Chlorotoluene	ND		0.00505	0.00168	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
4-Chlorotoluene	ND		0.00505	0.000990	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
Chlorodibromomethane	ND		0.00505	0.00121	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
1,2-Dibromo-3-Chloropropane	ND		0.00505	0.00333	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
Ethylene Dibromide	ND		0.00505	0.00101	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
Dibromomethane	ND		0.00505	0.000839	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
1,2-Dichlorobenzene	ND		0.00505	0.00161	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
1,3-Dichlorobenzene	ND		0.00505	0.000960	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
1,4-Dichlorobenzene	ND		0.00505	0.000869	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
trans-1,4-Dichloro-2-butene	ND		0.00505	0.00253	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
1,1-Dichloroethane	ND		0.00505	0.000839	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
1,2-Dichloroethane	ND		0.00505	0.00186	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
cis-1,2-Dichloroethene	ND		0.00505	0.000768	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
trans-1,2-Dichloroethene	ND		0.00505	0.000970	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
1,1-Dichloroethene	ND		0.00505	0.00212	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
1,2-Dichloropropane	ND		0.00505	0.000768	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
1,3-Dichloropropane	ND		0.00505	0.00101	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
2,2-Dichloropropane	ND		0.00505	0.00111	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
1,1-Dichloropropene	ND		0.00505	0.000839	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
cis-1,3-Dichloropropene	ND		0.00505	0.00121	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
trans-1,3-Dichloropropene	ND		0.00505	0.00111	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
Ethylbenzene	ND		0.00505	0.000616	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
Hexachlorobutadiene	ND		0.00505	0.00253	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
2-Hexanone	ND		0.0253	0.00505	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
Iodomethane	ND		0.00505	0.00344	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
Isopropylbenzene	ND		0.00505	0.000687	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
4-Isopropyltoluene	ND		0.00505	0.00101	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
Methylene Chloride	ND		0.0152	0.0101	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
4-Methyl-2-pentanone (MIBK)	ND		0.0253	0.0136	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
Methyl tert-butyl ether	ND		0.00505	0.00101	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
Naphthalene	ND		0.00505	0.00303	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
N-Propylbenzene	ND		0.00505	0.000909	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1

Client Sample ID: SED-7
Date Collected: 10/14/25 15:35
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38116-7
Matrix: Solid
Percent Solids: 79.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.00505	0.00101	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
1,1,1,2-Tetrachloroethane	ND		0.00505	0.00111	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
1,1,2,2-Tetrachloroethane	ND		0.00505	0.00174	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
Tetrachloroethene	ND		0.00505	0.00303	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
Toluene	ND		0.00505	0.00101	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
1,2,3-Trichlorobenzene	ND		0.00505	0.00111	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
1,2,4-Trichlorobenzene	ND		0.00505	0.00203	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
1,1,1-Trichloroethane	ND		0.00505	0.00111	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
1,1,2-Trichloroethane	ND		0.00505	0.00163	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
Trichloroethene	ND		0.00505	0.00101	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
Trichlorofluoromethane	ND		0.00505	0.00245	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
1,2,3-Trichloropropane	ND		0.00505	0.00210	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00505	0.00190	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
1,2,4-Trimethylbenzene	ND		0.00505	0.00101	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
1,3,5-Trimethylbenzene	ND		0.00505	0.000839	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
Vinyl acetate	ND	*+	0.0253	0.00645	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
Vinyl chloride	ND		0.00505	0.00220	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
o-Xylene	ND		0.00505	0.00303	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
m-Xylene & p-Xylene	ND		0.00505	0.00303	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
Xylenes, Total	ND		0.0101	0.00606	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
Isopropyl ether	ND	*+	0.00505	0.00139	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
Hexane	ND		0.00505	0.00263	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
n-Heptane	ND		0.00505	0.00292	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1
Ethyl acetate	ND		0.0202	0.00505	mg/Kg	☼	10/21/25 10:30	10/21/25 18:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*50 - 150*	*10/21/25 10:30*	*10/21/25 18:55*	*1*
Dibromofluoromethane	*109*		*50 - 150*	*10/21/25 10:30*	*10/21/25 18:55*	*1*
Toluene-d8 (Surr)	*99*		*50 - 150*	*10/21/25 10:30*	*10/21/25 18:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*125*		*50 - 150*	*10/21/25 10:30*	*10/21/25 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	ND		0.00734	0.00734	mg/Kg	☼	10/17/25 12:03	10/21/25 02:46	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*46*		*10 - 150*	*10/17/25 12:03*	*10/21/25 02:46*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.761	0.0221	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
2,4,5-Trichlorophenol	ND		0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
2,4,6-Trichlorophenol	ND		0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
2,4-Dichlorophenol	ND		0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
2,4-Dimethylphenol	ND		0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
2,4-Dinitrophenol	ND		2.28	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
2,4-Dinitrotoluene	ND		0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
2,6-Dinitrotoluene	ND		0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
2-Chloronaphthalene	ND		0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
2-Chlorophenol	ND		0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
2-Methylnaphthalene	ND		0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2

Client Sample ID: SED-7

Date Collected: 10/14/25 15:35
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38116-7

Matrix: Solid
Percent Solids: 79.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
2-Nitroaniline	ND		0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
2-Nitrophenol	ND		0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
3 & 4 Methylphenol	ND		1.52	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
3,3'-Dichlorobenzidine	ND		0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
3-Nitroaniline	ND		0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
4,6-Dinitro-2-methylphenol	ND		0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
4-Bromophenyl phenyl ether	ND		0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
4-Chloro-3-methylphenol	ND		0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
4-Chloroaniline	ND		0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
4-Chlorophenyl phenyl ether	ND		0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
4-Nitroaniline	ND		0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
4-Nitrophenol	ND		0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
Acenaphthene	ND		0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
Acenaphthylene	ND		0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
Acetophenone	ND		0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
Anthracene	**0.140**	**J**	0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
Atrazine	ND		0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
Benzaldehyde	ND		0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
Benzo[a]anthracene	**0.404**	**J**	0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
Benzo[a]pyrene	**0.375**	**J**	0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
Benzo[b]fluoranthene	**0.534**	**J**	0.761	0.00323	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
Benzo[g,h,i]perylene	**0.298**	**J**	0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
Benzo[k]fluoranthene	**0.161**	**J**	0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
bis (2-chloroisopropyl) ether	ND		0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
Bis(2-chloroethoxy)methane	ND		0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
Bis(2-chloroethyl)ether	ND		0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
Bis(2-ethylhexyl) phthalate	**0.569**	**J B**	0.761	0.231	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
Butyl benzyl phthalate	ND		0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
Caprolactam	ND	*+	0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
Carbazole	ND		0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
Chrysene	**0.393**	**J**	0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
Dibenz(a,h)anthracene	ND		0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
Dibenzofuran	ND		0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
Diethyl phthalate	ND		0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
Dimethyl phthalate	ND		0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
Di-n-butyl phthalate	ND		2.28	0.692	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
Di-n-octyl phthalate	ND		0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
Fluoranthene	**0.970**		0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/21/25 20:46	2
Fluorene	ND		0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
Hexachlorobenzene	ND		0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
Hexachlorobutadiene	ND		0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
Hexachlorocyclopentadiene	ND		0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
Hexachloroethane	ND		0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
Indeno[1,2,3-cd]pyrene	**0.268**	**J**	0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
Isophorone	ND		0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
Naphthalene	ND		0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
Nitrobenzene	ND		0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
N-Nitrosodi-n-propylamine	ND		0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2

Client Sample ID: SED-7
Date Collected: 10/14/25 15:35
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38116-7
Matrix: Solid
Percent Solids: 79.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
Pentachlorophenol	ND		0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
Phenanthrene	**0.587**	**J**	0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
Phenol	ND		0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/19/25 02:17	2
Pyrene	**0.827**		0.761	0.0761	mg/Kg	☼	10/17/25 09:18	10/22/25 13:13	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*87*		*40 - 140*	*10/17/25 09:18*	*10/19/25 02:17*	*2*
2-Fluorobiphenyl (Surr)	*91*		*40 - 140*	*10/17/25 09:18*	*10/19/25 02:17*	*2*
2-Fluorophenol (Surr)	*92*		*40 - 140*	*10/17/25 09:18*	*10/19/25 02:17*	*2*
Nitrobenzene-d5 (Surr)	*99*		*40 - 140*	*10/17/25 09:18*	*10/19/25 02:17*	*2*
Phenol-d5 (Surr)	*97*		*40 - 140*	*10/17/25 09:18*	*10/19/25 02:17*	*2*
Terphenyl-d14 (Surr)	*96*		*40 - 140*	*10/17/25 09:18*	*10/19/25 02:17*	*2*

Method: SW846 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**1.69**	**J**	3.09	0.896	mg/Kg	☼		10/18/25 01:35	1
Sulfate	**16.1**		12.4	12.1	mg/Kg	☼		10/18/25 01:35	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.206**	**J B**	0.848	0.194	mg/Kg	☼	10/20/25 15:15	10/24/25 05:15	5
Arsenic	**0.787**		0.509	0.0454	mg/Kg	☼	10/20/25 15:15	10/24/25 05:15	5
Barium	**26.5**		2.12	0.0120	mg/Kg	☼	10/20/25 15:15	10/24/25 05:15	5
Beryllium	**0.172**	**J**	0.424	0.0297	mg/Kg	☼	10/20/25 15:15	10/24/25 05:15	5
Cadmium	**0.102**	**J B**	0.424	0.0138	mg/Kg	☼	10/20/25 15:15	10/24/25 05:15	5
Chromium	**4.87**		0.848	0.175	mg/Kg	☼	10/20/25 15:15	10/24/25 05:15	5
Cobalt	**4.89**		0.636	0.0240	mg/Kg	☼	10/20/25 15:15	10/24/25 05:15	5
Copper	**13.5**	**B**	0.424	0.0441	mg/Kg	☼	10/20/25 15:15	10/24/25 05:15	5
Lead	**21.4**	**B**	0.424	0.0500	mg/Kg	☼	10/20/25 15:15	10/24/25 05:15	5
Manganese	**115**		0.848	0.0522	mg/Kg	☼	10/20/25 15:15	10/24/25 05:15	5
Nickel	**15.1**		0.848	0.0222	mg/Kg	☼	10/20/25 15:15	10/24/25 05:15	5
Selenium	**0.168**	**J**	2.12	0.151	mg/Kg	☼	10/20/25 15:15	10/24/25 05:15	5
Silver	**0.0135**	**J B**	0.212	0.00246	mg/Kg	☼	10/20/25 15:15	10/24/25 05:15	5
Thallium	ND		0.594	0.0358	mg/Kg	☼	10/20/25 15:15	10/24/25 05:15	5
Vanadium	**12.2**		0.848	0.106	mg/Kg	☼	10/20/25 15:15	10/24/25 05:15	5
Zinc	**65.1**		2.12	1.76	mg/Kg	☼	10/20/25 15:15	10/24/25 05:15	5

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.109	0.0159	mg/Kg	☼	10/27/25 09:20	10/27/25 11:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7199)	ND		1.21	0.121	mg/Kg	☼	10/17/25 09:31	10/22/25 19:28	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		1.23	0.394	mg/Kg	☼		10/23/25 11:55	1

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38116-1

Client Sample ID: SED-8
Date Collected: 10/14/25 16:15
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38116-8
Matrix: Solid
Percent Solids: 78.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.0218**	**J**	0.0269	0.0129	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
Benzene	**0.00174**	**J**	0.00538	0.000720	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
Bromobenzene	ND		0.00538	0.00140	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
Chlorobromomethane	ND		0.00538	0.000871	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
Dichlorobromomethane	ND		0.00538	0.000989	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
Bromoform	ND		0.00538	0.00140	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
Bromomethane	ND		0.00538	0.00269	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
2-Butanone (MEK)	ND		0.0269	0.00645	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
n-Butylbenzene	ND		0.00538	0.00103	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
sec-Butylbenzene	ND		0.00538	0.00102	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
tert-Butylbenzene	ND		0.00538	0.00118	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
Carbon disulfide	ND		0.00538	0.00272	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
Carbon tetrachloride	ND		0.00538	0.00183	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
Chlorobenzene	ND		0.00538	0.00142	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
Chloroethane	ND		0.00538	0.00355	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
Chloroform	ND		0.00538	0.00146	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
Chloromethane	ND		0.00538	0.00238	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
2-Chlorotoluene	ND		0.00538	0.00178	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
4-Chlorotoluene	ND		0.00538	0.00105	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
Chlorodibromomethane	ND		0.00538	0.00129	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
1,2-Dibromo-3-Chloropropane	ND		0.00538	0.00355	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
Ethylene Dibromide	ND		0.00538	0.00108	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
Dibromomethane	ND		0.00538	0.000892	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
1,2-Dichlorobenzene	ND		0.00538	0.00171	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
1,3-Dichlorobenzene	ND		0.00538	0.00102	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
1,4-Dichlorobenzene	ND		0.00538	0.000925	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
trans-1,4-Dichloro-2-butene	ND		0.00538	0.00269	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
1,1-Dichloroethane	ND		0.00538	0.000892	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
1,2-Dichloroethane	ND		0.00538	0.00198	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
cis-1,2-Dichloroethene	ND		0.00538	0.000817	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
trans-1,2-Dichloroethene	ND		0.00538	0.00103	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
1,1-Dichloroethene	ND		0.00538	0.00226	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
1,2-Dichloropropane	ND		0.00538	0.000817	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
1,3-Dichloropropane	ND		0.00538	0.00108	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
2,2-Dichloropropane	ND		0.00538	0.00118	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
1,1-Dichloropropene	ND		0.00538	0.000892	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
cis-1,3-Dichloropropene	ND		0.00538	0.00129	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
trans-1,3-Dichloropropene	ND		0.00538	0.00118	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
Ethylbenzene	ND		0.00538	0.000656	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
Hexachlorobutadiene	ND		0.00538	0.00269	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
2-Hexanone	ND		0.0269	0.00538	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
Iodomethane	ND		0.00538	0.00366	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
Isopropylbenzene	ND		0.00538	0.000731	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
4-Isopropyltoluene	ND		0.00538	0.00108	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
Methylene Chloride	**0.0189**		0.0161	0.0108	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
4-Methyl-2-pentanone (MIBK)	ND		0.0269	0.0144	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
Methyl tert-butyl ether	ND		0.00538	0.00108	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
Naphthalene	ND		0.00538	0.00323	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
N-Propylbenzene	ND		0.00538	0.000968	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38116-1

Client Sample ID: SED-8
Date Collected: 10/14/25 16:15
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38116-8
Matrix: Solid
Percent Solids: 78.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.00538	0.00108	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
1,1,1,2-Tetrachloroethane	ND		0.00538	0.00118	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
1,1,2,2-Tetrachloroethane	ND		0.00538	0.00185	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
Tetrachloroethene	ND		0.00538	0.00323	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
Toluene	ND		0.00538	0.00108	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
1,2,3-Trichlorobenzene	ND		0.00538	0.00118	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
1,2,4-Trichlorobenzene	ND		0.00538	0.00216	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
1,1,1-Trichloroethane	ND		0.00538	0.00118	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
1,1,2-Trichloroethane	ND		0.00538	0.00173	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
Trichloroethene	ND		0.00538	0.00108	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
Trichlorofluoromethane	ND		0.00538	0.00260	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
1,2,3-Trichloropropane	ND		0.00538	0.00224	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00538	0.00202	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
1,2,4-Trimethylbenzene	ND		0.00538	0.00108	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
1,3,5-Trimethylbenzene	ND		0.00538	0.000892	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
Vinyl acetate	ND	*+	0.0269	0.00686	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
Vinyl chloride	ND		0.00538	0.00234	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
o-Xylene	ND		0.00538	0.00323	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
m-Xylene & p-Xylene	ND		0.00538	0.00323	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
Xylenes, Total	ND		0.0108	0.00645	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
Isopropyl ether	ND	*+	0.00538	0.00148	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
Hexane	ND		0.00538	0.00280	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
n-Heptane	ND		0.00538	0.00311	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1
Ethyl acetate	**0.00791**	**J**	0.0215	0.00538	mg/Kg	☼	10/21/25 10:30	10/21/25 19:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*50 - 150*	*10/21/25 10:30*	*10/21/25 19:16*	*1*
Dibromofluoromethane	*106*		*50 - 150*	*10/21/25 10:30*	*10/21/25 19:16*	*1*
Toluene-d8 (Surr)	*98*		*50 - 150*	*10/21/25 10:30*	*10/21/25 19:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*120*		*50 - 150*	*10/21/25 10:30*	*10/21/25 19:16*	*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		0.00726	0.00726	mg/Kg	☼	10/17/25 12:03	10/21/25 03:07	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*51*		*10 - 150*	*10/17/25 12:03*	*10/21/25 03:07*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.806	0.0234	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
2,4,5-Trichlorophenol	ND		0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
2,4,6-Trichlorophenol	ND		0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
2,4-Dichlorophenol	ND		0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
2,4-Dimethylphenol	ND		0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
2,4-Dinitrophenol	ND		2.42	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
2,4-Dinitrotoluene	ND		0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
2,6-Dinitrotoluene	ND		0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
2-Chloronaphthalene	ND		0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
2-Chlorophenol	ND		0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
2-Methylnaphthalene	ND		0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2

Client Sample ID: SED-8
Date Collected: 10/14/25 16:15
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38116-8
Matrix: Solid
Percent Solids: 78.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
2-Nitroaniline	ND		0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
2-Nitrophenol	ND		0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
3 & 4 Methylphenol	ND		1.61	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
3,3'-Dichlorobenzidine	ND		0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
3-Nitroaniline	ND		0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
4,6-Dinitro-2-methylphenol	ND		0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
4-Bromophenyl phenyl ether	ND		0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
4-Chloro-3-methylphenol	ND		0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
4-Chloroaniline	ND		0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
4-Chlorophenyl phenyl ether	ND		0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
4-Nitroaniline	ND		0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
4-Nitrophenol	ND		0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
Acenaphthene	ND		0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
Acenaphthylene	ND		0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
Acetophenone	ND		0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
Anthracene	ND		0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
Atrazine	ND		0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
Benzaldehyde	ND		0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
Benzo[a]anthracene	**0.220**	**J**	0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
Benzo[a]pyrene	**0.214**	**J**	0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
Benzo[b]fluoranthene	**0.280**	**J**	0.806	0.00342	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
Benzo[g,h,i]perylene	**0.147**	**J**	0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
Benzo[k]fluoranthene	**0.0928**	**J**	0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
bis (2-chloroisopropyl) ether	ND		0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
Bis(2-chloroethoxy)methane	ND		0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
Bis(2-chloroethyl)ether	ND		0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
Bis(2-ethylhexyl) phthalate	**0.591**	**J B**	0.806	0.244	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
Butyl benzyl phthalate	ND		0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
Caprolactam	ND	*+	0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
Carbazole	ND		0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
Chrysene	**0.179**	**J**	0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
Dibenz(a,h)anthracene	ND		0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
Dibenzofuran	ND		0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
Diethyl phthalate	ND		0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
Dimethyl phthalate	ND		0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
Di-n-butyl phthalate	ND		2.42	0.733	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
Di-n-octyl phthalate	ND		0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
Fluoranthene	**0.486**	**J**	0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/21/25 21:17	2
Fluorene	ND		0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
Hexachlorobenzene	ND		0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
Hexachlorobutadiene	ND		0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
Hexachlorocyclopentadiene	ND		0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
Hexachloroethane	ND		0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
Indeno[1,2,3-cd]pyrene	**0.142**	**J**	0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
Isophorone	ND		0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
Naphthalene	ND		0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
Nitrobenzene	ND		0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
N-Nitrosodi-n-propylamine	ND		0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2

Client Sample ID: SED-8
Date Collected: 10/14/25 16:15
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38116-8
Matrix: Solid
Percent Solids: 78.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
Pentachlorophenol	ND		0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
Phenanthrene	**0.101**	**J**	0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
Phenol	ND		0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/19/25 02:48	2
Pyrene	**0.615**	**J**	0.806	0.0806	mg/Kg	☼	10/17/25 09:18	10/22/25 13:44	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*78*		*40 - 140*	*10/17/25 09:18*	*10/19/25 02:48*	*2*
2-Fluorobiphenyl (Surr)	*86*		*40 - 140*	*10/17/25 09:18*	*10/19/25 02:48*	*2*
2-Fluorophenol (Surr)	*90*		*40 - 140*	*10/17/25 09:18*	*10/19/25 02:48*	*2*
Nitrobenzene-d5 (Surr)	*95*		*40 - 140*	*10/17/25 09:18*	*10/19/25 02:48*	*2*
Phenol-d5 (Surr)	*90*		*40 - 140*	*10/17/25 09:18*	*10/19/25 02:48*	*2*
Terphenyl-d14 (Surr)	*91*		*40 - 140*	*10/17/25 09:18*	*10/19/25 02:48*	*2*

Method: SW846 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**2.03**	**J**	3.16	0.916	mg/Kg	☼		10/18/25 01:46	1
Sulfate	**51.0**		12.6	12.4	mg/Kg	☼		10/18/25 01:46	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.782	0.179	mg/Kg	☼	10/20/25 15:15	10/24/25 05:18	5
Arsenic	**1.23**		0.469	0.0418	mg/Kg	☼	10/20/25 15:15	10/24/25 05:18	5
Barium	**36.6**		1.95	0.0111	mg/Kg	☼	10/20/25 15:15	10/24/25 05:18	5
Beryllium	**0.164**	**J**	0.391	0.0274	mg/Kg	☼	10/20/25 15:15	10/24/25 05:18	5
Cadmium	**0.104**	**J B**	0.391	0.0127	mg/Kg	☼	10/20/25 15:15	10/24/25 05:18	5
Chromium	**14.9**		0.782	0.161	mg/Kg	☼	10/20/25 15:15	10/24/25 05:18	5
Cobalt	**5.61**		0.586	0.0221	mg/Kg	☼	10/20/25 15:15	10/24/25 05:18	5
Copper	**15.6**	**B**	0.391	0.0407	mg/Kg	☼	10/20/25 15:15	10/24/25 05:18	5
Lead	**14.8**	**B**	0.391	0.0461	mg/Kg	☼	10/20/25 15:15	10/24/25 05:18	5
Manganese	**129**		0.782	0.0481	mg/Kg	☼	10/20/25 15:15	10/24/25 05:18	5
Nickel	**14.3**		0.782	0.0204	mg/Kg	☼	10/20/25 15:15	10/24/25 05:18	5
Selenium	**0.151**	**J**	1.95	0.139	mg/Kg	☼	10/20/25 15:15	10/24/25 05:18	5
Silver	**0.00754**	**J B**	0.195	0.00227	mg/Kg	☼	10/20/25 15:15	10/24/25 05:18	5
Thallium	ND		0.547	0.0330	mg/Kg	☼	10/20/25 15:15	10/24/25 05:18	5
Vanadium	**22.1**		0.782	0.0981	mg/Kg	☼	10/20/25 15:15	10/24/25 05:18	5
Zinc	**55.4**		1.95	1.62	mg/Kg	☼	10/20/25 15:15	10/24/25 05:18	5

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.123	0.0179	mg/Kg	☼	10/27/25 09:20	10/27/25 11:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7199)	ND		1.17	0.117	mg/Kg	☼	10/17/25 09:31	10/22/25 19:40	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		1.25	0.401	mg/Kg	☼		10/23/25 11:58	1

Client Sample ID: SED-9
Date Collected: 10/14/25 16:45
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38116-9
Matrix: Solid
Percent Solids: 77.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.0248**	**J**	0.0257	0.0123	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
Benzene	ND		0.00513	0.000688	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
Bromobenzene	ND		0.00513	0.00133	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
Chlorobromomethane	ND		0.00513	0.000831	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
Dichlorobromomethane	ND		0.00513	0.000944	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
Bromoform	ND		0.00513	0.00133	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
Bromomethane	ND		0.00513	0.00257	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
2-Butanone (MEK)	ND		0.0257	0.00616	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
n-Butylbenzene	ND		0.00513	0.000985	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
sec-Butylbenzene	ND		0.00513	0.000975	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
tert-Butylbenzene	ND		0.00513	0.00113	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
Carbon disulfide	ND		0.00513	0.00260	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
Carbon tetrachloride	ND		0.00513	0.00174	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
Chlorobenzene	ND		0.00513	0.00135	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
Chloroethane	ND		0.00513	0.00339	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
Chloroform	ND		0.00513	0.00140	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
Chloromethane	ND		0.00513	0.00227	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
2-Chlorotoluene	ND		0.00513	0.00170	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
4-Chlorotoluene	ND		0.00513	0.00101	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
Chlorodibromomethane	ND		0.00513	0.00123	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
1,2-Dibromo-3-Chloropropane	ND		0.00513	0.00339	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
Ethylene Dibromide	ND		0.00513	0.00103	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
Dibromomethane	ND		0.00513	0.000852	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
1,2-Dichlorobenzene	ND		0.00513	0.00163	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
1,3-Dichlorobenzene	ND		0.00513	0.000975	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
1,4-Dichlorobenzene	ND		0.00513	0.000882	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
trans-1,4-Dichloro-2-butene	ND		0.00513	0.00257	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
1,1-Dichloroethane	ND		0.00513	0.000852	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
1,2-Dichloroethane	ND		0.00513	0.00189	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
cis-1,2-Dichloroethene	ND		0.00513	0.000780	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
trans-1,2-Dichloroethene	ND		0.00513	0.000985	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
1,1-Dichloroethene	ND		0.00513	0.00215	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
1,2-Dichloropropane	ND		0.00513	0.000780	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
1,3-Dichloropropane	ND		0.00513	0.00103	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
2,2-Dichloropropane	ND		0.00513	0.00113	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
1,1-Dichloropropene	ND		0.00513	0.000852	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
cis-1,3-Dichloropropene	ND		0.00513	0.00123	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
trans-1,3-Dichloropropene	ND		0.00513	0.00113	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
Ethylbenzene	ND		0.00513	0.000626	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
Hexachlorobutadiene	ND		0.00513	0.00257	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
2-Hexanone	ND		0.0257	0.00513	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
Iodomethane	ND		0.00513	0.00349	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
Isopropylbenzene	ND		0.00513	0.000698	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
4-Isopropyltoluene	ND		0.00513	0.00103	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
Methylene Chloride	ND		0.0154	0.0103	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
4-Methyl-2-pentanone (MIBK)	ND		0.0257	0.0138	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
Methyl tert-butyl ether	ND		0.00513	0.00103	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
Naphthalene	ND		0.00513	0.00308	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
N-Propylbenzene	ND		0.00513	0.000924	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1

Client Sample ID: SED-9
Date Collected: 10/14/25 16:45
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38116-9
Matrix: Solid
Percent Solids: 77.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.00513	0.00103	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
1,1,1,2-Tetrachloroethane	ND		0.00513	0.00113	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
1,1,2,2-Tetrachloroethane	ND		0.00513	0.00176	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
Tetrachloroethene	ND		0.00513	0.00308	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
Toluene	ND		0.00513	0.00103	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
1,2,3-Trichlorobenzene	ND		0.00513	0.00113	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
1,2,4-Trichlorobenzene	ND		0.00513	0.00206	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
1,1,1-Trichloroethane	ND		0.00513	0.00113	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
1,1,2-Trichloroethane	ND		0.00513	0.00165	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
Trichloroethene	ND		0.00513	0.00103	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
Trichlorofluoromethane	ND		0.00513	0.00248	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
1,2,3-Trichloropropane	ND		0.00513	0.00213	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00513	0.00193	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
1,2,4-Trimethylbenzene	ND		0.00513	0.00103	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
1,3,5-Trimethylbenzene	ND		0.00513	0.000852	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
Vinyl acetate	ND	*+	0.0257	0.00655	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
Vinyl chloride	ND		0.00513	0.00224	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
o-Xylene	ND		0.00513	0.00308	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
m-Xylene & p-Xylene	ND		0.00513	0.00308	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
Xylenes, Total	ND		0.0103	0.00616	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
Isopropyl ether	ND	*+	0.00513	0.00142	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
Hexane	ND		0.00513	0.00267	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
n-Heptane	ND		0.00513	0.00297	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1
Ethyl acetate	ND		0.0205	0.00513	mg/Kg	☼	10/21/25 10:30	10/21/25 19:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*50 - 150*	*10/21/25 10:30*	*10/21/25 19:37*	*1*
Dibromofluoromethane	*97*		*50 - 150*	*10/21/25 10:30*	*10/21/25 19:37*	*1*
Toluene-d8 (Surr)	*128*		*50 - 150*	*10/21/25 10:30*	*10/21/25 19:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*50 - 150*	*10/21/25 10:30*	*10/21/25 19:37*	*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		0.00730	0.00730	mg/Kg	☼	10/17/25 12:03	10/21/25 03:28	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*45*		*10 - 150*	*10/17/25 12:03*	*10/21/25 03:28*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.805	0.0234	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
2,4,5-Trichlorophenol	ND		0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
2,4,6-Trichlorophenol	ND		0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
2,4-Dichlorophenol	ND		0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
2,4-Dimethylphenol	ND		0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
2,4-Dinitrophenol	ND		2.41	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
2,4-Dinitrotoluene	ND		0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
2,6-Dinitrotoluene	ND		0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
2-Chloronaphthalene	ND		0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
2-Chlorophenol	ND		0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
2-Methylnaphthalene	**0.0850**	**J**	0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2

Client Sample ID: SED-9
Date Collected: 10/14/25 16:45
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38116-9
Matrix: Solid
Percent Solids: 77.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
2-Nitroaniline	ND		0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
2-Nitrophenol	ND		0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
3 & 4 Methylphenol	ND		1.61	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
3,3'-Dichlorobenzidine	ND		0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
3-Nitroaniline	ND		0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
4,6-Dinitro-2-methylphenol	ND		0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
4-Bromophenyl phenyl ether	ND		0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
4-Chloro-3-methylphenol	ND		0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
4-Chloroaniline	ND		0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
4-Chlorophenyl phenyl ether	ND		0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
4-Nitroaniline	ND		0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
4-Nitrophenol	ND		0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
Acenaphthene	ND		0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
Acenaphthylene	ND		0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
Acetophenone	ND		0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
Anthracene	ND		0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
Atrazine	ND		0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
Benzaldehyde	ND		0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
Benzo[a]anthracene	**0.310**	**J**	0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
Benzo[a]pyrene	**0.314**	**J**	0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
Benzo[b]fluoranthene	**0.452**	**J**	0.805	0.00341	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
Benzo[g,h,i]perylene	**0.218**	**J**	0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
Benzo[k]fluoranthene	**0.143**	**J**	0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
bis (2-chloroisopropyl) ether	ND		0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
Bis(2-chloroethoxy)methane	ND		0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
Bis(2-chloroethyl)ether	ND		0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
Bis(2-ethylhexyl) phthalate	**0.638**	**J B**	0.805	0.244	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
Butyl benzyl phthalate	**0.676**	**J**	0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
Caprolactam	ND	*+	0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
Carbazole	ND		0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
Chrysene	**0.341**	**J**	0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
Dibenz(a,h)anthracene	ND		0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
Dibenzofuran	ND		0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
Diethyl phthalate	ND		0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
Dimethyl phthalate	ND		0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
Di-n-butyl phthalate	ND		2.41	0.732	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
Di-n-octyl phthalate	ND		0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
Fluoranthene	**0.755**	**J**	0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/21/25 21:48	2
Fluorene	ND		0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
Hexachlorobenzene	ND		0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
Hexachlorobutadiene	ND		0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
Hexachlorocyclopentadiene	ND		0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
Hexachloroethane	ND		0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
Indeno[1,2,3-cd]pyrene	**0.220**	**J**	0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
Isophorone	ND		0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
Naphthalene	**0.286**	**J**	0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
Nitrobenzene	ND		0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
N-Nitrosodi-n-propylamine	ND		0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2

Client Sample ID: SED-9
Date Collected: 10/14/25 16:45
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38116-9
Matrix: Solid
Percent Solids: 77.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
Pentachlorophenol	ND		0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
Phenanthrene	**0.301**	**J**	0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
Phenol	ND		0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/19/25 03:19	2
Pyrene	**0.640**	**J**	0.805	0.0805	mg/Kg	☼	10/17/25 09:18	10/22/25 14:15	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*82*		*40 - 140*	*10/17/25 09:18*	*10/19/25 03:19*	*2*
2-Fluorobiphenyl (Surr)	*90*		*40 - 140*	*10/17/25 09:18*	*10/19/25 03:19*	*2*
2-Fluorophenol (Surr)	*94*		*40 - 140*	*10/17/25 09:18*	*10/19/25 03:19*	*2*
Nitrobenzene-d5 (Surr)	*96*		*40 - 140*	*10/17/25 09:18*	*10/19/25 03:19*	*2*
Phenol-d5 (Surr)	*87*		*40 - 140*	*10/17/25 09:18*	*10/19/25 03:19*	*2*
Terphenyl-d14 (Surr)	*93*		*40 - 140*	*10/17/25 09:18*	*10/19/25 03:19*	*2*

Method: SW846 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**1.36**	**J**	3.21	0.930	mg/Kg	☼		10/18/25 01:57	1
Sulfate	**30.0**		12.8	12.6	mg/Kg	☼		10/18/25 01:57	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.217**	**J B**	0.781	0.179	mg/Kg	☼	10/20/25 15:15	10/24/25 16:45	5
Arsenic	**0.839**		0.469	0.0418	mg/Kg	☼	10/20/25 15:15	10/24/25 16:45	5
Barium	**15.4**		1.95	0.0111	mg/Kg	☼	10/20/25 15:15	10/24/25 16:45	5
Beryllium	**0.139**	**J**	0.391	0.0274	mg/Kg	☼	10/20/25 15:15	10/24/25 16:45	5
Cadmium	**0.108**	**J B**	0.391	0.0127	mg/Kg	☼	10/20/25 15:15	10/24/25 16:45	5
Chromium	**6.76**		0.781	0.161	mg/Kg	☼	10/20/25 15:15	10/24/25 16:45	5
Cobalt	**3.47**		0.586	0.0221	mg/Kg	☼	10/20/25 15:15	10/24/25 16:45	5
Copper	**10.2**	**B**	0.391	0.0406	mg/Kg	☼	10/20/25 15:15	10/24/25 16:45	5
Lead	**13.4**	**B**	0.391	0.0461	mg/Kg	☼	10/20/25 15:15	10/24/25 16:45	5
Manganese	**87.4**		0.781	0.0481	mg/Kg	☼	10/20/25 15:15	10/24/25 16:45	5
Nickel	**9.73**		0.781	0.0204	mg/Kg	☼	10/20/25 15:15	10/24/25 16:45	5
Selenium	**0.384**	**J**	1.95	0.139	mg/Kg	☼	10/20/25 15:15	10/24/25 16:45	5
Silver	**0.0146**	**J B**	0.195	0.00227	mg/Kg	☼	10/20/25 15:15	10/24/25 16:45	5
Thallium	**0.0393**	**J B**	0.547	0.0329	mg/Kg	☼	10/20/25 15:15	10/24/25 16:45	5
Vanadium	**11.0**		0.781	0.0981	mg/Kg	☼	10/20/25 15:15	10/24/25 16:45	5
Zinc	**49.8**		1.95	1.62	mg/Kg	☼	10/20/25 15:15	10/24/25 16:45	5

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.120	0.0176	mg/Kg	☼	10/27/25 09:20	10/27/25 12:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7199)	**0.131**	**J**	1.22	0.122	mg/Kg	☼	10/17/25 09:31	10/22/25 19:53	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		1.28	0.409	mg/Kg	☼		10/23/25 12:00	1

Client Sample ID: 101425-Dup-SED
Lab Sample ID: 752-38116-10

Date Collected: 10/14/25 00:00
Matrix: Solid

Date Received: 10/15/25 08:00
Percent Solids: 81.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.0248**		0.0240	0.0115	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
Benzene	ND		0.00480	0.000643	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
Bromobenzene	ND		0.00480	0.00125	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
Chlorobromomethane	ND		0.00480	0.000777	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
Dichlorobromomethane	ND		0.00480	0.000883	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
Bromoform	ND		0.00480	0.00125	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
Bromomethane	ND		0.00480	0.00240	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
2-Butanone (MEK)	ND		0.0240	0.00576	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
n-Butylbenzene	ND		0.00480	0.000921	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
sec-Butylbenzene	ND		0.00480	0.000911	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
tert-Butylbenzene	ND		0.00480	0.00106	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
Carbon disulfide	**0.00327**	**J**	0.00480	0.00243	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
Carbon tetrachloride	ND		0.00480	0.00163	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
Chlorobenzene	ND		0.00480	0.00127	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
Chloroethane	ND		0.00480	0.00317	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
Chloroform	ND		0.00480	0.00130	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
Chloromethane	ND		0.00480	0.00212	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
2-Chlorotoluene	ND		0.00480	0.00159	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
4-Chlorotoluene	ND		0.00480	0.000940	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
Chlorodibromomethane	ND		0.00480	0.00115	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
1,2-Dibromo-3-Chloropropane	ND	*1	0.00480	0.00317	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
Ethylene Dibromide	ND		0.00480	0.000959	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
Dibromomethane	ND		0.00480	0.000796	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
1,2-Dichlorobenzene	ND		0.00480	0.00153	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
1,3-Dichlorobenzene	ND		0.00480	0.000911	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
1,4-Dichlorobenzene	ND		0.00480	0.000825	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
trans-1,4-Dichloro-2-butene	ND		0.00480	0.00240	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
1,1-Dichloroethane	ND		0.00480	0.000796	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
1,2-Dichloroethane	ND		0.00480	0.00177	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
cis-1,2-Dichloroethene	ND		0.00480	0.000729	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
trans-1,2-Dichloroethene	ND		0.00480	0.000921	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
1,1-Dichloroethene	ND		0.00480	0.00201	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
1,2-Dichloropropane	ND		0.00480	0.000729	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
1,3-Dichloropropane	ND	*+	0.00480	0.000959	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
2,2-Dichloropropane	ND		0.00480	0.00106	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
1,1-Dichloropropene	ND		0.00480	0.000796	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
cis-1,3-Dichloropropene	ND		0.00480	0.00115	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
trans-1,3-Dichloropropene	ND	*+	0.00480	0.00106	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
Ethylbenzene	ND		0.00480	0.000585	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
Hexachlorobutadiene	ND	*1	0.00480	0.00240	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
2-Hexanone	ND	*+	0.0240	0.00480	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
Iodomethane	ND		0.00480	0.00326	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
Isopropylbenzene	ND		0.00480	0.000652	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
4-Isopropyltoluene	ND		0.00480	0.000959	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
Methylene Chloride	ND		0.0144	0.00959	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
4-Methyl-2-pentanone (MIBK)	ND		0.0240	0.0129	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
Methyl tert-butyl ether	ND		0.00480	0.000959	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
Naphthalene	ND	*1	0.00480	0.00288	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
N-Propylbenzene	ND		0.00480	0.000863	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1

Client Sample ID: 101425-Dup-SED

Date Collected: 10/14/25 00:00
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38116-10

Matrix: Solid
Percent Solids: 81.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.00480	0.000959	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
1,1,1,2-Tetrachloroethane	ND		0.00480	0.00106	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
1,1,2,2-Tetrachloroethane	ND		0.00480	0.00165	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
Tetrachloroethene	ND		0.00480	0.00288	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
Toluene	ND		0.00480	0.000959	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
1,2,3-Trichlorobenzene	ND	*1	0.00480	0.00106	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
1,2,4-Trichlorobenzene	ND	*1	0.00480	0.00193	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
1,1,1-Trichloroethane	ND		0.00480	0.00106	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
1,1,2-Trichloroethane	ND	*+	0.00480	0.00154	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
Trichloroethene	ND		0.00480	0.000959	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
Trichlorofluoromethane	ND		0.00480	0.00232	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
1,2,3-Trichloropropane	ND		0.00480	0.00200	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00480	0.00180	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
1,2,4-Trimethylbenzene	ND		0.00480	0.000959	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
1,3,5-Trimethylbenzene	ND		0.00480	0.000796	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
Vinyl acetate	ND		0.0240	0.00612	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
Vinyl chloride	ND		0.00480	0.00209	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
o-Xylene	ND		0.00480	0.00288	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
m-Xylene & p-Xylene	ND		0.00480	0.00288	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
Xylenes, Total	ND		0.00959	0.00576	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
Isopropyl ether	ND	*+	0.00480	0.00132	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
Hexane	ND		0.00480	0.00249	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
n-Heptane	ND		0.00480	0.00277	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1
Ethyl acetate	ND		0.0192	0.00480	mg/Kg	☼	10/22/25 15:18	10/22/25 18:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*50 - 150*	*10/22/25 15:18*	*10/22/25 18:31*	*1*
Dibromofluoromethane	*104*		*50 - 150*	*10/22/25 15:18*	*10/22/25 18:31*	*1*
Toluene-d8 (Surr)	*95*		*50 - 150*	*10/22/25 15:18*	*10/22/25 18:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*50 - 150*	*10/22/25 15:18*	*10/22/25 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		0.00709	0.00709	mg/Kg	☼	10/17/25 12:03	10/21/25 03:50	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*46*		*10 - 150*	*10/17/25 12:03*	*10/21/25 03:50*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.703	0.0204	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
2,4,5-Trichlorophenol	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
2,4,6-Trichlorophenol	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
2,4-Dichlorophenol	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
2,4-Dimethylphenol	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
2,4-Dinitrophenol	ND		2.11	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
2,4-Dinitrotoluene	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
2,6-Dinitrotoluene	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
2-Chloronaphthalene	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
2-Chlorophenol	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
2-Methylnaphthalene	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2

Client Sample ID: 101425-Dup-SED
Lab Sample ID: 752-38116-10
Date Collected: 10/14/25 00:00
Matrix: Solid
Date Received: 10/15/25 08:00
Percent Solids: 81.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
2-Nitroaniline	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
2-Nitrophenol	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
3 & 4 Methylphenol	ND		1.41	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
3,3'-Dichlorobenzidine	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
3-Nitroaniline	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
4,6-Dinitro-2-methylphenol	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
4-Bromophenyl phenyl ether	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
4-Chloro-3-methylphenol	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
4-Chloroaniline	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
4-Chlorophenyl phenyl ether	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
4-Nitroaniline	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
4-Nitrophenol	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
Acenaphthene	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
Acenaphthylene	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
Acetophenone	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
Anthracene	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
Atrazine	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
Benzaldehyde	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
Benzo[a]anthracene	**0.379**	**J**	0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
Benzo[a]pyrene	**0.476**	**J**	0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
Benzo[b]fluoranthene	**0.736**		0.703	0.00298	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
Benzo[g,h,i]perylene	**0.419**	**J**	0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
Benzo[k]fluoranthene	**0.221**	**J**	0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
bis (2-chloroisopropyl) ether	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
Bis(2-chloroethoxy)methane	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
Bis(2-chloroethyl)ether	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
Bis(2-ethylhexyl) phthalate	**0.534**	**J B**	0.703	0.213	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
Butyl benzyl phthalate	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
Caprolactam	ND	*+	0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
Carbazole	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
Chrysene	**0.507**	**J**	0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
Dibenz(a,h)anthracene	**0.0763**	**J**	0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
Dibenzofuran	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
Diethyl phthalate	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
Dimethyl phthalate	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
Di-n-butyl phthalate	ND		2.11	0.639	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
Di-n-octyl phthalate	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
Fluoranthene	**1.30**		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/23/25 13:21	2
Fluorene	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
Hexachlorobenzene	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
Hexachlorobutadiene	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
Hexachlorocyclopentadiene	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
Hexachloroethane	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
Indeno[1,2,3-cd]pyrene	**0.384**	**J**	0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
Isophorone	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
Naphthalene	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
Nitrobenzene	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
N-Nitrosodi-n-propylamine	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2

Client Sample ID: 101425-Dup-SED

Date Collected: 10/14/25 00:00
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38116-10

Matrix: Solid
Percent Solids: 81.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
Pentachlorophenol	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
Phenanthrene	**0.581**	**J**	0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
Phenol	ND		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/19/25 03:50	2
Pyrene	**1.03**		0.703	0.0703	mg/Kg	☼	10/17/25 09:18	10/23/25 13:21	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*84*		*40 - 140*	*10/17/25 09:18*	*10/19/25 03:50*	*2*
2-Fluorobiphenyl (Surr)	*86*		*40 - 140*	*10/17/25 09:18*	*10/19/25 03:50*	*2*
2-Fluorophenol (Surr)	*95*		*40 - 140*	*10/17/25 09:18*	*10/19/25 03:50*	*2*
Nitrobenzene-d5 (Surr)	*105*		*40 - 140*	*10/17/25 09:18*	*10/19/25 03:50*	*2*
Phenol-d5 (Surr)	*105*		*40 - 140*	*10/17/25 09:18*	*10/19/25 03:50*	*2*
Terphenyl-d14 (Surr)	*97*		*40 - 140*	*10/17/25 09:18*	*10/19/25 03:50*	*2*

Method: SW846 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**1.34**	**J**	3.03	0.878	mg/Kg	☼		10/18/25 02:09	1
Sulfate	**19.7**		12.1	11.9	mg/Kg	☼		10/18/25 02:09	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.898	0.205	mg/Kg	☼	10/20/25 15:15	10/24/25 16:53	5
Arsenic	**0.985**		0.539	0.0480	mg/Kg	☼	10/20/25 15:15	10/24/25 16:53	5
Barium	**19.4**		2.24	0.0127	mg/Kg	☼	10/20/25 15:15	10/24/25 16:53	5
Beryllium	**0.156**	**J**	0.449	0.0315	mg/Kg	☼	10/20/25 15:15	10/24/25 16:53	5
Cadmium	**0.118**	**J B**	0.449	0.0146	mg/Kg	☼	10/20/25 15:15	10/24/25 16:53	5
Chromium	**5.43**		0.898	0.185	mg/Kg	☼	10/20/25 15:15	10/24/25 16:53	5
Cobalt	**3.68**		0.673	0.0254	mg/Kg	☼	10/20/25 15:15	10/24/25 16:53	5
Copper	**14.9**	**B**	0.449	0.0467	mg/Kg	☼	10/20/25 15:15	10/24/25 16:53	5
Lead	**23.5**	**B**	0.449	0.0530	mg/Kg	☼	10/20/25 15:15	10/24/25 16:53	5
Manganese	**97.1**		0.898	0.0552	mg/Kg	☼	10/20/25 15:15	10/24/25 16:53	5
Nickel	**11.7**		0.898	0.0235	mg/Kg	☼	10/20/25 15:15	10/24/25 16:53	5
Selenium	**0.205**	**J**	2.24	0.159	mg/Kg	☼	10/20/25 15:15	10/24/25 16:53	5
Silver	**0.0101**	**J B**	0.224	0.00260	mg/Kg	☼	10/20/25 15:15	10/24/25 16:53	5
Thallium	**0.0379**	**J B**	0.628	0.0378	mg/Kg	☼	10/20/25 15:15	10/24/25 16:53	5
Vanadium	**10.3**		0.898	0.113	mg/Kg	☼	10/20/25 15:15	10/24/25 16:53	5
Zinc	**50.9**		2.24	1.86	mg/Kg	☼	10/20/25 15:15	10/24/25 16:53	5

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.106	0.0154	mg/Kg	☼	10/27/25 09:20	10/27/25 12:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7199)	ND		1.20	0.120	mg/Kg	☼	10/17/25 09:31	10/22/25 20:06	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		1.21	0.388	mg/Kg	☼		10/23/25 12:03	1

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38116-1

Client Sample ID: Trip Blank

Date Collected: 10/14/25 00:00
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38116-11

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			10/23/25 20:39	1
Benzene	ND		1.00	0.500	ug/L			10/23/25 20:39	1
Bromobenzene	ND		1.00	0.540	ug/L			10/23/25 20:39	1
Bromoform	ND		5.00	0.250	ug/L			10/23/25 20:39	1
Bromomethane	ND	*+	1.00	0.980	ug/L			10/23/25 20:39	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			10/23/25 20:39	1
Carbon disulfide	ND		1.00	0.500	ug/L			10/23/25 20:39	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			10/23/25 20:39	1
Chlorobenzene	ND		1.00	0.420	ug/L			10/23/25 20:39	1
Chlorobromomethane	ND		1.00	0.520	ug/L			10/23/25 20:39	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			10/23/25 20:39	1
Chloroethane	ND		1.00	0.760	ug/L			10/23/25 20:39	1
Chloroform	ND		1.00	0.900	ug/L			10/23/25 20:39	1
Chloromethane	ND		1.00	0.400	ug/L			10/23/25 20:39	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			10/23/25 20:39	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			10/23/25 20:39	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			10/23/25 20:39	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			10/23/25 20:39	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			10/23/25 20:39	1
Dibromomethane	ND		5.00	0.220	ug/L			10/23/25 20:39	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			10/23/25 20:39	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			10/23/25 20:39	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			10/23/25 20:39	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			10/23/25 20:39	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			10/23/25 20:39	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			10/23/25 20:39	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			10/23/25 20:39	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 20:39	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 20:39	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 20:39	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			10/23/25 20:39	1
Ethyl acetate	ND		10.0	6.14	ug/L			10/23/25 20:39	1
Ethylbenzene	ND		1.00	0.500	ug/L			10/23/25 20:39	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			10/23/25 20:39	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			10/23/25 20:39	1
Hexane	ND		1.00	0.960	ug/L			10/23/25 20:39	1
2-Hexanone	ND		25.0	4.26	ug/L			10/23/25 20:39	1
Iodomethane	ND		1.00	0.900	ug/L			10/23/25 20:39	1
Isopropylbenzene	ND		1.00	0.530	ug/L			10/23/25 20:39	1
Isopropyl ether	ND		1.00	0.740	ug/L			10/23/25 20:39	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			10/23/25 20:39	1
Methylene Chloride	ND		5.00	3.00	ug/L			10/23/25 20:39	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			10/23/25 20:39	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			10/23/25 20:39	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			10/23/25 20:39	1
Naphthalene	ND		5.00	3.00	ug/L			10/23/25 20:39	1
n-Butylbenzene	ND	*+	1.00	0.760	ug/L			10/23/25 20:39	1
n-Heptane	ND		1.00	0.210	ug/L			10/23/25 20:39	1
N-Propylbenzene	ND		1.00	0.690	ug/L			10/23/25 20:39	1

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38116-1

Client Sample ID: Trip Blank

Date Collected: 10/14/25 00:00
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38116-11

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			10/23/25 20:39	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			10/23/25 20:39	1
Styrene	ND		1.00	1.00	ug/L			10/23/25 20:39	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			10/23/25 20:39	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			10/23/25 20:39	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			10/23/25 20:39	1
Tetrachloroethene	ND		1.00	0.330	ug/L			10/23/25 20:39	1
Toluene	ND		1.00	0.900	ug/L			10/23/25 20:39	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			10/23/25 20:39	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			10/23/25 20:39	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			10/23/25 20:39	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			10/23/25 20:39	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			10/23/25 20:39	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			10/23/25 20:39	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			10/23/25 20:39	1
Trichloroethene	ND		1.00	0.150	ug/L			10/23/25 20:39	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			10/23/25 20:39	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			10/23/25 20:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			10/23/25 20:39	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			10/23/25 20:39	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			10/23/25 20:39	1
Vinyl acetate	ND		25.0	0.930	ug/L			10/23/25 20:39	1
Vinyl chloride	ND		1.00	0.500	ug/L			10/23/25 20:39	1
Xylenes, Total	ND		10.0	6.00	ug/L			10/23/25 20:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*56 - 136*		*10/23/25 20:39*	*1*
Dibromofluoromethane	*107*		*79 - 130*		*10/23/25 20:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*59 - 146*		*10/23/25 20:39*	*1*
Toluene-d8 (Surr)	*103*		*64 - 132*		*10/23/25 20:39*	*1*

Surrogate Summary

Client: S&ME Inc
Job ID: 752-38116-1
Project/Site: East End Park, Durham, NC

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	TOL	DCA
Lab Sample ID	Client Sample ID	(50-150)	(50-150)	(50-150)	(50-150)
752-38116-1	SED-1	97	106	99	127
752-38116-2	SED-2	99	110	99	127
752-38116-3	SED-3	102	102	101	121
752-38116-4	SED-4	97	106	99	126
752-38116-5	SED-5	98	106	99	126
752-38116-6	SED-6	92	107	100	126
752-38116-7	SED-7	99	109	99	125
752-38116-8	SED-8	97	106	98	120
752-38116-9	SED-9	100	97	128	99
752-38116-10	101425-Dup-SED	92	104	95	104
LCS 400-727573/1-A	Lab Control Sample	96	106	95	129
LCS 400-727744/2-A	Lab Control Sample	110	83	101	96
LCSD 400-727744/3-A	Lab Control Sample Dup	101	96	117	97
MB 400-727573/2-A	Method Blank	97	110	100	127
MB 400-727744/1-A	Method Blank	98	90	74	108

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(56-136)	(79-130)	(59-146)	(64-132)
752-38116-11	Trip Blank	98	107	109	103
LCS 400-727836/1002	Lab Control Sample	91	105	101	102
MB 400-727836/5	Method Blank	100	108	109	101

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: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(40-140)	(40-140)	(40-140)	(40-140)	(40-140)	(40-140)
752-38116-1	SED-1	71	86	86	93	78	93
752-38116-2	SED-2	75	89	91	96	86	92
752-38116-3	SED-3	75	88	91	96	92	87
752-38116-4	SED-4	81	86	93	96	100	94
752-38116-5	SED-5	88	86	94	100	96	89
752-38116-6	SED-6	77	75	89	93	97	88
752-38116-7	SED-7	87	91	92	99	97	96

Surrogate Summary

Client: S&ME Inc
Job ID: 752-38116-1
Project/Site: East End Park, Durham, NC

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(40-140)	(40-140)	(40-140)	(40-140)	(40-140)	(40-140)
752-38116-8	SED-8	78	86	90	95	90	91
752-38116-9	SED-9	82	90	94	96	87	93
752-38116-10	101425-Dup-SED	84	86	95	105	105	97
LCS 400-727135/2-A	Lab Control Sample	104	98	106	113	109	105
MB 400-727135/1-A	Method Blank	83	94	97	101	106	103

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)

Isotope Dilution Summary

Client: S&ME Inc
Job ID: 752-38116-1
Project/Site: East End Park, Durham, NC

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)						
752-38116-1	SED-1	47						
752-38116-2	SED-2	51						
752-38116-3	SED-3	43						
752-38116-4	SED-4	45						
752-38116-5	SED-5	55						
752-38116-6	SED-6	50						
752-38116-7	SED-7	46						
752-38116-8	SED-8	51						
752-38116-9	SED-9	45						
752-38116-10	101425-Dup-SED	46						
LCS 400-727185/2-A	Lab Control Sample	56						
MB 400-727185/1-A	Method Blank	60						

Surrogate Legend

DXE = 1,4-Dioxane-d8

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

Lab Sample ID: MB 400-727573/2-A
Matrix: Solid
Analysis Batch: 727513

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727573

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0250	0.0120	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
Benzene	ND		0.00500	0.000670	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
Bromobenzene	ND		0.00500	0.00130	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
Bromoform	ND		0.00500	0.00130	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
Bromomethane	ND		0.00500	0.00250	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
2-Butanone (MEK)	ND		0.0250	0.00600	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
Chlorobromomethane	ND		0.00500	0.000810	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
Carbon disulfide	ND		0.00500	0.00253	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
Carbon tetrachloride	ND		0.00500	0.00170	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
Chlorobenzene	ND		0.00500	0.00132	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
Chloroethane	ND		0.00500	0.00330	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
Chloroform	ND		0.00500	0.00136	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
Chloromethane	ND		0.00500	0.00221	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
2-Chlorotoluene	ND		0.00500	0.00166	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
4-Chlorotoluene	ND		0.00500	0.000980	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
Chlorodibromomethane	ND		0.00500	0.00120	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
1,2-Dibromo-3-Chloropropane	ND		0.00500	0.00330	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
Dibromomethane	ND		0.00500	0.000830	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
1,2-Dichlorobenzene	ND		0.00500	0.00159	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
1,3-Dichlorobenzene	ND		0.00500	0.000950	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
Dichlorobromomethane	ND		0.00500	0.000920	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
1,4-Dichlorobenzene	ND		0.00500	0.000860	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
1,1-Dichloroethane	ND		0.00500	0.000830	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
1,2-Dichloroethane	ND		0.00500	0.00184	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
cis-1,2-Dichloroethene	ND		0.00500	0.000760	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
1,1-Dichloroethene	ND		0.00500	0.00210	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
1,2-Dichloropropane	ND		0.00500	0.000760	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
1,3-Dichloropropane	ND		0.00500	0.00100	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
2,2-Dichloropropane	ND		0.00500	0.00110	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
1,1-Dichloropropene	ND		0.00500	0.000830	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
Ethylene Dibromide	ND		0.00500	0.00100	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
cis-1,3-Dichloropropene	ND		0.00500	0.00120	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
Ethylbenzene	ND		0.00500	0.000610	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
Hexachlorobutadiene	ND		0.00500	0.00250	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
2-Hexanone	ND		0.0250	0.00500	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
Iodomethane	ND		0.00500	0.00340	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
Isopropylbenzene	ND		0.00500	0.000680	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
4-Isopropyltoluene	ND		0.00500	0.00100	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
Methylene Chloride	ND		0.0150	0.0100	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
4-Methyl-2-pentanone (MIBK)	ND		0.0250	0.0134	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
Methyl tert-butyl ether	ND		0.00500	0.00100	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
Naphthalene	ND		0.00500	0.00300	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
n-Butylbenzene	ND		0.00500	0.000960	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
N-Propylbenzene	ND		0.00500	0.000900	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
sec-Butylbenzene	ND		0.00500	0.000950	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
Styrene	ND		0.00500	0.00100	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
tert-Butylbenzene	ND		0.00500	0.00110	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
1,1,1,2-Tetrachloroethane	ND		0.00500	0.00110	mg/Kg		10/21/25 10:30	10/21/25 11:33	1

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

Lab Sample ID: MB 400-727573/2-A
Matrix: Solid
Analysis Batch: 727513

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727573

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		10/21/25 10:30	10/21/25 11:33	1
Tetrachloroethene	ND		0.00500	0.00300	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
Toluene	ND		0.00500	0.00100	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
trans-1,4-Dichloro-2-butene	ND		0.00500	0.00250	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
trans-1,2-Dichloroethene	ND		0.00500	0.000960	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
trans-1,3-Dichloropropene	ND		0.00500	0.00110	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
1,2,3-Trichlorobenzene	ND		0.00500	0.00110	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
1,2,4-Trichlorobenzene	ND		0.00500	0.00201	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
1,1,1-Trichloroethane	ND		0.00500	0.00110	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
1,1,2-Trichloroethane	ND		0.00500	0.00161	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
o-Xylene	ND		0.00500	0.00300	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
Trichloroethene	ND		0.00500	0.00100	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
m-Xylene & p-Xylene	ND		0.00500	0.00300	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
Trichlorofluoromethane	ND		0.00500	0.00242	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
1,2,3-Trichloropropane	ND		0.00500	0.00208	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00500	0.00188	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
1,2,4-Trimethylbenzene	ND		0.00500	0.00100	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
1,3,5-Trimethylbenzene	ND		0.00500	0.000830	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
Isopropyl ether	ND		0.00500	0.00138	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
Hexane	ND		0.00500	0.00260	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
Vinyl acetate	ND		0.0250	0.00638	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
n-Heptane	ND		0.00500	0.00289	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
Vinyl chloride	ND		0.00500	0.00218	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
Ethyl acetate	ND		0.0200	0.00500	mg/Kg		10/21/25 10:30	10/21/25 11:33	1
Xylenes, Total	ND		0.0100	0.00600	mg/Kg		10/21/25 10:30	10/21/25 11:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*50 - 150*	*10/21/25 10:30*	*10/21/25 11:33*	*1*
Dibromofluoromethane	*110*		*50 - 150*	*10/21/25 10:30*	*10/21/25 11:33*	*1*
Toluene-d8 (Surr)	*100*		*50 - 150*	*10/21/25 10:30*	*10/21/25 11:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*127*		*50 - 150*	*10/21/25 10:30*	*10/21/25 11:33*	*1*

Lab Sample ID: LCS 400-727573/1-A
Matrix: Solid
Analysis Batch: 727513

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727573

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	0.200	0.2356		mg/Kg		118	48 - 150
Benzene	0.0500	0.04664		mg/Kg		93	65 - 130
Bromobenzene	0.0500	0.04666		mg/Kg		93	65 - 130
Bromoform	0.0500	0.04759		mg/Kg		95	52 - 136
Bromomethane	0.0500	0.03656		mg/Kg		73	12 - 150
2-Butanone (MEK)	0.200	0.2128		mg/Kg		106	55 - 130
Chlorobromomethane	0.0500	0.04940		mg/Kg		99	65 - 130
Carbon disulfide	0.0500	0.03459		mg/Kg		69	46 - 141
Carbon tetrachloride	0.0500	0.05636		mg/Kg		113	60 - 130
Chlorobenzene	0.0500	0.05016		mg/Kg		100	70 - 130
Chloroethane	0.0500	0.03163		mg/Kg		63	55 - 134

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

Lab Sample ID: LCS 400-727573/1-A
Matrix: Solid
Analysis Batch: 727513

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727573

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroform	0.0500	0.05198		mg/Kg		104	62 - 130
Chloromethane	0.0500	0.03969		mg/Kg		79	49 - 136
2-Chlorotoluene	0.0500	0.04778		mg/Kg		96	67 - 130
4-Chlorotoluene	0.0500	0.04569		mg/Kg		91	66 - 130
Chlorodibromomethane	0.0500	0.05274		mg/Kg		105	58 - 132
1,2-Dibromo-3-Chloropropane	0.0500	0.04210		mg/Kg		84	49 - 130
Dibromomethane	0.0500	0.04942		mg/Kg		99	65 - 130
1,2-Dichlorobenzene	0.0500	0.04829		mg/Kg		97	64 - 130
1,3-Dichlorobenzene	0.0500	0.04649		mg/Kg		93	66 - 130
Dichlorobromomethane	0.0500	0.05157		mg/Kg		103	61 - 130
1,4-Dichlorobenzene	0.0500	0.04727		mg/Kg		95	65 - 130
1,1-Dichloroethane	0.0500	0.04790		mg/Kg		96	59 - 130
1,2-Dichloroethane	0.0500	0.05808		mg/Kg		116	62 - 130
cis-1,2-Dichloroethene	0.0500	0.04932		mg/Kg		99	53 - 135
1,1-Dichloroethene	0.0500	0.03786		mg/Kg		76	55 - 137
1,2-Dichloropropane	0.0500	0.05097		mg/Kg		102	64 - 130
1,3-Dichloropropane	0.0500	0.04984		mg/Kg		100	67 - 130
2,2-Dichloropropane	0.0500	0.05785		mg/Kg		116	51 - 132
1,1-Dichloropropene	0.0500	0.04527		mg/Kg		91	65 - 130
Ethylene Dibromide	0.0500	0.05011		mg/Kg		100	67 - 130
cis-1,3-Dichloropropene	0.0500	0.05230		mg/Kg		105	61 - 130
Ethylbenzene	0.0500	0.04744		mg/Kg		95	70 - 130
Hexachlorobutadiene	0.0500	0.04848		mg/Kg		97	62 - 133
2-Hexanone	0.200	0.2298		mg/Kg		115	57 - 131
Iodomethane	0.0500	0.03332		mg/Kg		67	12 - 150
Isopropylbenzene	0.0500	0.04734		mg/Kg		95	70 - 130
4-Isopropyltoluene	0.0500	0.04578		mg/Kg		92	68 - 130
Methylene Chloride	0.0500	0.04293		mg/Kg		86	57 - 132
4-Methyl-2-pentanone (MIBK)	0.200	0.2170		mg/Kg		108	58 - 130
Methyl tert-butyl ether	0.0500	0.05459		mg/Kg		109	63 - 130
Naphthalene	0.0500	0.04770		mg/Kg		95	45 - 144
n-Butylbenzene	0.0500	0.04955		mg/Kg		99	66 - 130
N-Propylbenzene	0.0500	0.04399		mg/Kg		88	67 - 130
sec-Butylbenzene	0.0500	0.04311		mg/Kg		86	67 - 130
Styrene	0.0500	0.04891		mg/Kg		98	68 - 130
tert-Butylbenzene	0.0500	0.04614		mg/Kg		92	67 - 130
1,1,1,2-Tetrachloroethane	0.0500	0.05412		mg/Kg		108	65 - 130
1,1,2,2-Tetrachloroethane	0.0500	0.04165		mg/Kg		83	60 - 131
Tetrachloroethene	0.0500	0.04535		mg/Kg		91	67 - 130
Toluene	0.0500	0.04424		mg/Kg		88	70 - 130
trans-1,4-Dichloro-2-butene	0.0500	0.04724		mg/Kg		94	45 - 137
trans-1,2-Dichloroethene	0.0500	0.04451		mg/Kg		89	58 - 134
trans-1,3-Dichloropropene	0.0500	0.05307		mg/Kg		106	60 - 130
1,2,3-Trichlorobenzene	0.0500	0.05140		mg/Kg		103	58 - 135
1,2,4-Trichlorobenzene	0.0500	0.05083		mg/Kg		102	56 - 138
1,1,1-Trichloroethane	0.0500	0.05248		mg/Kg		105	63 - 130
1,1,2-Trichloroethane	0.0500	0.04852		mg/Kg		97	65 - 130
o-Xylene	0.0500	0.04845		mg/Kg		97	70 - 130
Trichloroethene	0.0500	0.04918		mg/Kg		98	65 - 130

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

Lab Sample ID: LCS 400-727573/1-A
Matrix: Solid
Analysis Batch: 727513

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727573

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
m-Xylene & p-Xylene	0.0500	0.04818		mg/Kg		96	70 - 130
Trichlorofluoromethane	0.0500	0.05473		mg/Kg		109	61 - 136
1,2,3-Trichloropropane	0.0500	0.04227		mg/Kg		85	60 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0500	0.04268		mg/Kg		85	47 - 143
1,2,4-Trimethylbenzene	0.0500	0.04564		mg/Kg		91	66 - 130
1,3,5-Trimethylbenzene	0.0500	0.04400		mg/Kg		88	67 - 130
Isopropyl ether	0.0500	0.07729	*+	mg/Kg		155	62 - 130
Hexane	0.0500	0.03770		mg/Kg		75	57 - 132
Vinyl acetate	0.100	0.1589	*+	mg/Kg		159	24 - 150
n-Heptane	0.0500	0.04401		mg/Kg		88	61 - 130
Vinyl chloride	0.0500	0.04019		mg/Kg		80	52 - 132
Ethyl acetate	0.100	0.09258		mg/Kg		93	21 - 150
Xylenes, Total	0.100	0.09663		mg/Kg		97	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*96*		*50 - 150*
Dibromofluoromethane	*106*		*50 - 150*
Toluene-d8 (Surr)	*95*		*50 - 150*
1,2-Dichloroethane-d4 (Surr)	*129*		*50 - 150*

Lab Sample ID: MB 400-727744/1-A
Matrix: Solid
Analysis Batch: 727708

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727744

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0250	0.0120	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
Benzene	ND		0.00500	0.000670	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
Bromobenzene	ND		0.00500	0.00130	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
Bromoform	ND		0.00500	0.00130	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
Bromomethane	ND		0.00500	0.00250	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
2-Butanone (MEK)	ND		0.0250	0.00600	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
Chlorobromomethane	ND		0.00500	0.000810	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
Carbon disulfide	ND		0.00500	0.00253	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
Carbon tetrachloride	ND		0.00500	0.00170	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
Chlorobenzene	ND		0.00500	0.00132	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
Chloroethane	ND		0.00500	0.00330	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
Chloroform	ND		0.00500	0.00136	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
Chloromethane	ND		0.00500	0.00221	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
2-Chlorotoluene	ND		0.00500	0.00166	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
4-Chlorotoluene	ND		0.00500	0.000980	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
Chlorodibromomethane	ND		0.00500	0.00120	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
1,2-Dibromo-3-Chloropropane	ND		0.00500	0.00330	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
Dibromomethane	ND		0.00500	0.000830	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
1,2-Dichlorobenzene	ND		0.00500	0.00159	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
1,3-Dichlorobenzene	ND		0.00500	0.000950	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
Dichlorobromomethane	ND		0.00500	0.000920	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
1,4-Dichlorobenzene	ND		0.00500	0.000860	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
1,1-Dichloroethane	ND		0.00500	0.000830	mg/Kg		10/22/25 15:18	10/22/25 16:47	1

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

Lab Sample ID: MB 400-727744/1-A
Matrix: Solid
Analysis Batch: 727708

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727744

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.00500	0.00184	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
cis-1,2-Dichloroethene	ND		0.00500	0.000760	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
1,1-Dichloroethene	ND		0.00500	0.00210	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
1,2-Dichloropropane	ND		0.00500	0.000760	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
1,3-Dichloropropane	ND		0.00500	0.00100	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
2,2-Dichloropropane	ND		0.00500	0.00110	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
1,1-Dichloropropene	ND		0.00500	0.000830	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
Ethylene Dibromide	ND		0.00500	0.00100	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
cis-1,3-Dichloropropene	ND		0.00500	0.00120	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
Ethylbenzene	ND		0.00500	0.000610	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
Hexachlorobutadiene	ND		0.00500	0.00250	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
2-Hexanone	ND		0.0250	0.00500	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
Iodomethane	ND		0.00500	0.00340	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
Isopropylbenzene	ND		0.00500	0.000680	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
4-Isopropyltoluene	ND		0.00500	0.00100	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
Methylene Chloride	ND		0.0150	0.0100	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
4-Methyl-2-pentanone (MIBK)	ND		0.0250	0.0134	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
Methyl tert-butyl ether	ND		0.00500	0.00100	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
Naphthalene	ND		0.00500	0.00300	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
n-Butylbenzene	ND		0.00500	0.000960	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
N-Propylbenzene	ND		0.00500	0.000900	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
sec-Butylbenzene	ND		0.00500	0.000950	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
Styrene	ND		0.00500	0.00100	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
tert-Butylbenzene	ND		0.00500	0.00110	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
1,1,1,2-Tetrachloroethane	ND		0.00500	0.00110	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
1,1,2,2-Tetrachloroethane	ND		0.00500	0.00172	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
Tetrachloroethene	ND		0.00500	0.00300	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
Toluene	ND		0.00500	0.00100	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
trans-1,4-Dichloro-2-butene	ND		0.00500	0.00250	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
trans-1,2-Dichloroethene	ND		0.00500	0.000960	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
trans-1,3-Dichloropropene	ND		0.00500	0.00110	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
1,2,3-Trichlorobenzene	ND		0.00500	0.00110	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
1,2,4-Trichlorobenzene	ND		0.00500	0.00201	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
1,1,1-Trichloroethane	ND		0.00500	0.00110	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
1,1,2-Trichloroethane	ND		0.00500	0.00161	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
o-Xylene	ND		0.00500	0.00300	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
Trichloroethene	ND		0.00500	0.00100	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
m-Xylene & p-Xylene	ND		0.00500	0.00300	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
Trichlorofluoromethane	ND		0.00500	0.00242	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
1,2,3-Trichloropropane	ND		0.00500	0.00208	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00500	0.00188	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
1,2,4-Trimethylbenzene	ND		0.00500	0.00100	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
1,3,5-Trimethylbenzene	ND		0.00500	0.000830	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
Isopropyl ether	ND		0.00500	0.00138	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
Hexane	ND		0.00500	0.00260	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
Vinyl acetate	ND		0.0250	0.00638	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
n-Heptane	ND		0.00500	0.00289	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
Vinyl chloride	ND		0.00500	0.00218	mg/Kg		10/22/25 15:18	10/22/25 16:47	1
Ethyl acetate	ND		0.0200	0.00500	mg/Kg		10/22/25 15:18	10/22/25 16:47	1

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

Lab Sample ID: MB 400-727744/1-A
Matrix: Solid
Analysis Batch: 727708

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727744

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		0.0100	0.00600	mg/Kg		10/22/25 15:18	10/22/25 16:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*50 - 150*	*10/22/25 15:18*	*10/22/25 16:47*	*1*
Dibromofluoromethane	*90*		*50 - 150*	*10/22/25 15:18*	*10/22/25 16:47*	*1*
Toluene-d8 (Surr)	*74*		*50 - 150*	*10/22/25 15:18*	*10/22/25 16:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*50 - 150*	*10/22/25 15:18*	*10/22/25 16:47*	*1*

Lab Sample ID: LCS 400-727744/2-A
Matrix: Solid
Analysis Batch: 727708

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727744

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	0.200	0.2061		mg/Kg		103	48 - 150
Benzene	0.0500	0.04737		mg/Kg		95	65 - 130
Bromobenzene	0.0500	0.05566		mg/Kg		111	65 - 130
Bromoform	0.0500	0.05819		mg/Kg		116	52 - 136
Bromomethane	0.0500	0.03299		mg/Kg		66	12 - 150
2-Butanone (MEK)	0.200	0.2185		mg/Kg		109	55 - 130
Chlorobromomethane	0.0500	0.04029		mg/Kg		81	65 - 130
Carbon disulfide	0.0500	0.04059		mg/Kg		81	46 - 141
Carbon tetrachloride	0.0500	0.04615		mg/Kg		92	60 - 130
Chlorobenzene	0.0500	0.05364		mg/Kg		107	70 - 130
Chloroethane	0.0500	0.03139		mg/Kg		63	55 - 134
Chloroform	0.0500	0.04066		mg/Kg		81	62 - 130
Chloromethane	0.0500	0.03517		mg/Kg		70	49 - 136
2-Chlorotoluene	0.0500	0.05706		mg/Kg		114	67 - 130
4-Chlorotoluene	0.0500	0.05618		mg/Kg		112	66 - 130
Chlorodibromomethane	0.0500	0.04666		mg/Kg		93	58 - 132
1,2-Dibromo-3-Chloropropane	0.0500	0.05899		mg/Kg		118	49 - 130
Dibromomethane	0.0500	0.04882		mg/Kg		98	65 - 130
1,2-Dichlorobenzene	0.0500	0.05697		mg/Kg		114	64 - 130
1,3-Dichlorobenzene	0.0500	0.05070		mg/Kg		101	66 - 130
Dichlorobromomethane	0.0500	0.04896		mg/Kg		98	61 - 130
1,4-Dichlorobenzene	0.0500	0.05254		mg/Kg		105	65 - 130
1,1-Dichloroethane	0.0500	0.04678		mg/Kg		94	59 - 130
1,2-Dichloroethane	0.0500	0.04926		mg/Kg		99	62 - 130
cis-1,2-Dichloroethene	0.0500	0.04830		mg/Kg		97	53 - 135
1,1-Dichloroethene	0.0500	0.04086		mg/Kg		82	55 - 137
1,2-Dichloropropane	0.0500	0.05676		mg/Kg		114	64 - 130
1,3-Dichloropropane	0.0500	0.05815		mg/Kg		116	67 - 130
2,2-Dichloropropane	0.0500	0.05335		mg/Kg		107	51 - 132
1,1-Dichloropropene	0.0500	0.04437		mg/Kg		89	65 - 130
Ethylene Dibromide	0.0500	0.05470		mg/Kg		109	67 - 130
cis-1,3-Dichloropropene	0.0500	0.05622		mg/Kg		112	61 - 130
Ethylbenzene	0.0500	0.05262		mg/Kg		105	70 - 130
Hexachlorobutadiene	0.0500	0.05235		mg/Kg		105	62 - 133
2-Hexanone	0.200	0.2478		mg/Kg		124	57 - 131

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

Lab Sample ID: LCS 400-727744/2-A
Matrix: Solid
Analysis Batch: 727708

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727744

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iodomethane	0.0500	0.04384		mg/Kg		88	12 - 150
Isopropylbenzene	0.0500	0.05217		mg/Kg		104	70 - 130
4-Isopropyltoluene	0.0500	0.05095		mg/Kg		102	68 - 130
Methylene Chloride	0.0500	0.04437		mg/Kg		89	57 - 132
4-Methyl-2-pentanone (MIBK)	0.200	0.2572		mg/Kg		129	58 - 130
Methyl tert-butyl ether	0.0500	0.05496		mg/Kg		110	63 - 130
Naphthalene	0.0500	0.06231		mg/Kg		125	45 - 144
n-Butylbenzene	0.0500	0.05848		mg/Kg		117	66 - 130
N-Propylbenzene	0.0500	0.05735		mg/Kg		115	67 - 130
sec-Butylbenzene	0.0500	0.04621		mg/Kg		92	67 - 130
Styrene	0.0500	0.04968		mg/Kg		99	68 - 130
tert-Butylbenzene	0.0500	0.04603		mg/Kg		92	67 - 130
1,1,1,2-Tetrachloroethane	0.0500	0.05525		mg/Kg		111	65 - 130
1,1,2,2-Tetrachloroethane	0.0500	0.06050		mg/Kg		121	60 - 131
Tetrachloroethene	0.0500	0.04816		mg/Kg		96	67 - 130
Toluene	0.0500	0.05098		mg/Kg		102	70 - 130
trans-1,4-Dichloro-2-butene	0.0500	0.06308		mg/Kg		126	45 - 137
trans-1,2-Dichloroethene	0.0500	0.04697		mg/Kg		94	58 - 134
trans-1,3-Dichloropropene	0.0500	0.05640		mg/Kg		113	60 - 130
1,2,3-Trichlorobenzene	0.0500	0.06054		mg/Kg		121	58 - 135
1,2,4-Trichlorobenzene	0.0500	0.05877		mg/Kg		118	56 - 138
1,1,1-Trichloroethane	0.0500	0.04243		mg/Kg		85	63 - 130
1,1,2-Trichloroethane	0.0500	0.05980		mg/Kg		120	65 - 130
o-Xylene	0.0500	0.04891		mg/Kg		98	70 - 130
Trichloroethene	0.0500	0.04962		mg/Kg		99	65 - 130
m-Xylene & p-Xylene	0.0500	0.05230		mg/Kg		105	70 - 130
Trichlorofluoromethane	0.0500	0.04077		mg/Kg		82	61 - 136
1,2,3-Trichloropropane	0.0500	0.05677		mg/Kg		114	60 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0500	0.04383		mg/Kg		88	47 - 143
1,2,4-Trimethylbenzene	0.0500	0.04532		mg/Kg		91	66 - 130
1,3,5-Trimethylbenzene	0.0500	0.05418		mg/Kg		108	67 - 130
Isopropyl ether	0.0500	0.05446		mg/Kg		109	62 - 130
Hexane	0.0500	0.04406		mg/Kg		88	57 - 132
Vinyl acetate	0.100	0.1175		mg/Kg		117	24 - 150
n-Heptane	0.0500	0.05384		mg/Kg		108	61 - 130
Vinyl chloride	0.0500	0.03564		mg/Kg		71	52 - 132
Ethyl acetate	0.100	0.1119		mg/Kg		112	21 - 150
Xylenes, Total	0.100	0.1012		mg/Kg		101	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*110*		*50 - 150*
Dibromofluoromethane	*83*		*50 - 150*
Toluene-d8 (Surr)	*101*		*50 - 150*
1,2-Dichloroethane-d4 (Surr)	*96*		*50 - 150*

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

Lab Sample ID: LCSD 400-727744/3-A
Matrix: Solid
Analysis Batch: 727708

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 727744

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	0.200	0.2407		mg/Kg		120	48 - 150	16	30
Benzene	0.0500	0.04976		mg/Kg		100	65 - 130	5	30
Bromobenzene	0.0500	0.05167		mg/Kg		103	65 - 130	7	30
Bromoform	0.0500	0.05449		mg/Kg		109	52 - 136	7	30
Bromomethane	0.0500	0.02962		mg/Kg		59	12 - 150	11	30
2-Butanone (MEK)	0.200	0.2038		mg/Kg		102	55 - 130	7	30
Chlorobromomethane	0.0500	0.04793		mg/Kg		96	65 - 130	17	30
Carbon disulfide	0.0500	0.04439		mg/Kg		89	46 - 141	9	30
Carbon tetrachloride	0.0500	0.04929		mg/Kg		99	60 - 130	7	30
Chlorobenzene	0.0500	0.05394		mg/Kg		108	70 - 130	1	30
Chloroethane	0.0500	0.02768		mg/Kg		55	55 - 134	13	30
Chloroform	0.0500	0.04943		mg/Kg		99	62 - 130	19	30
Chloromethane	0.0500	0.04542		mg/Kg		91	49 - 136	25	30
2-Chlorotoluene	0.0500	0.05423		mg/Kg		108	67 - 130	5	30
4-Chlorotoluene	0.0500	0.05263		mg/Kg		105	66 - 130	7	30
Chlorodibromomethane	0.0500	0.05290		mg/Kg		106	58 - 132	13	30
1,2-Dibromo-3-Chloropropane	0.0500	0.03904	*1	mg/Kg		78	49 - 130	41	30
Dibromomethane	0.0500	0.04259		mg/Kg		85	65 - 130	14	30
1,2-Dichlorobenzene	0.0500	0.05273		mg/Kg		105	64 - 130	8	30
1,3-Dichlorobenzene	0.0500	0.05188		mg/Kg		104	66 - 130	2	30
Dichlorobromomethane	0.0500	0.04363		mg/Kg		87	61 - 130	12	30
1,4-Dichlorobenzene	0.0500	0.05243		mg/Kg		105	65 - 130	0	30
1,1-Dichloroethane	0.0500	0.05071		mg/Kg		101	59 - 130	8	30
1,2-Dichloroethane	0.0500	0.05184		mg/Kg		104	62 - 130	5	30
cis-1,2-Dichloroethene	0.0500	0.04441		mg/Kg		89	53 - 135	8	30
1,1-Dichloroethene	0.0500	0.04591		mg/Kg		92	55 - 137	12	30
1,2-Dichloropropane	0.0500	0.04238		mg/Kg		85	64 - 130	29	30
1,3-Dichloropropane	0.0500	0.06919	*+	mg/Kg		138	67 - 130	17	30
2,2-Dichloropropane	0.0500	0.04987		mg/Kg		100	51 - 132	7	30
1,1-Dichloropropene	0.0500	0.04815		mg/Kg		96	65 - 130	8	30
Ethylene Dibromide	0.0500	0.05471		mg/Kg		109	67 - 130	0	30
cis-1,3-Dichloropropene	0.0500	0.05271		mg/Kg		105	61 - 130	6	30
Ethylbenzene	0.0500	0.05381		mg/Kg		108	70 - 130	2	30
Hexachlorobutadiene	0.0500	0.03837	*1	mg/Kg		77	62 - 133	31	30
2-Hexanone	0.200	0.2976	*+	mg/Kg		149	57 - 131	18	30
Iodomethane	0.0500	0.04746		mg/Kg		95	12 - 150	8	30
Isopropylbenzene	0.0500	0.05963		mg/Kg		119	70 - 130	13	30
4-Isopropyltoluene	0.0500	0.05267		mg/Kg		105	68 - 130	3	30
Methylene Chloride	0.0500	0.04918		mg/Kg		98	57 - 132	10	30
4-Methyl-2-pentanone (MIBK)	0.200	0.2477		mg/Kg		124	58 - 130	4	30
Methyl tert-butyl ether	0.0500	0.05589		mg/Kg		112	63 - 130	2	30
Naphthalene	0.0500	0.03859	*1	mg/Kg		77	45 - 144	47	30
n-Butylbenzene	0.0500	0.05534		mg/Kg		111	66 - 130	6	30
N-Propylbenzene	0.0500	0.05326		mg/Kg		107	67 - 130	7	30
sec-Butylbenzene	0.0500	0.05078		mg/Kg		102	67 - 130	9	30
Styrene	0.0500	0.06030		mg/Kg		121	68 - 130	19	30
tert-Butylbenzene	0.0500	0.05270		mg/Kg		105	67 - 130	14	30
1,1,1,2-Tetrachloroethane	0.0500	0.05807		mg/Kg		116	65 - 130	5	30

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

Lab Sample ID: LCSD 400-727744/3-A
Matrix: Solid
Analysis Batch: 727708

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 727744

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,2,2-Tetrachloroethane			0.0500	0.05754		mg/Kg		115	60 - 131	5	30
Tetrachloroethene			0.0500	0.05703		mg/Kg		114	67 - 130	17	30
Toluene			0.0500	0.05901		mg/Kg		118	70 - 130	15	30
trans-1,4-Dichloro-2-butene			0.0500	0.05789		mg/Kg		116	45 - 137	9	30
trans-1,2-Dichloroethene			0.0500	0.04774		mg/Kg		95	58 - 134	2	30
trans-1,3-Dichloropropene			0.0500	0.06833	*+	mg/Kg		137	60 - 130	19	30
1,2,3-Trichlorobenzene			0.0500	0.03988	*1	mg/Kg		80	58 - 135	41	30
1,2,4-Trichlorobenzene			0.0500	0.03945	*1	mg/Kg		79	56 - 138	39	30
1,1,1-Trichloroethane			0.0500	0.04804		mg/Kg		96	63 - 130	12	30
1,1,2-Trichloroethane			0.0500	0.06859	*+	mg/Kg		137	65 - 130	14	30
o-Xylene			0.0500	0.06004		mg/Kg		120	70 - 130	20	30
Trichloroethene			0.0500	0.03737		mg/Kg		75	65 - 130	28	30
m-Xylene & p-Xylene			0.0500	0.05719		mg/Kg		114	70 - 130	9	30
Trichlorofluoromethane			0.0500	0.04092		mg/Kg		82	61 - 136	0	30
1,2,3-Trichloropropane			0.0500	0.05316		mg/Kg		106	60 - 130	7	30
1,1,2-Trichloro-1,2,2-trifluoroethane			0.0500	0.05780		mg/Kg		116	47 - 143	27	30
1,2,4-Trimethylbenzene			0.0500	0.05308		mg/Kg		106	66 - 130	16	30
1,3,5-Trimethylbenzene			0.0500	0.05059		mg/Kg		101	67 - 130	7	30
Isopropyl ether			0.0500	0.06739	*+	mg/Kg		135	62 - 130	21	30
Hexane			0.0500	0.04915		mg/Kg		98	57 - 132	11	30
Vinyl acetate			0.100	0.1441		mg/Kg		144	24 - 150	20	30
n-Heptane			0.0500	0.05406		mg/Kg		108	61 - 130	0	30
Vinyl chloride			0.0500	0.03200		mg/Kg		64	52 - 132	11	30
Ethyl acetate			0.100	0.1089		mg/Kg		109	21 - 150	3	30
Xylenes, Total			0.100	0.1172		mg/Kg		117	70 - 130	15	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*50 - 150*
Dibromofluoromethane	*96*		*50 - 150*
Toluene-d8 (Surr)	*117*		*50 - 150*
1,2-Dichloroethane-d4 (Surr)	*97*		*50 - 150*

Lab Sample ID: MB 400-727836/5
Matrix: Water
Analysis Batch: 727836

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			10/23/25 12:12	1
Benzene	ND		1.00	0.500	ug/L			10/23/25 12:12	1
Bromobenzene	ND		1.00	0.540	ug/L			10/23/25 12:12	1
Bromoform	ND		5.00	0.250	ug/L			10/23/25 12:12	1
Bromomethane	ND		1.00	0.980	ug/L			10/23/25 12:12	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			10/23/25 12:12	1
Chlorobromomethane	ND		1.00	0.520	ug/L			10/23/25 12:12	1
Carbon disulfide	ND		1.00	0.500	ug/L			10/23/25 12:12	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			10/23/25 12:12	1
Chlorobenzene	ND		1.00	0.420	ug/L			10/23/25 12:12	1
Chloroethane	ND		1.00	0.760	ug/L			10/23/25 12:12	1

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

Lab Sample ID: MB 400-727836/5
Matrix: Water
Analysis Batch: 727836

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		1.00	0.900	ug/L			10/23/25 12:12	1
Chloromethane	ND		1.00	0.400	ug/L			10/23/25 12:12	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			10/23/25 12:12	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			10/23/25 12:12	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			10/23/25 12:12	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			10/23/25 12:12	1
Dibromomethane	ND		5.00	0.220	ug/L			10/23/25 12:12	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			10/23/25 12:12	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			10/23/25 12:12	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			10/23/25 12:12	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			10/23/25 12:12	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			10/23/25 12:12	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			10/23/25 12:12	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			10/23/25 12:12	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			10/23/25 12:12	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 12:12	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 12:12	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			10/23/25 12:12	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			10/23/25 12:12	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			10/23/25 12:12	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			10/23/25 12:12	1
Ethylbenzene	ND		1.00	0.500	ug/L			10/23/25 12:12	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			10/23/25 12:12	1
2-Hexanone	ND		25.0	4.26	ug/L			10/23/25 12:12	1
Iodomethane	ND		1.00	0.900	ug/L			10/23/25 12:12	1
Isopropylbenzene	ND		1.00	0.530	ug/L			10/23/25 12:12	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			10/23/25 12:12	1
Methylene Chloride	ND		5.00	3.00	ug/L			10/23/25 12:12	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			10/23/25 12:12	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			10/23/25 12:12	1
Naphthalene	ND		5.00	3.00	ug/L			10/23/25 12:12	1
n-Butylbenzene	ND		1.00	0.760	ug/L			10/23/25 12:12	1
N-Propylbenzene	ND		1.00	0.690	ug/L			10/23/25 12:12	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			10/23/25 12:12	1
Styrene	ND		1.00	1.00	ug/L			10/23/25 12:12	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			10/23/25 12:12	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			10/23/25 12:12	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			10/23/25 12:12	1
Tetrachloroethene	ND		1.00	0.330	ug/L			10/23/25 12:12	1
Toluene	ND		1.00	0.900	ug/L			10/23/25 12:12	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			10/23/25 12:12	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			10/23/25 12:12	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			10/23/25 12:12	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			10/23/25 12:12	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			10/23/25 12:12	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			10/23/25 12:12	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			10/23/25 12:12	1
o-Xylene	ND		5.00	3.00	ug/L			10/23/25 12:12	1
Trichloroethene	ND		1.00	0.150	ug/L			10/23/25 12:12	1

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

Lab Sample ID: MB 400-727836/5
Matrix: Water
Analysis Batch: 727836

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			10/23/25 12:12	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			10/23/25 12:12	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			10/23/25 12:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			10/23/25 12:12	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			10/23/25 12:12	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			10/23/25 12:12	1
Isopropyl ether	ND		1.00	0.740	ug/L			10/23/25 12:12	1
Hexane	ND		1.00	0.960	ug/L			10/23/25 12:12	1
Vinyl acetate	ND		25.0	0.930	ug/L			10/23/25 12:12	1
n-Heptane	ND		1.00	0.210	ug/L			10/23/25 12:12	1
Vinyl chloride	ND		1.00	0.500	ug/L			10/23/25 12:12	1
Ethyl acetate	ND		10.0	6.14	ug/L			10/23/25 12:12	1
Xylenes, Total	ND		10.0	6.00	ug/L			10/23/25 12:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*56 - 136*		*10/23/25 12:12*	*1*
Dibromofluoromethane	*108*		*79 - 130*		*10/23/25 12:12*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*10/23/25 12:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*59 - 146*		*10/23/25 12:12*	*1*

Lab Sample ID: LCS 400-727836/1002
Matrix: Water
Analysis Batch: 727836

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	366.6	*+	ug/L		183	43 - 150
Benzene	50.0	54.69		ug/L		109	70 - 130
Bromobenzene	50.0	51.26		ug/L		103	70 - 132
Bromoform	50.0	46.26		ug/L		93	57 - 140
Bromomethane	50.0	110.8	*+	ug/L		222	10 - 150
2-Butanone (MEK)	200	225.3		ug/L		113	61 - 145
Chlorobromomethane	50.0	56.11		ug/L		112	70 - 130
Carbon disulfide	50.0	59.73		ug/L		119	61 - 137
Carbon tetrachloride	50.0	50.42		ug/L		101	61 - 137
Chlorobenzene	50.0	55.67		ug/L		111	70 - 130
Chloroethane	50.0	69.64		ug/L		139	55 - 141
Chloroform	50.0	55.13		ug/L		110	69 - 130
Chloromethane	50.0	57.29		ug/L		115	58 - 137
2-Chlorotoluene	50.0	56.02		ug/L		112	70 - 130
4-Chlorotoluene	50.0	56.75		ug/L		114	70 - 130
Chlorodibromomethane	50.0	53.95		ug/L		108	67 - 135
1,2-Dibromo-3-Chloropropane	50.0	48.49		ug/L		97	54 - 135
Dibromomethane	50.0	56.75		ug/L		114	70 - 130
1,2-Dichlorobenzene	50.0	57.31		ug/L		115	67 - 130
1,3-Dichlorobenzene	50.0	56.62		ug/L		113	70 - 130
Dichlorobromomethane	50.0	54.43		ug/L		109	67 - 133
1,4-Dichlorobenzene	50.0	56.56		ug/L		113	70 - 130
1,1-Dichloroethane	50.0	51.46		ug/L		103	70 - 130

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

Lab Sample ID: LCS 400-727836/1002
Matrix: Water
Analysis Batch: 727836

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethane	50.0	53.84		ug/L		108	69 - 130
cis-1,2-Dichloroethene	50.0	52.78		ug/L		106	68 - 130
1,1-Dichloroethene	50.0	57.37		ug/L		115	63 - 134
1,2-Dichloropropane	50.0	53.70		ug/L		107	70 - 130
1,3-Dichloropropane	50.0	54.58		ug/L		109	70 - 130
2,2-Dichloropropane	50.0	48.57		ug/L		97	52 - 135
1,1-Dichloropropene	50.0	52.96		ug/L		106	70 - 130
Ethylene Dibromide	50.0	54.73		ug/L		109	70 - 130
cis-1,3-Dichloropropene	50.0	52.25		ug/L		104	69 - 132
Ethylbenzene	50.0	58.14		ug/L		116	70 - 130
Hexachlorobutadiene	50.0	57.28		ug/L		115	53 - 140
2-Hexanone	200	195.6		ug/L		98	65 - 137
Iodomethane	50.0	50.09		ug/L		100	27 - 150
Isopropylbenzene	50.0	57.88		ug/L		116	70 - 130
4-Isopropyltoluene	50.0	59.31		ug/L		119	65 - 130
Methylene Chloride	50.0	55.43		ug/L		111	66 - 135
4-Methyl-2-pentanone (MIBK)	200	206.3		ug/L		103	69 - 138
Methyl tert-butyl ether	50.0	49.72		ug/L		99	66 - 130
Naphthalene	50.0	47.44		ug/L		95	47 - 149
n-Butylbenzene	50.0	66.91	*+	ug/L		134	67 - 130
N-Propylbenzene	50.0	57.04		ug/L		114	70 - 130
sec-Butylbenzene	50.0	60.02		ug/L		120	66 - 130
Styrene	50.0	57.29		ug/L		115	70 - 130
tert-Butylbenzene	50.0	56.26		ug/L		113	64 - 139
1,1,1,2-Tetrachloroethane	50.0	54.20		ug/L		108	67 - 131
1,1,2,2-Tetrachloroethane	50.0	53.31		ug/L		107	70 - 131
Tetrachloroethene	50.0	50.89		ug/L		102	65 - 130
Toluene	50.0	54.58		ug/L		109	70 - 130
trans-1,4-Dichloro-2-butene	50.0	50.64		ug/L		101	57 - 140
trans-1,2-Dichloroethene	50.0	51.97		ug/L		104	70 - 130
trans-1,3-Dichloropropene	50.0	53.40		ug/L		107	63 - 130
1,2,3-Trichlorobenzene	50.0	49.87		ug/L		100	60 - 138
1,2,4-Trichlorobenzene	50.0	53.67		ug/L		107	60 - 140
1,1,1-Trichloroethane	50.0	51.51		ug/L		103	68 - 130
1,1,2-Trichloroethane	50.0	56.93		ug/L		114	70 - 130
o-Xylene	50.0	57.12		ug/L		114	70 - 130
Trichloroethene	50.0	51.06		ug/L		102	70 - 130
m-Xylene & p-Xylene	50.0	54.72		ug/L		109	70 - 130
Trichlorofluoromethane	50.0	61.29		ug/L		123	65 - 138
1,2,3-Trichloropropane	50.0	52.15		ug/L		104	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	60.46		ug/L		121	60 - 139
1,2,4-Trimethylbenzene	50.0	57.04		ug/L		114	70 - 130
1,3,5-Trimethylbenzene	50.0	55.54		ug/L		111	69 - 130
Isopropyl ether	50.0	48.54		ug/L		97	64 - 132
Hexane	50.0	52.92		ug/L		106	69 - 130
Vinyl acetate	100	113.9		ug/L		114	26 - 150
n-Heptane	50.0	48.70		ug/L		97	70 - 130
Vinyl chloride	50.0	49.57		ug/L		99	59 - 136

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

Lab Sample ID: LCS 400-727836/1002
Matrix: Water
Analysis Batch: 727836

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethyl acetate	100	96.48		ug/L		96	34 - 150
Xylenes, Total	100	111.8		ug/L		112	70 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*91*		*56 - 136*
Dibromofluoromethane	*105*		*79 - 130*
Toluene-d8 (Surr)	*102*		*64 - 132*
1,2-Dichloroethane-d4 (Surr)	*101*		*59 - 146*

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

Lab Sample ID: MB 400-727135/1-A
Matrix: Solid
Analysis Batch: 727319

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727135

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.330	0.00960	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
2,4,5-Trichlorophenol	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
2,4,6-Trichlorophenol	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
2,4-Dichlorophenol	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
2,4-Dimethylphenol	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
2,4-Dinitrophenol	ND		0.990	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
2,4-Dinitrotoluene	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
2,6-Dinitrotoluene	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
2-Chloronaphthalene	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
2-Chlorophenol	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
2-Methylnaphthalene	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
2-Methylphenol	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
2-Nitroaniline	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
2-Nitrophenol	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
3 & 4 Methylphenol	ND		0.660	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
3,3'-Dichlorobenzidine	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
3-Nitroaniline	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
4,6-Dinitro-2-methylphenol	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
4-Bromophenyl phenyl ether	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
4-Chloro-3-methylphenol	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
4-Chloroaniline	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
4-Chlorophenyl phenyl ether	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
4-Nitroaniline	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
4-Nitrophenol	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
Acenaphthene	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
Acenaphthylene	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
Acetophenone	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
Anthracene	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
Atrazine	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
Benzaldehyde	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
Benzo[a]anthracene	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
Benzo[a]pyrene	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
Benzo[b]fluoranthene	ND		0.330	0.00140	mg/Kg		10/17/25 09:18	10/18/25 18:00	1

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

Lab Sample ID: MB 400-727135/1-A
Matrix: Solid
Analysis Batch: 727319

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727135

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
Benzo[k]fluoranthene	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
bis (2-chloroisopropyl) ether	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
Bis(2-chloroethoxy)methane	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
Bis(2-chloroethyl)ether	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
Bis(2-ethylhexyl) phthalate	0.2229	J	0.330	0.100	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
Butyl benzyl phthalate	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
Caprolactam	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
Carbazole	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
Chrysene	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
Dibenz(a,h)anthracene	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
Dibenzofuran	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
Diethyl phthalate	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
Dimethyl phthalate	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
Di-n-butyl phthalate	ND		0.990	0.300	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
Di-n-octyl phthalate	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
Fluoranthene	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
Fluorene	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
Hexachlorobenzene	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
Hexachlorobutadiene	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
Hexachlorocyclopentadiene	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
Hexachloroethane	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
Indeno[1,2,3-cd]pyrene	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
Isophorone	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
Naphthalene	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
Nitrobenzene	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
N-Nitrosodi-n-propylamine	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
N-Nitrosodiphenylamine	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
Pentachlorophenol	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
Phenanthrene	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
Phenol	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1
Pyrene	ND		0.330	0.0330	mg/Kg		10/17/25 09:18	10/18/25 18:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*83*		*40 - 140*	*10/17/25 09:18*	*10/18/25 18:00*	*1*
2-Fluorobiphenyl (Surr)	*94*		*40 - 140*	*10/17/25 09:18*	*10/18/25 18:00*	*1*
2-Fluorophenol (Surr)	*97*		*40 - 140*	*10/17/25 09:18*	*10/18/25 18:00*	*1*
Nitrobenzene-d5 (Surr)	*101*		*40 - 140*	*10/17/25 09:18*	*10/18/25 18:00*	*1*
Phenol-d5 (Surr)	*106*		*40 - 140*	*10/17/25 09:18*	*10/18/25 18:00*	*1*
Terphenyl-d14 (Surr)	*103*		*40 - 140*	*10/17/25 09:18*	*10/18/25 18:00*	*1*

Lab Sample ID: LCS 400-727135/2-A
Matrix: Solid
Analysis Batch: 727319

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727135

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	1.50	1.644		mg/Kg		110	19 - 126
2,4,5-Trichlorophenol	1.50	1.701		mg/Kg		113	10 - 150

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

Lab Sample ID: LCS 400-727135/2-A
Matrix: Solid
Analysis Batch: 727319

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727135

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,6-Trichlorophenol	1.50	1.703		mg/Kg		114	10 - 150
2,4-Dichlorophenol	1.50	1.521		mg/Kg		101	10 - 150
2,4-Dimethylphenol	1.50	1.721		mg/Kg		115	10 - 141
2,4-Dinitrophenol	3.00	2.368		mg/Kg		79	10 - 150
2,4-Dinitrotoluene	1.50	1.771		mg/Kg		118	31 - 136
2,6-Dinitrotoluene	1.50	1.681		mg/Kg		112	31 - 137
2-Chloronaphthalene	1.50	1.640		mg/Kg		109	20 - 126
2-Chlorophenol	1.50	1.628		mg/Kg		109	10 - 150
2-Methylnaphthalene	1.50	1.519		mg/Kg		101	20 - 150
2-Methylphenol	1.50	1.849		mg/Kg		123	18 - 126
2-Nitroaniline	1.50	1.557		mg/Kg		104	30 - 150
2-Nitrophenol	1.50	1.542		mg/Kg		103	19 - 150
3 & 4 Methylphenol	1.50	1.819		mg/Kg		121	10 - 150
3,3'-Dichlorobenzidine	3.00	2.517		mg/Kg		84	10 - 124
3-Nitroaniline	1.50	1.587		mg/Kg		106	10 - 148
4,6-Dinitro-2-methylphenol	3.00	2.635		mg/Kg		88	15 - 150
4-Bromophenyl phenyl ether	1.50	1.492		mg/Kg		99	21 - 129
4-Chloro-3-methylphenol	1.50	1.798		mg/Kg		120	16 - 150
4-Chloroaniline	1.50	1.171		mg/Kg		78	10 - 120
4-Chlorophenyl phenyl ether	1.50	1.548		mg/Kg		103	21 - 124
4-Nitroaniline	1.50	1.534		mg/Kg		102	21 - 146
4-Nitrophenol	3.00	3.709		mg/Kg		124	10 - 150
Acenaphthene	1.50	1.616		mg/Kg		108	21 - 150
Acenaphthylene	1.50	1.672		mg/Kg		111	22 - 150
Acetophenone	1.50	1.732		mg/Kg		115	15 - 128
Anthracene	1.50	1.627		mg/Kg		108	28 - 150
Atrazine	1.50	1.526		mg/Kg		102	10 - 150
Benzaldehyde	1.50	1.193		mg/Kg		80	10 - 150
Benzo[a]anthracene	1.50	1.601		mg/Kg		107	32 - 150
Benzo[a]pyrene	1.50	1.637		mg/Kg		109	24 - 150
Benzo[b]fluoranthene	1.50	1.570		mg/Kg		105	17 - 150
Benzo[g,h,i]perylene	1.50	1.610		mg/Kg		107	25 - 150
Benzo[k]fluoranthene	1.50	1.706		mg/Kg		114	24 - 150
bis (2-chloroisopropyl) ether	1.50	1.659		mg/Kg		111	13 - 125
Bis(2-chloroethoxy)methane	1.50	1.549		mg/Kg		103	16 - 132
Bis(2-chloroethyl)ether	1.50	1.656		mg/Kg		110	24 - 120
Bis(2-ethylhexyl) phthalate	1.50	1.800		mg/Kg		120	12 - 150
Butyl benzyl phthalate	1.50	1.641		mg/Kg		109	24 - 150
Caprolactam	1.50	2.574	*+	mg/Kg		172	10 - 150
Carbazole	1.50	1.595		mg/Kg		106	16 - 150
Chrysene	1.50	1.621		mg/Kg		108	31 - 150
Dibenz(a,h)anthracene	1.50	1.626		mg/Kg		108	26 - 150
Dibenzofuran	1.50	1.550		mg/Kg		103	27 - 123
Diethyl phthalate	1.50	1.526		mg/Kg		102	20 - 150
Dimethyl phthalate	1.50	1.533		mg/Kg		102	21 - 140
Di-n-butyl phthalate	1.50	1.621		mg/Kg		108	10 - 150
Di-n-octyl phthalate	1.50	1.649		mg/Kg		110	23 - 150
Fluoranthene	1.50	1.508		mg/Kg		101	27 - 150
Fluorene	1.50	1.573		mg/Kg		105	21 - 150

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

Lab Sample ID: LCS 400-727135/2-A
Matrix: Solid
Analysis Batch: 727319

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727135

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Hexachlorobenzene	1.50	1.586		mg/Kg		106	23 - 121
Hexachlorobutadiene	1.50	1.619		mg/Kg		108	15 - 120
Hexachlorocyclopentadiene	1.50	1.642		mg/Kg		109	14 - 132
Hexachloroethane	1.50	1.584		mg/Kg		106	20 - 120
Indeno[1,2,3-cd]pyrene	1.50	1.568		mg/Kg		105	33 - 150
Isophorone	1.50	1.792		mg/Kg		119	22 - 129
Naphthalene	1.50	1.585		mg/Kg		106	17 - 150
Nitrobenzene	1.50	1.742		mg/Kg		116	22 - 126
N-Nitrosodi-n-propylamine	1.50	1.595		mg/Kg		106	23 - 128
N-Nitrosodiphenylamine	1.49	1.492		mg/Kg		100	21 - 137
Pentachlorophenol	3.00	3.355		mg/Kg		112	10 - 150
Phenanthrene	1.50	1.628		mg/Kg		109	24 - 150
Phenol	1.50	1.887		mg/Kg		126	10 - 150
Pyrene	1.50	1.488		mg/Kg		99	25 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*104*		*40 - 140*
2-Fluorobiphenyl (Surr)	*98*		*40 - 140*
2-Fluorophenol (Surr)	*106*		*40 - 140*
Nitrobenzene-d5 (Surr)	*113*		*40 - 140*
Phenol-d5 (Surr)	*109*		*40 - 140*
Terphenyl-d14 (Surr)	*105*		*40 - 140*

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

Lab Sample ID: MB 400-727185/1-A
Matrix: Solid
Analysis Batch: 727462

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727185

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.00120	0.00120	mg/Kg		10/17/25 12:03	10/20/25 22:51	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*60*		*10 - 150*	*10/17/25 12:03*	*10/20/25 22:51*	*1*

Lab Sample ID: LCS 400-727185/2-A
Matrix: Solid
Analysis Batch: 727462

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727185

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	0.267	0.2591		mg/Kg		97	50 - 150

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Dioxane-d8	*56*		*10 - 150*

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 705-89254/1-A
Matrix: Solid
Analysis Batch: 89281

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		2.50	0.725	mg/Kg			10/17/25 22:10	1

Lab Sample ID: LCS 705-89254/2-A
Matrix: Solid
Analysis Batch: 89281

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	50.0	54.86		mg/Kg		110	90 - 110

Lab Sample ID: MB 705-89254/1-A
Matrix: Solid
Analysis Batch: 89282

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		10.0	9.81	mg/Kg			10/17/25 22:10	1

Lab Sample ID: LCS 705-89254/2-A
Matrix: Solid
Analysis Batch: 89282

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	250	261.1		mg/Kg		104	90 - 110

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 705-89597/1-A
Matrix: Solid
Analysis Batch: 90654

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 89597

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.2453	J	1.00	0.229	mg/Kg		10/20/25 15:15	10/23/25 14:53	5
Arsenic	ND		0.600	0.0535	mg/Kg		10/20/25 15:15	10/23/25 14:53	5
Barium	ND		2.50	0.0142	mg/Kg		10/20/25 15:15	10/23/25 14:53	5
Beryllium	ND		0.500	0.0351	mg/Kg		10/20/25 15:15	10/23/25 14:53	5
Cadmium	0.02817	J	0.500	0.0163	mg/Kg		10/20/25 15:15	10/23/25 14:53	5
Chromium	ND		1.00	0.206	mg/Kg		10/20/25 15:15	10/23/25 14:53	5
Cobalt	ND		0.750	0.0283	mg/Kg		10/20/25 15:15	10/23/25 14:53	5
Copper	0.06830	J	0.500	0.0520	mg/Kg		10/20/25 15:15	10/23/25 14:53	5
Lead	0.05978	J	0.500	0.0590	mg/Kg		10/20/25 15:15	10/23/25 14:53	5
Manganese	ND		1.00	0.0615	mg/Kg		10/20/25 15:15	10/23/25 14:53	5
Nickel	ND		1.00	0.0262	mg/Kg		10/20/25 15:15	10/23/25 14:53	5
Selenium	ND		2.50	0.178	mg/Kg		10/20/25 15:15	10/23/25 14:53	5
Silver	0.008277	J	0.250	0.00290	mg/Kg		10/20/25 15:15	10/23/25 14:53	5
Thallium	0.08822	J	0.700	0.0422	mg/Kg		10/20/25 15:15	10/23/25 14:53	5
Vanadium	ND		1.00	0.126	mg/Kg		10/20/25 15:15	10/23/25 14:53	5
Zinc	ND		2.50	2.08	mg/Kg		10/20/25 15:15	10/23/25 14:53	5

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

Lab Sample ID: LCS 705-89597/2-A
Matrix: Solid
Analysis Batch: 90654

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 89597

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	10.0	9.945		mg/Kg		99	80 - 120
Arsenic	10.0	10.41		mg/Kg		104	80 - 120
Barium	10.0	9.857		mg/Kg		99	80 - 120
Beryllium	10.0	9.628		mg/Kg		96	80 - 120
Cadmium	10.0	9.527		mg/Kg		95	80 - 120
Chromium	10.0	10.38		mg/Kg		104	80 - 120
Cobalt	10.0	10.70		mg/Kg		107	80 - 120
Copper	10.0	10.66		mg/Kg		107	80 - 120
Lead	10.0	10.57		mg/Kg		106	80 - 120
Manganese	10.0	10.10		mg/Kg		101	80 - 120
Nickel	10.0	10.47		mg/Kg		105	80 - 120
Selenium	10.0	9.942		mg/Kg		99	80 - 120
Silver	1.00	1.057		mg/Kg		106	80 - 120
Thallium	10.0	10.57		mg/Kg		106	80 - 120
Vanadium	10.0	10.25		mg/Kg		103	80 - 120
Zinc	10.0	10.60		mg/Kg		106	80 - 120

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 705-90277/1-A
Matrix: Solid
Analysis Batch: 90439

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 90277

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.100	0.0146	mg/Kg		10/23/25 08:13	10/23/25 11:16	1

Lab Sample ID: LCS 705-90277/2-A
Matrix: Solid
Analysis Batch: 90439

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 90277

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.400	0.3935		mg/Kg		98	80 - 120

Lab Sample ID: MB 705-90947/1-A
Matrix: Solid
Analysis Batch: 91040

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 90947

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.100	0.0146	mg/Kg		10/27/25 09:20	10/27/25 10:46	1

Lab Sample ID: LCS 705-90947/2-A
Matrix: Solid
Analysis Batch: 91040

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 90947

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.400	0.3838		mg/Kg		96	80 - 120

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MRL 400-727937/18
Matrix: Solid
Analysis Batch: 727937

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	0.05300		mg/L		106	50 - 150

Lab Sample ID: MB 400-727731/1-A
Matrix: Solid
Analysis Batch: 727937

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		1.00	0.320	mg/Kg			10/23/25 11:16	1

Lab Sample ID: LCS 400-727731/2-A
Matrix: Solid
Analysis Batch: 727937

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia (as N)	59.8	56.08		mg/Kg		94	90 - 110

Method: 7199 - Chromium, Hexavalent (IC)

Lab Sample ID: MB 400-727145/1-A
Matrix: Solid
Analysis Batch: 727721

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727145

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		1.00	0.100	mg/Kg		10/17/25 09:31	10/22/25 16:05	1

Lab Sample ID: LCS 400-727145/2-A
Matrix: Solid
Analysis Batch: 727721

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727145

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	2.00	1.822		mg/Kg		91	85 - 115

QC Association Summary

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38116-1

GC/MS VOA

Analysis Batch: 727513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38116-1	SED-1	Total/NA	Solid	8260D	727573
752-38116-2	SED-2	Total/NA	Solid	8260D	727573
752-38116-3	SED-3	Total/NA	Solid	8260D	727573
752-38116-4	SED-4	Total/NA	Solid	8260D	727573
752-38116-5	SED-5	Total/NA	Solid	8260D	727573
752-38116-6	SED-6	Total/NA	Solid	8260D	727573
752-38116-7	SED-7	Total/NA	Solid	8260D	727573
752-38116-8	SED-8	Total/NA	Solid	8260D	727573
752-38116-9	SED-9	Total/NA	Solid	8260D	727573
MB 400-727573/2-A	Method Blank	Total/NA	Solid	8260D	727573
LCS 400-727573/1-A	Lab Control Sample	Total/NA	Solid	8260D	727573

Prep Batch: 727573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38116-1	SED-1	Total/NA	Solid	5035	
752-38116-2	SED-2	Total/NA	Solid	5035	
752-38116-3	SED-3	Total/NA	Solid	5035	
752-38116-4	SED-4	Total/NA	Solid	5035	
752-38116-5	SED-5	Total/NA	Solid	5035	
752-38116-6	SED-6	Total/NA	Solid	5035	
752-38116-7	SED-7	Total/NA	Solid	5035	
752-38116-8	SED-8	Total/NA	Solid	5035	
752-38116-9	SED-9	Total/NA	Solid	5035	
MB 400-727573/2-A	Method Blank	Total/NA	Solid	5035	
LCS 400-727573/1-A	Lab Control Sample	Total/NA	Solid	5035	

Analysis Batch: 727708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38116-10	101425-Dup-SED	Total/NA	Solid	8260D	727744
MB 400-727744/1-A	Method Blank	Total/NA	Solid	8260D	727744
LCS 400-727744/2-A	Lab Control Sample	Total/NA	Solid	8260D	727744
LCSD 400-727744/3-A	Lab Control Sample Dup	Total/NA	Solid	8260D	727744

Prep Batch: 727744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38116-10	101425-Dup-SED	Total/NA	Solid	5035	
MB 400-727744/1-A	Method Blank	Total/NA	Solid	5035	
LCS 400-727744/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 400-727744/3-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 727836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38116-11	Trip Blank	Total/NA	Water	8260D	
MB 400-727836/5	Method Blank	Total/NA	Water	8260D	
LCS 400-727836/1002	Lab Control Sample	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 727135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38116-1	SED-1	Total/NA	Solid	3546	

GC/MS Semi VOA (Continued)

Prep Batch: 727135 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38116-2	SED-2	Total/NA	Solid	3546	
752-38116-3	SED-3	Total/NA	Solid	3546	
752-38116-4	SED-4	Total/NA	Solid	3546	
752-38116-5	SED-5	Total/NA	Solid	3546	
752-38116-6	SED-6	Total/NA	Solid	3546	
752-38116-7	SED-7	Total/NA	Solid	3546	
752-38116-8	SED-8	Total/NA	Solid	3546	
752-38116-9	SED-9	Total/NA	Solid	3546	
752-38116-10	101425-Dup-SED	Total/NA	Solid	3546	
MB 400-727135/1-A	Method Blank	Total/NA	Solid	3546	
LCS 400-727135/2-A	Lab Control Sample	Total/NA	Solid	3546	

Prep Batch: 727185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38116-1	SED-1	Total/NA	Solid	3546	
752-38116-2	SED-2	Total/NA	Solid	3546	
752-38116-3	SED-3	Total/NA	Solid	3546	
752-38116-4	SED-4	Total/NA	Solid	3546	
752-38116-5	SED-5	Total/NA	Solid	3546	
752-38116-6	SED-6	Total/NA	Solid	3546	
752-38116-7	SED-7	Total/NA	Solid	3546	
752-38116-8	SED-8	Total/NA	Solid	3546	
752-38116-9	SED-9	Total/NA	Solid	3546	
752-38116-10	101425-Dup-SED	Total/NA	Solid	3546	
MB 400-727185/1-A	Method Blank	Total/NA	Solid	3546	
LCS 400-727185/2-A	Lab Control Sample	Total/NA	Solid	3546	

Analysis Batch: 727319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38116-1	SED-1	Total/NA	Solid	8270E	727135
752-38116-2	SED-2	Total/NA	Solid	8270E	727135
752-38116-3	SED-3	Total/NA	Solid	8270E	727135
752-38116-4	SED-4	Total/NA	Solid	8270E	727135
752-38116-5	SED-5	Total/NA	Solid	8270E	727135
752-38116-6	SED-6	Total/NA	Solid	8270E	727135
752-38116-7	SED-7	Total/NA	Solid	8270E	727135
752-38116-8	SED-8	Total/NA	Solid	8270E	727135
752-38116-9	SED-9	Total/NA	Solid	8270E	727135
752-38116-10	101425-Dup-SED	Total/NA	Solid	8270E	727135
MB 400-727135/1-A	Method Blank	Total/NA	Solid	8270E	727135
LCS 400-727135/2-A	Lab Control Sample	Total/NA	Solid	8270E	727135

Analysis Batch: 727385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38116-1	SED-1	Total/NA	Solid	8270E	727135

Analysis Batch: 727462

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38116-1	SED-1	Total/NA	Solid	8270E SIM ID	727185
752-38116-2	SED-2	Total/NA	Solid	8270E SIM ID	727185
752-38116-3	SED-3	Total/NA	Solid	8270E SIM ID	727185

GC/MS Semi VOA (Continued)

Analysis Batch: 727462 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38116-4	SED-4	Total/NA	Solid	8270E SIM ID	727185
752-38116-5	SED-5	Total/NA	Solid	8270E SIM ID	727185
752-38116-6	SED-6	Total/NA	Solid	8270E SIM ID	727185
752-38116-7	SED-7	Total/NA	Solid	8270E SIM ID	727185
752-38116-8	SED-8	Total/NA	Solid	8270E SIM ID	727185
752-38116-9	SED-9	Total/NA	Solid	8270E SIM ID	727185
752-38116-10	101425-Dup-SED	Total/NA	Solid	8270E SIM ID	727185
MB 400-727185/1-A	Method Blank	Total/NA	Solid	8270E SIM ID	727185
LCS 400-727185/2-A	Lab Control Sample	Total/NA	Solid	8270E SIM ID	727185

Analysis Batch: 727536

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38116-2	SED-2	Total/NA	Solid	8270E	727135
752-38116-3	SED-3	Total/NA	Solid	8270E	727135
752-38116-4	SED-4	Total/NA	Solid	8270E	727135
752-38116-5	SED-5	Total/NA	Solid	8270E	727135
752-38116-6	SED-6	Total/NA	Solid	8270E	727135
752-38116-7	SED-7	Total/NA	Solid	8270E	727135
752-38116-8	SED-8	Total/NA	Solid	8270E	727135
752-38116-9	SED-9	Total/NA	Solid	8270E	727135

Analysis Batch: 727643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38116-2	SED-2	Total/NA	Solid	8270E	727135
752-38116-3	SED-3	Total/NA	Solid	8270E	727135
752-38116-6	SED-6	Total/NA	Solid	8270E	727135
752-38116-7	SED-7	Total/NA	Solid	8270E	727135
752-38116-8	SED-8	Total/NA	Solid	8270E	727135
752-38116-9	SED-9	Total/NA	Solid	8270E	727135

Analysis Batch: 727829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38116-4	SED-4	Total/NA	Solid	8270E	727135
752-38116-10	101425-Dup-SED	Total/NA	Solid	8270E	727135

HPLC/IC

Leach Batch: 89254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38116-1	SED-1	Soluble	Solid	DI Leach	
752-38116-2	SED-2	Soluble	Solid	DI Leach	
752-38116-3	SED-3	Soluble	Solid	DI Leach	
752-38116-4	SED-4	Soluble	Solid	DI Leach	
752-38116-5	SED-5	Soluble	Solid	DI Leach	
752-38116-6	SED-6	Soluble	Solid	DI Leach	
752-38116-7	SED-7	Soluble	Solid	DI Leach	
752-38116-8	SED-8	Soluble	Solid	DI Leach	
752-38116-9	SED-9	Soluble	Solid	DI Leach	
752-38116-10	101425-Dup-SED	Soluble	Solid	DI Leach	
MB 705-89254/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 705-89254/2-A	Lab Control Sample	Soluble	Solid	DI Leach	

HPLC/IC

Analysis Batch: 89281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38116-1	SED-1	Soluble	Solid	9056A	89254
752-38116-2	SED-2	Soluble	Solid	9056A	89254
752-38116-3	SED-3	Soluble	Solid	9056A	89254
752-38116-4	SED-4	Soluble	Solid	9056A	89254
752-38116-5	SED-5	Soluble	Solid	9056A	89254
752-38116-6	SED-6	Soluble	Solid	9056A	89254
752-38116-7	SED-7	Soluble	Solid	9056A	89254
752-38116-8	SED-8	Soluble	Solid	9056A	89254
752-38116-9	SED-9	Soluble	Solid	9056A	89254
752-38116-10	101425-Dup-SED	Soluble	Solid	9056A	89254
MB 705-89254/1-A	Method Blank	Soluble	Solid	9056A	89254
LCS 705-89254/2-A	Lab Control Sample	Soluble	Solid	9056A	89254

Analysis Batch: 89282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38116-1	SED-1	Soluble	Solid	9056A	89254
752-38116-2	SED-2	Soluble	Solid	9056A	89254
752-38116-3	SED-3	Soluble	Solid	9056A	89254
752-38116-4	SED-4	Soluble	Solid	9056A	89254
752-38116-5	SED-5	Soluble	Solid	9056A	89254
752-38116-6	SED-6	Soluble	Solid	9056A	89254
752-38116-7	SED-7	Soluble	Solid	9056A	89254
752-38116-8	SED-8	Soluble	Solid	9056A	89254
752-38116-9	SED-9	Soluble	Solid	9056A	89254
752-38116-10	101425-Dup-SED	Soluble	Solid	9056A	89254
MB 705-89254/1-A	Method Blank	Soluble	Solid	9056A	89254
LCS 705-89254/2-A	Lab Control Sample	Soluble	Solid	9056A	89254

Metals

Prep Batch: 89597

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38116-1	SED-1	Total/NA	Solid	3050B	
752-38116-2	SED-2	Total/NA	Solid	3050B	
752-38116-3	SED-3	Total/NA	Solid	3050B	
752-38116-4	SED-4	Total/NA	Solid	3050B	
752-38116-5	SED-5	Total/NA	Solid	3050B	
752-38116-6	SED-6	Total/NA	Solid	3050B	
752-38116-7	SED-7	Total/NA	Solid	3050B	
752-38116-8	SED-8	Total/NA	Solid	3050B	
752-38116-9	SED-9	Total/NA	Solid	3050B	
752-38116-10	101425-Dup-SED	Total/NA	Solid	3050B	
MB 705-89597/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 705-89597/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 90277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38116-1	SED-1	Total/NA	Solid	7471B	
752-38116-2	SED-2	Total/NA	Solid	7471B	
752-38116-3	SED-3	Total/NA	Solid	7471B	
752-38116-4	SED-4	Total/NA	Solid	7471B	

Metals (Continued)

Prep Batch: 90277 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 705-90277/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 705-90277/2-A	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 90439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38116-1	SED-1	Total/NA	Solid	7471B	90277
752-38116-2	SED-2	Total/NA	Solid	7471B	90277
752-38116-3	SED-3	Total/NA	Solid	7471B	90277
752-38116-4	SED-4	Total/NA	Solid	7471B	90277
MB 705-90277/1-A	Method Blank	Total/NA	Solid	7471B	90277
LCS 705-90277/2-A	Lab Control Sample	Total/NA	Solid	7471B	90277

Analysis Batch: 90654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38116-1	SED-1	Total/NA	Solid	6020B	89597
752-38116-2	SED-2	Total/NA	Solid	6020B	89597
752-38116-3	SED-3	Total/NA	Solid	6020B	89597
752-38116-4	SED-4	Total/NA	Solid	6020B	89597
752-38116-5	SED-5	Total/NA	Solid	6020B	89597
752-38116-6	SED-6	Total/NA	Solid	6020B	89597
752-38116-7	SED-7	Total/NA	Solid	6020B	89597
752-38116-8	SED-8	Total/NA	Solid	6020B	89597
MB 705-89597/1-A	Method Blank	Total/NA	Solid	6020B	89597
LCS 705-89597/2-A	Lab Control Sample	Total/NA	Solid	6020B	89597

Analysis Batch: 90898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38116-9	SED-9	Total/NA	Solid	6020B	89597
752-38116-10	101425-Dup-SED	Total/NA	Solid	6020B	89597

Prep Batch: 90947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38116-5	SED-5	Total/NA	Solid	7471B	
752-38116-6	SED-6	Total/NA	Solid	7471B	
752-38116-7	SED-7	Total/NA	Solid	7471B	
752-38116-8	SED-8	Total/NA	Solid	7471B	
752-38116-9	SED-9	Total/NA	Solid	7471B	
752-38116-10	101425-Dup-SED	Total/NA	Solid	7471B	
MB 705-90947/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 705-90947/2-A	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 91040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38116-5	SED-5	Total/NA	Solid	7471B	90947
752-38116-6	SED-6	Total/NA	Solid	7471B	90947
752-38116-7	SED-7	Total/NA	Solid	7471B	90947
752-38116-8	SED-8	Total/NA	Solid	7471B	90947
752-38116-9	SED-9	Total/NA	Solid	7471B	90947
752-38116-10	101425-Dup-SED	Total/NA	Solid	7471B	90947
MB 705-90947/1-A	Method Blank	Total/NA	Solid	7471B	90947
LCS 705-90947/2-A	Lab Control Sample	Total/NA	Solid	7471B	90947

General Chemistry

Prep Batch: 727145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38116-1	SED-1	Total/NA	Solid	3060A	
752-38116-2	SED-2	Total/NA	Solid	3060A	
752-38116-3	SED-3	Total/NA	Solid	3060A	
752-38116-4	SED-4	Total/NA	Solid	3060A	
752-38116-5	SED-5	Total/NA	Solid	3060A	
752-38116-6	SED-6	Total/NA	Solid	3060A	
752-38116-7	SED-7	Total/NA	Solid	3060A	
752-38116-8	SED-8	Total/NA	Solid	3060A	
752-38116-9	SED-9	Total/NA	Solid	3060A	
752-38116-10	101425-Dup-SED	Total/NA	Solid	3060A	
MB 400-727145/1-A	Method Blank	Total/NA	Solid	3060A	
LCS 400-727145/2-A	Lab Control Sample	Total/NA	Solid	3060A	

Analysis Batch: 727457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38116-1	SED-1	Total/NA	Solid	Moisture	
752-38116-2	SED-2	Total/NA	Solid	Moisture	
752-38116-3	SED-3	Total/NA	Solid	Moisture	
752-38116-4	SED-4	Total/NA	Solid	Moisture	
752-38116-5	SED-5	Total/NA	Solid	Moisture	
752-38116-6	SED-6	Total/NA	Solid	Moisture	
752-38116-7	SED-7	Total/NA	Solid	Moisture	
752-38116-8	SED-8	Total/NA	Solid	Moisture	
752-38116-9	SED-9	Total/NA	Solid	Moisture	
752-38116-10	101425-Dup-SED	Total/NA	Solid	Moisture	

Analysis Batch: 727721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38116-1	SED-1	Total/NA	Solid	7199	727145
752-38116-2	SED-2	Total/NA	Solid	7199	727145
752-38116-3	SED-3	Total/NA	Solid	7199	727145
752-38116-4	SED-4	Total/NA	Solid	7199	727145
752-38116-5	SED-5	Total/NA	Solid	7199	727145
752-38116-6	SED-6	Total/NA	Solid	7199	727145
752-38116-7	SED-7	Total/NA	Solid	7199	727145
752-38116-8	SED-8	Total/NA	Solid	7199	727145
752-38116-9	SED-9	Total/NA	Solid	7199	727145
752-38116-10	101425-Dup-SED	Total/NA	Solid	7199	727145
MB 400-727145/1-A	Method Blank	Total/NA	Solid	7199	727145
LCS 400-727145/2-A	Lab Control Sample	Total/NA	Solid	7199	727145

Leach Batch: 727731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38116-1	SED-1	Soluble	Solid	DI Leach	
752-38116-2	SED-2	Soluble	Solid	DI Leach	
752-38116-3	SED-3	Soluble	Solid	DI Leach	
752-38116-4	SED-4	Soluble	Solid	DI Leach	
752-38116-5	SED-5	Soluble	Solid	DI Leach	
752-38116-6	SED-6	Soluble	Solid	DI Leach	
752-38116-7	SED-7	Soluble	Solid	DI Leach	
752-38116-8	SED-8	Soluble	Solid	DI Leach	

General Chemistry (Continued)

Leach Batch: 727731 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38116-9	SED-9	Soluble	Solid	DI Leach	
752-38116-10	101425-Dup-SED	Soluble	Solid	DI Leach	
MB 400-727731/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 400-727731/2-A	Lab Control Sample	Soluble	Solid	DI Leach	

Analysis Batch: 727937

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-38116-1	SED-1	Soluble	Solid	350.1	727731
752-38116-2	SED-2	Soluble	Solid	350.1	727731
752-38116-3	SED-3	Soluble	Solid	350.1	727731
752-38116-4	SED-4	Soluble	Solid	350.1	727731
752-38116-5	SED-5	Soluble	Solid	350.1	727731
752-38116-6	SED-6	Soluble	Solid	350.1	727731
752-38116-7	SED-7	Soluble	Solid	350.1	727731
752-38116-8	SED-8	Soluble	Solid	350.1	727731
752-38116-9	SED-9	Soluble	Solid	350.1	727731
752-38116-10	101425-Dup-SED	Soluble	Solid	350.1	727731
MB 400-727731/1-A	Method Blank	Soluble	Solid	350.1	727731
LCS 400-727731/2-A	Lab Control Sample	Soluble	Solid	350.1	727731
MRL 400-727937/18	Lab Control Sample	Total/NA	Solid	350.1	

Lab Chronicle

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38116-1

Client Sample ID: SED-1
Date Collected: 10/14/25 12:10
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38116-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	727457	TMP	EET PEN	10/20/25 14:03

Client Sample ID: SED-1
Date Collected: 10/14/25 12:10
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38116-1
Matrix: Solid
Percent Solids: 81.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			727573	BPO	EET PEN	10/21/25 10:30
Total/NA	Analysis	8260D		1	727513	BPO	EET PEN	10/21/25 16:51
Total/NA	Prep	3546			727135	AMM	EET PEN	10/17/25 09:18
Total/NA	Analysis	8270E		2	727385	S1B	EET PEN	10/20/25 17:57
Total/NA	Prep	3546			727135	AMM	EET PEN	10/17/25 09:18
Total/NA	Analysis	8270E		2	727319	VC1	EET PEN	10/18/25 23:11
Total/NA	Prep	3546			727185	EJW	EET PEN	10/17/25 12:03
Total/NA	Analysis	8270E SIM ID		5	727462	VC1	EET PEN	10/21/25 00:38
Soluble	Leach	DI Leach			89254	MS	EET ATL	10/17/25 14:46
Soluble	Analysis	9056A		1	89281	MS	EET ATL	10/17/25 23:52
Soluble	Leach	DI Leach			89254	MS	EET ATL	10/17/25 14:46
Soluble	Analysis	9056A		1	89282	MS	EET ATL	10/17/25 23:52
Total/NA	Prep	3050B			89597	BR	EET ATL	10/20/25 15:15
Total/NA	Analysis	6020B		5	90654	IF	EET ATL	10/24/25 04:56
Total/NA	Prep	7471B			90277	GR	EET ATL	10/23/25 08:13
Total/NA	Analysis	7471B		1	90439	GR	EET ATL	10/23/25 12:39
Soluble	Leach	DI Leach			727731	CAC	EET PEN	10/22/25 14:31
Soluble	Analysis	350.1		1	727937	CAC	EET PEN	10/23/25 11:28
Total/NA	Prep	3060A			727145	AC	EET PEN	10/17/25 09:31
Total/NA	Analysis	7199		1	727721	AR	EET PEN	10/22/25 17:46

Client Sample ID: SED-2
Date Collected: 10/14/25 12:45
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38116-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	727457	TMP	EET PEN	10/20/25 14:03

Client Sample ID: SED-2
Date Collected: 10/14/25 12:45
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38116-2
Matrix: Solid
Percent Solids: 78.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			727573	BPO	EET PEN	10/21/25 10:30
Total/NA	Analysis	8260D		1	727513	BPO	EET PEN	10/21/25 17:11
Total/NA	Prep	3546			727135	AMM	EET PEN	10/17/25 09:18
Total/NA	Analysis	8270E		2	727536	S1B	EET PEN	10/21/25 18:12

Client Sample ID: SED-2
Date Collected: 10/14/25 12:45
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38116-2
Matrix: Solid
Percent Solids: 78.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			727135	AMM	EET PEN	10/17/25 09:18
Total/NA	Analysis	8270E		2	727319	VC1	EET PEN	10/18/25 23:42
Total/NA	Prep	3546			727135	AMM	EET PEN	10/17/25 09:18
Total/NA	Analysis	8270E		2	727643	S1B	EET PEN	10/22/25 11:10
Total/NA	Prep	3546			727185	EJW	EET PEN	10/17/25 12:03
Total/NA	Analysis	8270E SIM ID		5	727462	VC1	EET PEN	10/21/25 00:59
Soluble	Leach	DI Leach			89254	MS	EET ATL	10/17/25 14:46
Soluble	Analysis	9056A		1	89281	MS	EET ATL	10/18/25 00:38
Soluble	Leach	DI Leach			89254	MS	EET ATL	10/17/25 14:46
Soluble	Analysis	9056A		1	89282	MS	EET ATL	10/18/25 00:38
Total/NA	Prep	3050B			89597	BR	EET ATL	10/20/25 15:15
Total/NA	Analysis	6020B		5	90654	IF	EET ATL	10/24/25 04:59
Total/NA	Prep	7471B			90277	GR	EET ATL	10/23/25 08:13
Total/NA	Analysis	7471B		1	90439	GR	EET ATL	10/23/25 12:42
Soluble	Leach	DI Leach			727731	CAC	EET PEN	10/22/25 14:31
Soluble	Analysis	350.1		1	727937	CAC	EET PEN	10/23/25 11:31
Total/NA	Prep	3060A			727145	AC	EET PEN	10/17/25 09:31
Total/NA	Analysis	7199		1	727721	AR	EET PEN	10/22/25 17:59

Client Sample ID: SED-3
Date Collected: 10/14/25 13:15
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38116-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	727457	TMP	EET PEN	10/20/25 14:03

Client Sample ID: SED-3
Date Collected: 10/14/25 13:15
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38116-3
Matrix: Solid
Percent Solids: 72.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			727573	BPO	EET PEN	10/21/25 10:30
Total/NA	Analysis	8260D		1	727513	BPO	EET PEN	10/21/25 17:32
Total/NA	Prep	3546			727135	AMM	EET PEN	10/17/25 09:18
Total/NA	Analysis	8270E		2	727536	S1B	EET PEN	10/21/25 18:43
Total/NA	Prep	3546			727135	AMM	EET PEN	10/17/25 09:18
Total/NA	Analysis	8270E		2	727319	VC1	EET PEN	10/19/25 00:13
Total/NA	Prep	3546			727135	AMM	EET PEN	10/17/25 09:18
Total/NA	Analysis	8270E		2	727643	S1B	EET PEN	10/22/25 11:41
Total/NA	Prep	3546			727185	EJW	EET PEN	10/17/25 12:03
Total/NA	Analysis	8270E SIM ID		5	727462	VC1	EET PEN	10/21/25 01:20
Soluble	Leach	DI Leach			89254	MS	EET ATL	10/17/25 14:46
Soluble	Analysis	9056A		1	89281	MS	EET ATL	10/18/25 00:49
Soluble	Leach	DI Leach			89254	MS	EET ATL	10/17/25 14:46
Soluble	Analysis	9056A		1	89282	MS	EET ATL	10/18/25 00:49

Lab Chronicle

Client: S&ME Inc
Job ID: 752-38116-1
Project/Site: East End Park, Durham, NC

Client Sample ID: SED-3
Lab Sample ID: 752-38116-3
Date Collected: 10/14/25 13:15
Matrix: Solid
Date Received: 10/15/25 08:00
Percent Solids: 72.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3050B			89597	BR	EET ATL	10/20/25 15:15
Total/NA	Analysis	6020B		5	90654	IF	EET ATL	10/24/25 05:03
Total/NA	Prep	7471B			90277	GR	EET ATL	10/23/25 08:13
Total/NA	Analysis	7471B		1	90439	GR	EET ATL	10/23/25 12:45
Soluble	Leach	DI Leach			727731	CAC	EET PEN	10/22/25 14:31
Soluble	Analysis	350.1		1	727937	CAC	EET PEN	10/23/25 11:33
Total/NA	Prep	3060A			727145	AC	EET PEN	10/17/25 09:31
Total/NA	Analysis	7199		1	727721	AR	EET PEN	10/22/25 18:37

Client Sample ID: SED-4
Lab Sample ID: 752-38116-4
Date Collected: 10/14/25 13:45
Matrix: Solid
Date Received: 10/15/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	727457	TMP	EET PEN	10/20/25 14:03

Client Sample ID: SED-4
Lab Sample ID: 752-38116-4
Date Collected: 10/14/25 13:45
Matrix: Solid
Date Received: 10/15/25 08:00
Percent Solids: 82.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			727573	BPO	EET PEN	10/21/25 10:30
Total/NA	Analysis	8260D		1	727513	BPO	EET PEN	10/21/25 17:53
Total/NA	Prep	3546			727135	AMM	EET PEN	10/17/25 09:18
Total/NA	Analysis	8270E		2	727536	S1B	EET PEN	10/21/25 19:14
Total/NA	Prep	3546			727135	AMM	EET PEN	10/17/25 09:18
Total/NA	Analysis	8270E		2	727319	VC1	EET PEN	10/19/25 00:44
Total/NA	Prep	3546			727135	AMM	EET PEN	10/17/25 09:18
Total/NA	Analysis	8270E		2	727829	VC1	EET PEN	10/23/25 12:51
Total/NA	Prep	3546			727185	EJW	EET PEN	10/17/25 12:03
Total/NA	Analysis	8270E SIM ID		5	727462	VC1	EET PEN	10/21/25 01:42
Soluble	Leach	DI Leach			89254	MS	EET ATL	10/17/25 14:46
Soluble	Analysis	9056A		1	89281	MS	EET ATL	10/18/25 01:00
Soluble	Leach	DI Leach			89254	MS	EET ATL	10/17/25 14:46
Soluble	Analysis	9056A		1	89282	MS	EET ATL	10/18/25 01:00
Total/NA	Prep	3050B			89597	BR	EET ATL	10/20/25 15:15
Total/NA	Analysis	6020B		5	90654	IF	EET ATL	10/24/25 05:06
Total/NA	Prep	7471B			90277	GR	EET ATL	10/23/25 08:13
Total/NA	Analysis	7471B		1	90439	GR	EET ATL	10/23/25 12:48
Soluble	Leach	DI Leach			727731	CAC	EET PEN	10/22/25 14:31
Soluble	Analysis	350.1		1	727937	CAC	EET PEN	10/23/25 11:36
Total/NA	Prep	3060A			727145	AC	EET PEN	10/17/25 09:31
Total/NA	Analysis	7199		1	727721	AR	EET PEN	10/22/25 18:50

Lab Chronicle

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38116-1

Client Sample ID: SED-5
Date Collected: 10/14/25 14:15
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38116-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	727457	TMP	EET PEN	10/20/25 14:03

Client Sample ID: SED-5
Date Collected: 10/14/25 14:15
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38116-5
Matrix: Solid
Percent Solids: 76.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			727573	BPO	EET PEN	10/21/25 10:30
Total/NA	Analysis	8260D		1	727513	BPO	EET PEN	10/21/25 18:14
Total/NA	Prep	3546			727135	AMM	EET PEN	10/17/25 09:18
Total/NA	Analysis	8270E		2	727536	S1B	EET PEN	10/21/25 19:45
Total/NA	Prep	3546			727135	AMM	EET PEN	10/17/25 09:18
Total/NA	Analysis	8270E		2	727319	VC1	EET PEN	10/19/25 01:15
Total/NA	Prep	3546			727185	EJW	EET PEN	10/17/25 12:03
Total/NA	Analysis	8270E SIM ID		5	727462	VC1	EET PEN	10/21/25 02:03
Soluble	Leach	DI Leach			89254	MS	EET ATL	10/17/25 14:46
Soluble	Analysis	9056A		1	89281	MS	EET ATL	10/18/25 01:12
Soluble	Leach	DI Leach			89254	MS	EET ATL	10/17/25 14:46
Soluble	Analysis	9056A		1	89282	MS	EET ATL	10/18/25 01:12
Total/NA	Prep	3050B			89597	BR	EET ATL	10/20/25 15:15
Total/NA	Analysis	6020B		5	90654	IF	EET ATL	10/24/25 05:09
Total/NA	Prep	7471B			90947	GR	EET ATL	10/27/25 09:20
Total/NA	Analysis	7471B		1	91040	GR	EET ATL	10/27/25 11:46
Soluble	Leach	DI Leach			727731	CAC	EET PEN	10/22/25 14:31
Soluble	Analysis	350.1		1	727937	CAC	EET PEN	10/23/25 11:39
Total/NA	Prep	3060A			727145	AC	EET PEN	10/17/25 09:31
Total/NA	Analysis	7199		1	727721	AR	EET PEN	10/22/25 19:02

Client Sample ID: SED-6
Date Collected: 10/14/25 14:45
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38116-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	727457	TMP	EET PEN	10/20/25 14:03

Client Sample ID: SED-6
Date Collected: 10/14/25 14:45
Date Received: 10/15/25 08:00

Lab Sample ID: 752-38116-6
Matrix: Solid
Percent Solids: 73.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			727573	BPO	EET PEN	10/21/25 10:30
Total/NA	Analysis	8260D		1	727513	BPO	EET PEN	10/21/25 18:35
Total/NA	Prep	3546			727135	AMM	EET PEN	10/17/25 09:18
Total/NA	Analysis	8270E		1	727536	S1B	EET PEN	10/21/25 20:16

Lab Chronicle

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38116-1

Client Sample ID: SED-6

Lab Sample ID: 752-38116-6
Date Collected: 10/14/25 14:45
Matrix: Solid
Date Received: 10/15/25 08:00
Percent Solids: 73.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			727135	AMM	EET PEN	10/17/25 09:18
Total/NA	Analysis	8270E		1	727319	VC1	EET PEN	10/19/25 01:46
Total/NA	Prep	3546			727135	AMM	EET PEN	10/17/25 09:18
Total/NA	Analysis	8270E		1	727643	S1B	EET PEN	10/22/25 12:43
Total/NA	Prep	3546			727185	EJW	EET PEN	10/17/25 12:03
Total/NA	Analysis	8270E SIM ID		5	727462	VC1	EET PEN	10/21/25 02:24
Soluble	Leach	DI Leach			89254	MS	EET ATL	10/17/25 14:46
Soluble	Analysis	9056A		1	89281	MS	EET ATL	10/18/25 01:23
Soluble	Leach	DI Leach			89254	MS	EET ATL	10/17/25 14:46
Soluble	Analysis	9056A		1	89282	MS	EET ATL	10/18/25 01:23
Total/NA	Prep	3050B			89597	BR	EET ATL	10/20/25 15:15
Total/NA	Analysis	6020B		5	90654	IF	EET ATL	10/24/25 05:12
Total/NA	Prep	7471B			90947	GR	EET ATL	10/27/25 09:20
Total/NA	Analysis	7471B		1	91040	GR	EET ATL	10/27/25 11:49
Soluble	Leach	DI Leach			727731	CAC	EET PEN	10/22/25 14:31
Soluble	Analysis	350.1		1	727937	CAC	EET PEN	10/23/25 11:42
Total/NA	Prep	3060A			727145	AC	EET PEN	10/17/25 09:31
Total/NA	Analysis	7199		1	727721	AR	EET PEN	10/22/25 19:15

Client Sample ID: SED-7

Lab Sample ID: 752-38116-7
Date Collected: 10/14/25 15:35
Matrix: Solid
Date Received: 10/15/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	727457	TMP	EET PEN	10/20/25 14:03

Client Sample ID: SED-7

Lab Sample ID: 752-38116-7
Date Collected: 10/14/25 15:35
Matrix: Solid
Date Received: 10/15/25 08:00
Percent Solids: 79.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			727573	BPO	EET PEN	10/21/25 10:30
Total/NA	Analysis	8260D		1	727513	BPO	EET PEN	10/21/25 18:55
Total/NA	Prep	3546			727135	AMM	EET PEN	10/17/25 09:18
Total/NA	Analysis	8270E		2	727536	S1B	EET PEN	10/21/25 20:46
Total/NA	Prep	3546			727135	AMM	EET PEN	10/17/25 09:18
Total/NA	Analysis	8270E		2	727319	VC1	EET PEN	10/19/25 02:17
Total/NA	Prep	3546			727135	AMM	EET PEN	10/17/25 09:18
Total/NA	Analysis	8270E		2	727643	S1B	EET PEN	10/22/25 13:13
Total/NA	Prep	3546			727185	EJW	EET PEN	10/17/25 12:03
Total/NA	Analysis	8270E SIM ID		5	727462	VC1	EET PEN	10/21/25 02:46
Soluble	Leach	DI Leach			89254	MS	EET ATL	10/17/25 14:46
Soluble	Analysis	9056A		1	89281	MS	EET ATL	10/18/25 01:35
Soluble	Leach	DI Leach			89254	MS	EET ATL	10/17/25 14:46
Soluble	Analysis	9056A		1	89282	MS	EET ATL	10/18/25 01:35

Lab Chronicle

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38116-1

Client Sample ID: SED-7

Lab Sample ID: 752-38116-7
Date Collected: 10/14/25 15:35
Matrix: Solid
Date Received: 10/15/25 08:00
Percent Solids: 79.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3050B			89597	BR	EET ATL	10/20/25 15:15
Total/NA	Analysis	6020B		5	90654	IF	EET ATL	10/24/25 05:15
Total/NA	Prep	7471B			90947	GR	EET ATL	10/27/25 09:20
Total/NA	Analysis	7471B		1	91040	GR	EET ATL	10/27/25 11:52
Soluble	Leach	DI Leach			727731	CAC	EET PEN	10/22/25 14:31
Soluble	Analysis	350.1		1	727937	CAC	EET PEN	10/23/25 11:55
Total/NA	Prep	3060A			727145	AC	EET PEN	10/17/25 09:31
Total/NA	Analysis	7199		1	727721	AR	EET PEN	10/22/25 19:28

Client Sample ID: SED-8

Lab Sample ID: 752-38116-8
Date Collected: 10/14/25 16:15
Matrix: Solid
Date Received: 10/15/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	727457	TMP	EET PEN	10/20/25 14:03

Client Sample ID: SED-8

Lab Sample ID: 752-38116-8
Date Collected: 10/14/25 16:15
Matrix: Solid
Date Received: 10/15/25 08:00
Percent Solids: 78.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			727573	BPO	EET PEN	10/21/25 10:30
Total/NA	Analysis	8260D		1	727513	BPO	EET PEN	10/21/25 19:16
Total/NA	Prep	3546			727135	AMM	EET PEN	10/17/25 09:18
Total/NA	Analysis	8270E		2	727536	S1B	EET PEN	10/21/25 21:17
Total/NA	Prep	3546			727135	AMM	EET PEN	10/17/25 09:18
Total/NA	Analysis	8270E		2	727319	VC1	EET PEN	10/19/25 02:48
Total/NA	Prep	3546			727135	AMM	EET PEN	10/17/25 09:18
Total/NA	Analysis	8270E		2	727643	S1B	EET PEN	10/22/25 13:44
Total/NA	Prep	3546			727185	EJW	EET PEN	10/17/25 12:03
Total/NA	Analysis	8270E SIM ID		5	727462	VC1	EET PEN	10/21/25 03:07
Soluble	Leach	DI Leach			89254	MS	EET ATL	10/17/25 14:46
Soluble	Analysis	9056A		1	89281	MS	EET ATL	10/18/25 01:46
Soluble	Leach	DI Leach			89254	MS	EET ATL	10/17/25 14:46
Soluble	Analysis	9056A		1	89282	MS	EET ATL	10/18/25 01:46
Total/NA	Prep	3050B			89597	BR	EET ATL	10/20/25 15:15
Total/NA	Analysis	6020B		5	90654	IF	EET ATL	10/24/25 05:18
Total/NA	Prep	7471B			90947	GR	EET ATL	10/27/25 09:20
Total/NA	Analysis	7471B		1	91040	GR	EET ATL	10/27/25 11:56
Soluble	Leach	DI Leach			727731	CAC	EET PEN	10/22/25 14:31
Soluble	Analysis	350.1		1	727937	CAC	EET PEN	10/23/25 11:58
Total/NA	Prep	3060A			727145	AC	EET PEN	10/17/25 09:31
Total/NA	Analysis	7199		1	727721	AR	EET PEN	10/22/25 19:40

Lab Chronicle

Client: S&ME Inc
Job ID: 752-38116-1
Project/Site: East End Park, Durham, NC

Client Sample ID: SED-9
Lab Sample ID: 752-38116-9
Date Collected: 10/14/25 16:45
Matrix: Solid
Date Received: 10/15/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	727457	TMP	EET PEN	10/20/25 14:03

Client Sample ID: SED-9
Lab Sample ID: 752-38116-9
Date Collected: 10/14/25 16:45
Matrix: Solid
Date Received: 10/15/25 08:00
Percent Solids: 77.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			727573	BPO	EET PEN	10/21/25 10:30
Total/NA	Analysis	8260D		1	727513	BPO	EET PEN	10/21/25 19:37
Total/NA	Prep	3546			727135	AMM	EET PEN	10/17/25 09:18
Total/NA	Analysis	8270E		2	727536	S1B	EET PEN	10/21/25 21:48
Total/NA	Prep	3546			727135	AMM	EET PEN	10/17/25 09:18
Total/NA	Analysis	8270E		2	727319	VC1	EET PEN	10/19/25 03:19
Total/NA	Prep	3546			727135	AMM	EET PEN	10/17/25 09:18
Total/NA	Analysis	8270E		2	727643	S1B	EET PEN	10/22/25 14:15
Total/NA	Prep	3546			727185	EJW	EET PEN	10/17/25 12:03
Total/NA	Analysis	8270E SIM ID		5	727462	VC1	EET PEN	10/21/25 03:28
Soluble	Leach	DI Leach			89254	MS	EET ATL	10/17/25 14:46
Soluble	Analysis	9056A		1	89281	MS	EET ATL	10/18/25 01:57
Soluble	Leach	DI Leach			89254	MS	EET ATL	10/17/25 14:46
Soluble	Analysis	9056A		1	89282	MS	EET ATL	10/18/25 01:57
Total/NA	Prep	3050B			89597	BR	EET ATL	10/20/25 15:15
Total/NA	Analysis	6020B		5	90898	IF	EET ATL	10/24/25 16:45
Total/NA	Prep	7471B			90947	GR	EET ATL	10/27/25 09:20
Total/NA	Analysis	7471B		1	91040	GR	EET ATL	10/27/25 12:06
Soluble	Leach	DI Leach			727731	CAC	EET PEN	10/22/25 14:31
Soluble	Analysis	350.1		1	727937	CAC	EET PEN	10/23/25 12:00
Total/NA	Prep	3060A			727145	AC	EET PEN	10/17/25 09:31
Total/NA	Analysis	7199		1	727721	AR	EET PEN	10/22/25 19:53

Client Sample ID: 101425-Dup-SED
Lab Sample ID: 752-38116-10
Date Collected: 10/14/25 00:00
Matrix: Solid
Date Received: 10/15/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	727457	TMP	EET PEN	10/20/25 14:03

Client Sample ID: 101425-Dup-SED
Lab Sample ID: 752-38116-10
Date Collected: 10/14/25 00:00
Matrix: Solid
Date Received: 10/15/25 08:00
Percent Solids: 81.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			727744	CAR	EET PEN	10/22/25 15:18
Total/NA	Analysis	8260D		1	727708	CAR	EET PEN	10/22/25 18:31

Lab Chronicle

Client: S&ME Inc
Job ID: 752-38116-1
Project/Site: East End Park, Durham, NC

Client Sample ID: 101425-Dup-SED
Lab Sample ID: 752-38116-10
Date Collected: 10/14/25 00:00
Matrix: Solid
Date Received: 10/15/25 08:00
Percent Solids: 81.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			727135	AMM	EET PEN	10/17/25 09:18
Total/NA	Analysis	8270E		2	727319	VC1	EET PEN	10/19/25 03:50
Total/NA	Prep	3546			727135	AMM	EET PEN	10/17/25 09:18
Total/NA	Analysis	8270E		2	727829	VC1	EET PEN	10/23/25 13:21
Total/NA	Prep	3546			727185	EJW	EET PEN	10/17/25 12:03
Total/NA	Analysis	8270E SIM ID		5	727462	VC1	EET PEN	10/21/25 03:50
Soluble	Leach	DI Leach			89254	MS	EET ATL	10/17/25 14:46
Soluble	Analysis	9056A		1	89281	MS	EET ATL	10/18/25 02:09
Soluble	Leach	DI Leach			89254	MS	EET ATL	10/17/25 14:46
Soluble	Analysis	9056A		1	89282	MS	EET ATL	10/18/25 02:09
Total/NA	Prep	3050B			89597	BR	EET ATL	10/20/25 15:15
Total/NA	Analysis	6020B		5	90898	IF	EET ATL	10/24/25 16:53
Total/NA	Prep	7471B			90947	GR	EET ATL	10/27/25 09:20
Total/NA	Analysis	7471B		1	91040	GR	EET ATL	10/27/25 12:09
Soluble	Leach	DI Leach			727731	CAC	EET PEN	10/22/25 14:31
Soluble	Analysis	350.1		1	727937	CAC	EET PEN	10/23/25 12:03
Total/NA	Prep	3060A			727145	AC	EET PEN	10/17/25 09:31
Total/NA	Analysis	7199		1	727721	AR	EET PEN	10/22/25 20:06

Client Sample ID: Trip Blank
Lab Sample ID: 752-38116-11
Date Collected: 10/14/25 00:00
Matrix: Water
Date Received: 10/15/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	727836	RSG	EET PEN	10/23/25 20:39

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Accreditation/Certification Summary

Client: S&ME Inc
Job ID: 752-38116-1
Project/Site: East End Park, Durham, NC

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	Hexane
8260D		Water	n-Heptane
8260D	5035	Solid	Hexane
8260D	5035	Solid	n-Heptane
8270E	3546	Solid	3 & 4 Methylphenol
8270E	3546	Solid	4-Nitrophenol
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38116-1

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 ATL
6020B	Metals (ICP/MS)	SW846	EET ATL
7471B	Mercury (CVAA)	SW846	EET ATL
350.1	Nitrogen, Ammonia	EPA	EET PEN
7199	Chromium, Hexavalent (IC)	SW846	EET PEN
Moisture	Percent Moisture	EPA	EET PEN
3050B	Preparation, Metals	SW846	EET ATL
3060A	Alkaline Digestion (Chromium, Hexavalent)	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
7471B	Preparation, Mercury	SW846	EET ATL
DI Leach	Deionized Water Leaching Procedure	ASTM	EET ATL
DI Leach	Deionized Water Leaching Procedure	ASTM	EET PEN

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Sample Summary

Client: S&ME Inc
Project/Site: East End Park, Durham, NC

Job ID: 752-38116-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
752-38116-1	SED-1	Solid	10/14/25 12:10	10/15/25 08:00	North Carolina
752-38116-2	SED-2	Solid	10/14/25 12:45	10/15/25 08:00	North Carolina
752-38116-3	SED-3	Solid	10/14/25 13:15	10/15/25 08:00	North Carolina
752-38116-4	SED-4	Solid	10/14/25 13:45	10/15/25 08:00	North Carolina
752-38116-5	SED-5	Solid	10/14/25 14:15	10/15/25 08:00	North Carolina
752-38116-6	SED-6	Solid	10/14/25 14:45	10/15/25 08:00	North Carolina
752-38116-7	SED-7	Solid	10/14/25 15:35	10/15/25 08:00	North Carolina
752-38116-8	SED-8	Solid	10/14/25 16:15	10/15/25 08:00	North Carolina
752-38116-9	SED-9	Solid	10/14/25 16:45	10/15/25 08:00	North Carolina
752-38116-10	101425-Dup-SED	Solid	10/14/25 00:00	10/15/25 08:00	North Carolina
752-38116-11	Trip Blank	Water	10/14/25 00:00	10/15/25 08:00	North Carolina

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone (850) 474-1001 Phone (850) 478-2671

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Charlie Porter	Lab PM: Bechtold, Chad	Carrier Tracking No(s):	COC No: 680-170044-59851.1
Client Contact: Jerry Paul	Phone: (586) 337-7899	E-Mail: Chad.Bechtold@et.eurofinsus.com	State of Origin:	Page:
Company: S&ME Inc	PWSID:			Job #:
Address: 3201 Spring Forest Road	Due Date Requested:			
City: Raleigh	TAT Requested (days):			
State, Zip: NC, 27616	Compliance Project: Δ Yes Δ No			
Phone: 919-872-2660(Tel) 919-876-3958(Fax)	PO #: 23050630BK			
Email: jpaul@smeinc.com	WO #:			
Project Name: East End Park, Durham, NC	Project #: 68026680			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
N - None
PL - MeOH/NaHS04
A - HCL

752-38116 COC

Other:

NCDEQ EQuIS EDDs

Special Instructions/Note:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 - Ammonia as N	8270E - SVOCs, 8270E_SIM_ID_DS - 1,4-Dioxane	8260D - VOC NC 02L List	6020B_LL - PRLF 16 Metals; 7473 - Hg	9056A - Nitrate, 9056A - Sulfate	7199 - Hexavalent Chromium	8260D - VOC NC 02L List (Water - Trip Blank)	Total Number of containers
			Preservation Code:				N	N	PL	N	N	N	A	
SED-1	10/14/25	1210	G	S			X	X	X	X	X	X		
SED-2		1245	G	S			X	X	X	X	X	X		
SED-3		1315	G	S			X	X	X	X	X	X		
SED-4		1345	G	S			X	X	X	X	X	X		
SED-5		1415	G	S			X	X	X	X	X	X		
SED-6		1445	G	S			X	X	X	X	X	X		
SED-7		1535	G	S			X	X	X	X	X	X		
SED-8		1615	G	S			X	X	X	X	X	X		
SED-9		1645	G	S			X	X	X	X	X	X		
10/14/25-DUP-SED		—	G	S			X	X	X	X	X	X		
TRIP BLANK													X	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 10/14/25 21:30	Company	Received by:	Date/Time: 10/15/25 800	Company
Relinquished by:			Received by:	Date/Time:	Company
Relinquished by:			Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Initial Temperature: 2.4/1.9 °C
Correction Factor: -0.4°C
Corrected Temperature: 2.0/1.5 °C
Temp IR Gun: CRY-T-132
Initials: RY BR PG DW DO HH

Ver: 05/06/2025
10/28/2025

Eurofins Raleigh
104 Woodwinds Industrial Court Suite A
Cary, NC 27511
Phone: 919-467-3090

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Bechtold, Chad	Carrier Tracking No(s): N/A	COC No: 752-6952.1
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 #: 752-38116-1
Address: 3355 McLemore Drive, ,	Due Date Requested: 10/20/2025			
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 End Park, Durham, NC	Project #: 68026680			
Site: N/A	SSOW#: N/A			

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D/5035A_FPVOC NC 02L List	8260D/5035A_FMVOC NC 02L List	8270E_QQQ/3546SVOC TCL OLM4.2	8270E_SIM_ID_DS/35461,4-Dioxane	Moisture	350.1/DI_LEACHAmmonia as N	7199/3060A	8260D/5030CVOC NC 02L List	Total Number of containers	Special Instructions/Note:
			Preservation Code:													
SED-1 (752-38116-1)	10/14/25	12:10 Eastern	G	Solid			X	X	X	X	X	X	X		3	
SED-2 (752-38116-2)	10/14/25	12:45 Eastern	G	Solid			X	X	X	X	X	X	X		3	
SED-3 (752-38116-3)	10/14/25	13 15 Eastern	G	Solid			X	X	X	X	X	X	X		3	
SED-4 (752-38116-4)	10/14/25	13 45 Eastern	G	Solid			X	X	X	X	X	X	X		3	
SED-5 (752-38116-5)	10/14/25	14 15 Eastern	G	Solid			X	X	X	X	X	X	X		3	
SED-6 (752-38116-6)	10/14/25	14.45 Eastern	G	Solid			X	X	X	X	X	X	X		3	
SED-7 (752-38116-7)	10/14/25	15 35 Eastern	G	Solid			X	X	X	X	X	X	X		3	
SED-8 (752-38116-8)	10/14/25	16 15 Eastern	G	Solid			X	X	X	X	X	X	X		3	
SED-9 (752-38116-9)	10/14/25	16 45 Eastern	G	Solid			X	X	X	X	X	X	X		3	

Preservation Codes: - Other: N/A

Note: Since laboratory accreditations are subject to change Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank. 2	Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 10/16/25 945	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No..	Cooler Temperature(s) °C and Other Remarks: 3.3, 3.6, 2.6 IR

Ver 10/10/2024

Eurofins Raleigh
104 Woodwinds Industrial Court Suite A
Cary, NC 27511
Phone: 919-467-3090

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Bechtold, Chad	Carrier Tracking No(s): N/A	COC No: 752-6952.2
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 #: 752-38116-1
Address: 3355 McLemore Drive, ,	Due Date Requested: 10/20/2025			Preservation Codes: -
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 End Park, Durham, NC	Project #: 68026680			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D/5035A_FPVOC NC 02L List	8260D/5035A_FMVOC NC 02L List	8270E_QQQ/3546SVOC TCL OLM4.2	8270E_SIM_ID_D5/35461,4-Dioxane	Moisture	350.1/DI_LEACHAmmonia as N	7199/3060A	8260D/5030CVOC NC 02L List						Total Number of containers	Special Instructions/Note:
Preservation Code:																					
101425-Dup-SED (752-38116-10)	10/14/25	Eastern	G	Solid			X	X	X	X	X	X	X							8	
Trip Blank (752-38116-11)	10/14/25	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	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
DV	10-525-16'00				
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 10/16/25 945	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Raleigh
104 Woodwinds Industrial Court Suite A
Cary, NC 27511
Phone: 919-467-3090

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Bechtold, Chad	Carrier Tracking No(s): N/A	COC No: 752-6949.1
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 #: 752-38116-1
Address: 3080 Presidential Dr, ,	Due Date Requested: 10/24/2025			
City: Atlanta	TAT Requested (days): N/A			
State, Zip: GA, 30340				
Phone: 770-457-8177(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: East End Park, Durham, NC	Project #: 68026680			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B_LL/3050BPRLF 16 Metals, including prep	7473Mercury	9056A_ORGFM_28D/DI_LEACHSulfate	9056A_ORGFM_48H/DI_LEACHNitrate	Total Number of containers	Special Instructions/Note:
Preservation Code:												
SED-1 (752-38116-1)	10/14/25	12:10 Eastern	G	Solid			X	X	X	X	3	
SED-2 (752-38116-2)	10/14/25	12:45 Eastern	G	Solid			X	X	X	X	3	
SED-3 (752-38116-3)	10/14/25	13:15 Eastern	G	Solid			X	X	X	X	3	
SED-4 (752-38116-4)	10/14/25	13:45 Eastern	G	Solid			X	X	X	X	3	
SED-5 (752-38116-5)	10/14/25	14:15 Eastern	G	Solid			X	X	X	X	3	
SED-6 (752-38116-6)	10/14/25	14:45 Eastern	G	Solid			X	X	X	X	3	
SED-7 (752-38116-7)	10/14/25	15:35 Eastern	G	Solid			X	X	X	X	3	
SED-8 (752-38116-8)	10/14/25	16:15 Eastern	G	Solid			X	X	X	X	3	
SED-9 (752-38116-9)	10/14/25	16:45 Eastern	G	Solid			X	X	X	X	3	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	JW	10-15-25 16:00		R Taylor	10/16/25 940	
2						
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: .5 #2665

Eurofins Raleigh
104 Woodwinds Industrial Court Suite A
Cary, NC 27511
Phone: 919-467-3090

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Bechtold, Chad	Carrier Tracking No(s): N/A	COC No: 752-6949.2
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 #: 752-38116-1
Address: 3080 Presidential Dr, ,	Due Date Requested: 10/24/2025			Preservation Codes: -
City: Atlanta	TAT Requested (days): N/A			
State, Zip: GA, 30340				
Phone: 770-457-8177(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: East End Park, Durham, NC	Project #: 68026680			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B_LL/3050BPRLF 16 Metals, including prep	7473Mercury	9056A_ORGFM_28D/DI_LEACHSulfate	9056A_ORGFM_48H/DI_LEACHNitrate	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
101425-Dup-SED (752-38116-10)	10/14/25	Eastern	G	Solid			X	X	X	X	3	

Analysis Requested

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	DW	10-15-25 16:00		K Taylor	10/16/25 0940	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: .5 #2005

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: S&ME Inc

Job Number: 752-38116-1

Login Number: 38116
List Number: 1
Creator: Yonish, Rachel

List Source: Eurofins Raleigh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: S&ME Inc

Job Number: 752-38116-1

Login Number: 38116
List Number: 2
Creator: Taylor, Renee

List Source: Eurofins Atlanta
List Creation: 10/16/25 11:12 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
The cooler does 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 present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Sample custody seals, if present, are intact.	True	
Sample collection date/times are provided.	True	
The samples do not appear to have been compromised or tampered with.	True	
Containers are not broken or leaking.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Appropriate sample containers were rec'd and sufficient volume for all analyses.	True	
Samples are received within Holding Time (excluding tests with immediate HTs).	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Is there sufficient air space in bottle for bacteriological analysis.	True	

Login Sample Receipt Checklist

Client: S&ME Inc

Job Number: 752-38116-1

Login Number: 38116
List Number: 3
Creator: Bankston, Victoria K

List Source: Eurofins Pensacola
List Creation: 10/16/25 05:35 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.3°C 3.6°C 2.6°C IR11
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	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	

Appendix IV– NCDEQ Risk Calculator Package

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	LFGP-1 Risk Assessment
Submittal Date:	1/6/2026
Prepared By:	Madison Allen
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2D**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-1 Risk Assessment

Soil Gas Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

Note: Chemicals highlighted in orange are non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

Exposure Point Concentration (ug/m^3)	Notes:	CAS Number	Chemical	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening	Background Value	Screening Toxicity Value (Screening Level) (n/c)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion
9.4		127-18-4	Tetrachloroethylene			ug/m^3	LFGP-1									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

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	2.6E-08	6.8E-03	NO
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	2.0E-09	5.4E-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.

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-1 Risk Assessment

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
127-18-4	Tetrachloroethylene	9.4	0.282	1.1E+01	8.3E+00	2.6E-08	6.8E-03
					Cumulative:	2.6E-08	6.8E-03

DEQ Risk Calculator - Vapor Intrusion - Non-Residential Worker Soil Gas to Indoor Air **Output Form 3E**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-1 Risk Assessment

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
127-18-4	Tetrachloroethylene	9.4	0.094	4.7E+01	3.5E+01	2.0E-09	5.4E-04
					Cumulative:	2.0E-09	5.4E-04

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	LFGP-10 Risk Assessment
Submittal Date:	1/8/2026
Prepared By:	Macy Courtney
Reviewed By:	Tom Raymond

Exposure Point Concentrations

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-10 Risk Assessment

Soil Gas Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

Note: Chemicals highlighted in orange are non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

Exposure Point Concentration (ug/m^3)	Notes:	CAS Number	Chemical	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits
8.8		67-66-3	Chloroform			ug/m^3	LFGP-10		
53		76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-			ug/m^3	LFGP-10		

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-10 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	NC	NC	NC
	Surface Water*	NC	NC	NC

VAPOR INTRUSION CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	2.2E-06	1.3E-01	NO
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	1.7E-07	1.0E-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.

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-10 Risk Assessment

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-66-3	Chloroform	8.8	0.264	1.2E-01	4.1E-01	**2.2E-06**	1.3E-01
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	53	1.59	-	1.0E+03		3.0E-04
					Cumulative:	2.2E-06	1.3E-01

DEQ Risk Calculator - Vapor Intrusion - Non-Residential Worker Soil Gas to Indoor Air **Output Form 3E**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-10 Risk Assessment

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-66-3	Chloroform	8.8	0.088	5.3E-01	1.7E+00	1.7E-07	1.0E-02
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	53	0.53	-	4.4E+03		2.4E-05
					Cumulative:	1.7E-07	1.0E-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 End Park
Site Address:	1200 N. Alston Avenue, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	LFGP-2 Risk Assessment
Submittal Date:	1/7/2026
Prepared By:	Macy Courtney
Reviewed By:	Tom Raymond

Exposure Point Concentrations

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-2 Risk Assessment

Soil Gas Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

Note: Chemicals highlighted in orange are non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

Exposure Point Concentration (ug/m^3)	Notes:	CAS Number	Chemical	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits
1300		127-18-4	Tetrachloroethylene			ug/m^3	LFGP-2		
6		79-01-6	Trichloroethylene			ug/m^3	LFGP-2		

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-2 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	NC	NC	NC
	Surface Water*	NC	NC	NC

VAPOR INTRUSION CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	4.0E-06	1.0E+00	NO
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	3.0E-07	8.1E-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.

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-2 Risk Assessment

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
127-18-4	Tetrachloroethylene	1300	39	1.1E+01	8.3E+00	**3.6E-06**	**9.3E-01**
79-01-6	Trichloroethylene	6	0.18	4.8E-01	4.2E-01	3.8E-07	8.6E-02
					Cumulative:	4.0E-06	**1.0E+00**

DEQ Risk Calculator - Vapor Intrusion - Non-Residential Worker Soil Gas to Indoor Air **Output Form 3E**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-2 Risk Assessment

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
127-18-4	Tetrachloroethylene	1300	13	4.7E+01	3.5E+01	2.8E-07	7.4E-02
79-01-6	Trichloroethylene	6	0.06	3.0E+00	1.8E+00	2.0E-08	6.8E-03
					Cumulative:	3.0E-07	8.1E-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 End Park
Site Address:	1200 N. Alston Avenue, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	LFGP-3 Risk Assessment
Submittal Date:	1/7/2026
Prepared By:	Macy Courtney
Reviewed By:	Tom Raymond

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-3 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	NC	NC	NC
	Surface Water*	NC	NC	NC

VAPOR INTRUSION CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	2.2E-08	1.4E-02	NO
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	1.7E-09	1.1E-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.

Exposure Point Concentrations

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-3 Risk Assessment

Soil Gas Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

Note: Chemicals highlighted in orange are non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

Exposure Point Concentration (ug/m^3)	Notes:	CAS Number	Chemical	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits
120		142-82-5	Heptane, N-			ug/m^3	LFGP-3		
390		E5241997	Hexane, Commercial			ug/m^3	LFGP-3		
8		127-18-4	Tetrachloroethylene			ug/m^3	LFGP-3		

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-3 Risk Assessment

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
142-82-5	Heptane, N-	120	3.6	-	8.3E+01		8.6E-03
E5241997	Hexane, Commercial	390	11.7	1.4E+01	1.3E+02	8.3E-07	1.9E-02
127-18-4	Tetrachloroethylene	8	0.24	1.1E+01	8.3E+00	2.2E-08	5.8E-03
					Cumulative:	8.6E-07	3.3E-02

DEQ Risk Calculator - Vapor Intrusion - Non-Residential Worker Soil Gas to Indoor Air **Output Form 3E**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-3 Risk Assessment

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
142-82-5	Heptane, N-	120	1.2	-	3.5E+02		6.8E-04
E5241997	Hexane, Commercial	390	3.9	6.1E+01	5.3E+02	6.4E-08	1.5E-03
127-18-4	Tetrachloroethylene	8	0.08	4.7E+01	3.5E+01	1.7E-09	4.6E-04
					Cumulative:	6.5E-08	2.6E-03

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	LFGP-4 Risk Assessment
Submittal Date:	1/7/2026
Prepared By:	Macy Courtney
Reviewed By:	Tom Raymond

Exposure Point Concentrations

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-4 Risk Assessment

Soil Gas Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

Note: Chemicals highlighted in orange are non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

Exposure Point Concentration (ug/m^3)	Notes:	CAS Number	Chemical	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits
280		127-18-4	Tetrachloroethylene			ug/m^3	LFGP-4		

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-4 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	NC	NC	NC
	Surface Water*	NC	NC	NC

VAPOR INTRUSION CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	7.8E-07	2.0E-01	NO
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	5.9E-08	1.6E-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.

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-4 Risk Assessment

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
127-18-4	Tetrachloroethylene	280	8.4	1.1E+01	8.3E+00	7.8E-07	**2.0E-01**
					Cumulative:	7.8E-07	2.0E-01

DEQ Risk Calculator - Vapor Intrusion - Non-Residential Worker Soil Gas to Indoor Air **Output Form 3E**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-4 Risk Assessment

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
127-18-4	Tetrachloroethylene	280	2.8	4.7E+01	3.5E+01	5.9E-08	1.6E-02
					Cumulative:	5.9E-08	1.6E-02

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	LFGP-5 Risk Assessment
Submittal Date:	1/14/2026
Prepared By:	Macy Courtney
	Madison Allen
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2D**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-5 Risk Assessment

Soil Gas Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

Note: Chemicals highlighted in orange are non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

Exposure Point Concentration (ug/m^3)	Notes:	CAS Number	Chemical	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening	Background Value	Screening Toxicity Value (Screening Level) (n/c)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion
13		71-43-2	Benzene			ug/m^3	LFGP-5									
12		98-82-8	Cumene			ug/m^3	LFGP-5									
180		110-82-7	Cyclohexane			ug/m^3	LFGP-5									
9.3		100-41-4	Ethylbenzene			ug/m^3	LFGP-5									
45		142-82-5	Heptane, N-			ug/m^3	LFGP-5									
100		E5241997	Hexane, Commercial			ug/m^3	LFGP-5									
87		7783-06-4	Hydrogen Sulfide			ug/m^3	LFGP-5									
11		108-88-3	Toluene			ug/m^3	LFGP-5									
12		95-63-6	Trimethylbenzene, 1,2,4-			ug/m^3	LFGP-5									
14		108-67-8	Trimethylbenzene, 1,3,5-			ug/m^3	LFGP-5									
16	reported as m+p-Xylenes	108-38-3	Xylene, m-			ug/m^3	LFGP-5									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-5 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	NC	NC	NC
	Surface Water*	NC	NC	NC

VAPOR INTRUSION CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	1.5E-06	1.3E+00	YES
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	1.2E-07	1.0E-01	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.

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-5 Risk Assessment

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
71-43-2	Benzene	13	0.39	3.6E-01	6.3E+00	**1.1E-06**	1.2E-02
98-82-8	Cumene	12	0.36	-	8.3E+01		8.6E-04
110-82-7	Cyclohexane	180	5.4	-	1.3E+03		8.6E-04
100-41-4	Ethylbenzene	9.3	0.279	1.1E+00	2.1E+02	2.5E-07	2.7E-04
142-82-5	Heptane, N-	45	1.35	-	8.3E+01		3.2E-03
E5241997	Hexane, Commercial	100	3	1.4E+01	1.3E+02	2.1E-07	4.8E-03
7783-06-4	Hydrogen Sulfide	87	2.61	-	4.2E-01		**1.3E+00**
108-88-3	Toluene	11	0.33	-	1.0E+03		6.3E-05
95-63-6	Trimethylbenzene, 1,2,4-	12	0.36	-	1.3E+01		5.8E-03
108-67-8	Trimethylbenzene, 1,3,5-	14	0.42	-	1.3E+01		6.7E-03
108-38-3	Xylene, m-	16	0.48	-	2.1E+01		4.6E-03
					Cumulative:	1.5E-06	**1.3E+00**

DEQ Risk Calculator - Vapor Intrusion - Non-Residential Worker Soil Gas to Indoor Air **Output Form 3E**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-5 Risk Assessment

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
71-43-2	Benzene	13	0.13	1.6E+00	2.6E+01	8.3E-08	9.9E-04
98-82-8	Cumene	12	0.12	-	3.5E+02		6.8E-05
110-82-7	Cyclohexane	180	1.8	-	5.3E+03		6.8E-05
100-41-4	Ethylbenzene	9.3	0.093	4.9E+00	8.8E+02	1.9E-08	2.1E-05
142-82-5	Heptane, N-	45	0.45	-	3.5E+02		2.6E-04
E5241997	Hexane, Commercial	100	1	6.1E+01	5.3E+02	1.6E-08	3.8E-04
7783-06-4	Hydrogen Sulfide	87	0.87	-	1.8E+00		9.9E-02
108-88-3	Toluene	11	0.11	-	4.4E+03		5.0E-06
95-63-6	Trimethylbenzene, 1,2,4-	12	0.12	-	5.3E+01		4.6E-04
108-67-8	Trimethylbenzene, 1,3,5-	14	0.14	-	5.3E+01		5.3E-04
108-38-3	Xylene, m-	16	0.16	-	8.8E+01		3.7E-04
					Cumulative:	1.2E-07	1.0E-01

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	LFGP-6 Risk Assessment
Submittal Date:	1/8/2026
Prepared By:	Macy Courtney
Reviewed By:	Tom Raymond

Exposure Point Concentrations

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-6 Risk Assessment

Soil Gas Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

Note: Chemicals highlighted in orange are non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

Exposure Point Concentration (ug/m^3)	Notes:	CAS Number	Chemical	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits
90		76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-			ug/m^3	LFGP-6		

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-6 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	NC	NC	NC
	Surface Water*	NC	NC	NC

VAPOR INTRUSION CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	0.0E+00	5.2E-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	4.1E-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.

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-6 Risk Assessment

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	90	2.7	-	1.0E+03		5.2E-04
					Cumulative:	0.0E+00	5.2E-04

DEQ Risk Calculator - Vapor Intrusion - Non-Residential Worker Soil Gas to Indoor Air **Output Form 3E**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-6 Risk Assessment

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	90	0.9	-	4.4E+03		4.1E-05
					Cumulative:	0.0E+00	4.1E-05

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	LFGP-7 Risk Assessment
Submittal Date:	1/8/2026
Prepared By:	Macy Courtney
Reviewed By:	Tom Raymond

Exposure Point Concentrations

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-7 Risk Assessment

Soil Gas Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

Note: Chemicals highlighted in orange are non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

Exposure Point Concentration (ug/m^3)	Notes:	CAS Number	Chemical	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits
7.6		67-66-3	Chloroform			ug/m^3	LFGP-7		
7		127-18-4	Tetrachloroethylene			ug/m^3	LFGP-7		

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-7 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	NC	NC	NC
	Surface Water*	NC	NC	NC

VAPOR INTRUSION CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	1.9E-06	1.2E-01	NO
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	1.4E-07	9.3E-03	NO
	Indoor Air	NC	NC	NC

CONTAMINANT MIGRATION CALCULATORS

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

Notes:

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

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

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-7 Risk Assessment

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-66-3	Chloroform	7.6	0.228	1.2E-01	4.1E-01	**1.9E-06**	1.1E-01
127-18-4	Tetrachloroethylene	7	0.21	1.1E+01	8.3E+00	1.9E-08	5.0E-03
					Cumulative:	1.9E-06	1.2E-01

DEQ Risk Calculator - Vapor Intrusion - Non-Residential Worker Soil Gas to Indoor Air **Output Form 3E**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-7 Risk Assessment

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-66-3	Chloroform	7.6	0.076	5.3E-01	1.7E+00	1.4E-07	8.9E-03
127-18-4	Tetrachloroethylene	7	0.07	4.7E+01	3.5E+01	1.5E-09	4.0E-04
					Cumulative:	1.4E-07	9.3E-03

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	LFGP-8 Risk Assessment
Submittal Date:	1/8/2026
Prepared By:	Macy Courtney
Reviewed By:	Tom Raymond

Exposure Point Concentrations

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-8 Risk Assessment

Soil Gas Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

Note: Chemicals highlighted in orange are non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

Exposure Point Concentration (ug/m^3)	Notes:	CAS Number	Chemical	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits
15		71-43-2	Benzene			ug/m^3	LFGP-8		
7.3		110-82-7	Cyclohexane			ug/m^3	LFGP-8		
3.7		142-82-5	Heptane, N-			ug/m^3	LFGP-8		
10		E5241997	Hexane, Commercial			ug/m^3	LFGP-8		
16		76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-			ug/m^3	LFGP-8		

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-8 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	NC	NC	NC
	Surface Water*	NC	NC	NC

VAPOR INTRUSION CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	1.3E-06	1.5E-02	NO
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	9.5E-08	1.2E-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.

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-8 Risk Assessment

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
71-43-2	Benzene	15	0.45	3.6E-01	6.3E+00	**1.3E-06**	1.4E-02
110-82-7	Cyclohexane	7.3	0.219	-	1.3E+03		3.5E-05
142-82-5	Heptane, N-	3.7	0.111	-	8.3E+01		2.7E-04
E5241997	Hexane, Commercial	10	0.3	1.4E+01	1.3E+02	2.1E-08	4.8E-04
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	16	0.48	-	1.0E+03		9.2E-05
					Cumulative:	1.3E-06	1.5E-02

DEQ Risk Calculator - Vapor Intrusion - Non-Residential Worker Soil Gas to Indoor Air **Output Form 3E**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-8 Risk Assessment

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
71-43-2	Benzene	15	0.15	1.6E+00	2.6E+01	9.5E-08	1.1E-03
110-82-7	Cyclohexane	7.3	0.073	-	5.3E+03		2.8E-06
142-82-5	Heptane, N-	3.7	0.037	-	3.5E+02		2.1E-05
E5241997	Hexane, Commercial	10	0.1	6.1E+01	5.3E+02	1.6E-09	3.8E-05
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	16	0.16	-	4.4E+03		7.3E-06
					Cumulative:	9.7E-08	1.2E-03

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	LFGP-9 Risk Assessment
Submittal Date:	1/8/2026
Prepared By:	Macy Courtney
Reviewed By:	Tom Raymond

Exposure Point Concentrations

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

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
62		76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-			ug/m^3	LFGP-9		

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-9 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	NC	NC	NC
	Surface Water*	NC	NC	NC

VAPOR INTRUSION CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	0.0E+00	3.6E-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	2.8E-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.

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-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/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	62	1.86	-	1.0E+03		3.6E-04
					Cumulative:	0.0E+00	3.6E-04

DEQ Risk Calculator - Vapor Intrusion - Non-Residential Worker Soil Gas to Indoor Air **Output Form 3E**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-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/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	62	0.62	-	4.4E+03		2.8E-05
					Cumulative:	0.0E+00	2.8E-05

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	SW-1 and 101425-DUP-SW(SW-1) Risk Assessment
Submittal Date:	1/21/2026
Prepared By:	Madison Allen, Jennifer Petzold
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-1 and 101425-DUP-SW(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
238		7664-41-7	Ammonia			ug/L	SW-1									
2.74	J	7440-38-2	Arsenic, Inorganic			ug/L	101425-DUP-SW									
56.9		7440-39-3	Barium			ug/L	101425-DUP-SW									
122		7440-43-9	Cadmium (Diet)			ug/L	101425-DUP-SW									
1.04		67-66-3	Chloroform			ug/L	SW-1									
61.1		7440-48-4	Cobalt			ug/L	101425-DUP-SW									
2.44		7440-50-8	Copper			ug/L	SW-1									
2.72		7439-92-1	~Lead and Compounds			ug/L	SW-1									
6140		7439-96-5	Manganese (Non-diet)			ug/L	101425-DUP-SW									
0.182	J	7487-94-7	~Mercuric Chloride (and other Mercury salts)			ug/L	SW-1									
889		7440-02-0	Nickel Soluble Salts			ug/L	101425-DUP-SW									
91	J	14797-55-8	Nitrate (measured as nitrogen)			ug/L	SW-1									
5.97	J B	117-81-7	~Bis(2-ethylhexyl)phthalate			ug/L	SW-1									
9.18		7782-49-2	Selenium			ug/L	101425-DUP-SW									
4.25		7440-22-4	Silver			ug/L	101425-DUP-SW									
2.67	J B	7440-62-2	Vanadium and Compounds			ug/L	SW-1									
1000		7440-66-6	Zinc and Compounds			ug/L	101425-DUP-SW									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-1 and 101425-DUP-SW(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*	2.5E-06	8.3E+00	YES

VAPOR INTRUSION CALCULATORS

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

CONTAMINANT MIGRATION CALCULATORS

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

Notes:

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

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

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Surface Water **Output Form 2G**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-1 and 101425-DUP-SW(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	238	238						
7440-38-2	Arsenic, Inorganic	2.74	2.74	**2.2E-06**	2.2E-07	**2.4E-06**	3.6E-02	1.9E-03	3.8E-02
7440-39-3	Barium	56.9	56.9				1.1E-03	8.5E-04	2.0E-03
7440-43-9	Cadmium (Diet)	122	122				**4.8E+00**		**4.8E+00**
67-66-3	Chloroform	1.04	1.04	1.7E-08	1.7E-08	3.4E-08	4.1E-04	2.2E-04	6.3E-04
7440-48-4	Cobalt	61.1	61.1				**8.0E-01**	1.7E-02	**8.2E-01**
7440-50-8	Copper	2.44	2.44				2.4E-04	1.3E-05	2.5E-04
7439-92-1	~Lead and Compounds	2.72	2.72						
7439-96-5	Manganese (Non-diet)	6140	6140				**1.0E+00**	**1.3E+00**	**2.3E+00**
7487-94-7	~Mercuric Chloride (and other Mercury salts)	0.182	0.182				2.4E-03	1.8E-03	4.2E-03
7440-02-0	Nickel Soluble Salts	889	889				1.8E-01	4.7E-02	**2.2E-01**
14797-55-8	Nitrate (measured as nitrogen)	91	91				2.2E-04	1.2E-05	2.4E-04
117-81-7	~Bis(2-ethylhexyl)phthalate	5.97	5.97	4.4E-08		4.4E-08	1.2E-03		1.2E-03
7782-49-2	Selenium	9.18	9.18				7.2E-03	3.8E-04	7.6E-03
7440-22-4	Silver	4.25	4.25				3.4E-03	2.7E-03	6.0E-03
7440-62-2	Vanadium and Compounds	2.67	2.67				2.1E-03	4.3E-03	6.4E-03
7440-66-6	Zinc and Compounds	1000	1000				1.3E-02	4.2E-04	1.4E-02
					Cumulative:	2.5E-06			**8.3E+00**

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	SW-2 Risk Assessment
Submittal Date:	1/21/2026
Prepared By:	Madison Allen, Jennifer Petzold
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-2 Risk Assessment

Surface Water Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

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

Exposure Point Concentration (ug/L)	Notes:	CAS Number	Chemical	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening	Background Value	Screening Toxicity Value (Screening Level) (n/c)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion
69		7664-41-7	Ammonia			ug/L	SW-2									
41.3		7440-39-3	Barium			ug/L	SW-2									
1.89	J	7440-50-8	Copper			ug/L	SW-2									
1.78		7439-92-1	~Lead and Compounds			ug/L	SW-2									
183		7439-96-5	Manganese (Non-diet)			ug/L	SW-2									
0.255		7487-94-7	~Mercuric Chloride (and other Mercury salts)			ug/L	SW-2									
0.909	J	7440-02-0	Nickel Soluble Salts			ug/L	SW-2									
5.46	J B	117-81-7	~Bis(2-ethylhexyl)phthalate			ug/L	SW-2									
2.37	J B	7440-62-2	Vanadium and Compounds			ug/L	SW-2									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-2 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	NC	NC	NC
	Surface Water*	4.1E-08	8.4E-02	NO

VAPOR INTRUSION CALCULATORS

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

CONTAMINANT MIGRATION CALCULATORS

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

Notes:

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

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

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Surface Water **Output Form 2G**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-2 Risk Assessment

Receptor Type:

CAS #	Chemical Name:	Ingestion Concentration (ug/L)	Dermal Concentration (ug/L)	Ingestion Carcinogenic Risk	Dermal Contact Carcinogenic Risk	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Contact Hazard Quotient	Calculated Non-Carcinogenic Hazard Quotient
7664-41-7	Ammonia	69	69						
7440-39-3	Barium	41.3	41.3				8.1E-04	6.2E-04	1.4E-03
7440-50-8	Copper	1.89	1.89				1.9E-04	9.9E-06	2.0E-04
7439-92-1	~Lead and Compounds	1.78	1.78						
7439-96-5	Manganese (Non-diet)	183	183				3.0E-02	4.0E-02	7.0E-02
7487-94-7	~Mercuric Chloride (and other Mercury salts)	0.255	0.255				3.4E-03	2.5E-03	5.9E-03
7440-02-0	Nickel Soluble Salts	0.909	0.909				1.8E-04	4.8E-05	2.3E-04
117-81-7	~Bis(2-ethylhexyl)phthalate	5.46	5.46	4.1E-08		4.1E-08	1.1E-03		1.1E-03
7440-62-2	Vanadium and Compounds	2.37	2.37				1.9E-03	3.8E-03	5.6E-03
					Cumulative:	4.1E-08			8.4E-02

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	SW-3 Risk Assessment
Submittal Date:	1/21/2026
Prepared By:	Madison Allen, Jennifer Petzold
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-3 Risk Assessment

Surface Water Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

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

Exposure Point Concentration (ug/L)	Notes:	CAS Number	Chemical	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening	Background Value	Screening Toxicity Value (Screening Level) (n/c)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion
55		7664-41-7	Ammonia			ug/L	SW-3									
42.1		7440-39-3	Barium			ug/L	SW-3									
2.14		7440-50-8	Copper			ug/L	SW-3									
1.8		7439-92-1	~Lead and Compounds			ug/L	SW-3									
257		7439-96-5	Manganese (Non-diet)			ug/L	SW-3									
0.169	J	7487-94-7	~Mercuric Chloride (and other Mercury salts)			ug/L	SW-3									
1.05		7440-02-0	Nickel Soluble Salts			ug/L	SW-3									
5.44	J B	117-81-7	~Bis(2-ethylhexyl)phthalate			ug/L	SW-3									
1.35		108-88-3	Toluene			ug/L	SW-3									
2.47	J B	7440-62-2	Vanadium and Compounds			ug/L	SW-3									
11.3		7440-66-6	Zinc and Compounds			ug/L	SW-3									

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Surface Water **Output Form 2G**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-3 Risk Assessment

Receptor Type:

CAS #	Chemical Name:	Ingestion Concentration (ug/L)	Dermal Concentration (ug/L)	Ingestion Carcinogenic Risk	Dermal Contact Carcinogenic Risk	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Contact Hazard Quotient	Calculated Non-Carcinogenic Hazard Quotient
7664-41-7	Ammonia	55	55						
7440-39-3	Barium	42.1	42.1				8.3E-04	6.3E-04	1.5E-03
7440-50-8	Copper	2.14	2.14				2.1E-04	1.1E-05	2.2E-04
7439-92-1	~Lead and Compounds	1.8	1.8						
7439-96-5	Manganese (Non-diet)	257	257				4.2E-02	5.6E-02	9.8E-02
7487-94-7	~Mercuric Chloride (and other Mercury salts)	0.169	0.169				2.2E-03	1.7E-03	3.9E-03
7440-02-0	Nickel Soluble Salts	1.05	1.05				2.1E-04	5.5E-05	2.6E-04
117-81-7	~Bis(2-ethylhexyl)phthalate	5.44	5.44	4.1E-08		4.1E-08	1.1E-03		1.1E-03
108-88-3	Toluene	1.35	1.35				6.7E-05	1.4E-04	2.1E-04
7440-62-2	Vanadium and Compounds	2.47	2.47				1.9E-03	3.9E-03	5.9E-03
7440-66-6	Zinc and Compounds	11.3	11.3				1.5E-04	4.7E-06	1.5E-04
					Cumulative:	4.1E-08			1.1E-01

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-3 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	NC	NC	NC
	Surface Water*	4.1E-08	1.1E-01	NO

VAPOR INTRUSION CALCULATORS

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

CONTAMINANT MIGRATION CALCULATORS

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

Notes:

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

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

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	SW-4 Risk Assessment
Submittal Date:	1/21/2026
Prepared By:	Madison Allen, Jennifer Petzold
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-4 Risk Assessment

Surface Water Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

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

Exposure Point Concentration (ug/L)	Notes:	CAS Number	Chemical	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening	Background Value	Screening Toxicity Value (Screening Level) (n/c)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion
35.3		7440-39-3	Barium			ug/L	SW-4									
2.48		7440-50-8	Copper			ug/L	SW-4									
143		7439-96-5	Manganese (Non-diet)			ug/L	SW-4									
1.26	J	7440-02-0	Nickel Soluble Salts			ug/L	SW-4									
96	J	14797-55-8	Nitrate (measured as nitrogen)			ug/L	SW-4									
5.24	J B	117-81-7	~Bis(2-ethylhexyl)phthalate			ug/L	SW-4									
2.33	J B	7440-62-2	Vanadium and Compounds			ug/L	SW-4									

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Surface Water **Output Form 2G**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-4 Risk Assessment

Receptor Type:

CAS #	Chemical Name:	Ingestion Concentration (ug/L)	Dermal Concentration (ug/L)	Ingestion Carcinogenic Risk	Dermal Contact Carcinogenic Risk	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Contact Hazard Quotient	Calculated Non-Carcinogenic Hazard Quotient
7440-39-3	Barium	35.3	35.3				7.0E-04	5.3E-04	1.2E-03
7440-50-8	Copper	2.48	2.48				2.4E-04	1.3E-05	2.6E-04
7439-96-5	Manganese (Non-diet)	143	143				2.4E-02	3.1E-02	5.5E-02
7440-02-0	Nickel Soluble Salts	1.26	1.26				2.5E-04	6.6E-05	3.1E-04
14797-55-8	Nitrate (measured as nitrogen)	96	96				2.4E-04	1.3E-05	2.5E-04
117-81-7	~Bis(2-ethylhexyl)phthalate	5.24	5.24	3.9E-08		3.9E-08	1.0E-03		1.0E-03
7440-62-2	Vanadium and Compounds	2.33	2.33				1.8E-03	3.7E-03	5.5E-03
					Cumulative:	3.9E-08			6.3E-02

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-4 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	NC	NC	NC
	Surface Water*	3.9E-08	6.3E-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.

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	SW-5 Risk Assessment
Submittal Date:	1/21/2026
Prepared By:	Madison Allen, Jennifer Petzold
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-5 Risk Assessment

Surface Water Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

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

Exposure Point Concentration (ug/L)	Notes:	CAS Number	Chemical	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening	Background Value	Screening Toxicity Value (Screening Level) (n/c)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion
39.3		7440-39-3	Barium			ug/L	SW-5									
2.98		7440-50-8	Copper			ug/L	SW-5									
0.599	J	156-59-2	Dichloroethylene, cis-1,2-			ug/L	SW-5									
2.42		7439-92-1	~Lead and Compounds			ug/L	SW-5									
100		7439-96-5	Manganese (Non-diet)			ug/L	SW-5									
1.24	J	7440-02-0	Nickel Soluble Salts			ug/L	SW-5									
5.52	J B	117-81-7	~Bis(2-ethylhexyl)phthalate			ug/L	SW-5									
1.19		76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-			ug/L	SW-5									
0.224	J	71-55-6	Trichloroethane, 1,1,1-			ug/L	SW-5									
2.92	J B	7440-62-2	Vanadium and Compounds			ug/L	SW-5									
10.5		7440-66-6	Zinc and Compounds			ug/L	SW-5									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-5 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	NC	NC	NC
	Surface Water*	4.1E-08	5.1E-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.

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Surface Water **Output Form 2G**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-5 Risk Assessment

Receptor Type:

CAS #	Chemical Name:	Ingestion Concentration (ug/L)	Dermal Concentration (ug/L)	Ingestion Carcinogenic Risk	Dermal Contact Carcinogenic Risk	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Contact Hazard Quotient	Calculated Non-Carcinogenic Hazard Quotient
7440-39-3	Barium	39.3	39.3				7.8E-04	5.9E-04	1.4E-03
7440-50-8	Copper	2.98	2.98				2.9E-04	1.6E-05	3.1E-04
156-59-2	Dichloroethylene, cis-1,2-	0.599	0.599				1.2E-03	9.3E-04	2.1E-03
7439-92-1	~Lead and Compounds	2.42	2.42						
7439-96-5	Manganese (Non-diet)	100	100				1.6E-02	2.2E-02	3.8E-02
7440-02-0	Nickel Soluble Salts	1.24	1.24				2.4E-04	6.5E-05	3.1E-04
117-81-7	~Bis(2-ethylhexyl)phthalate	5.52	5.52	4.1E-08		4.1E-08	1.1E-03		1.1E-03
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	1.19	1.19				1.6E-07	3.1E-07	4.6E-07
71-55-6	Trichloroethane, 1,1,1-	0.224	0.224				4.4E-07	4.6E-07	9.0E-07
7440-62-2	Vanadium and Compounds	2.92	2.92				2.3E-03	4.7E-03	6.9E-03
7440-66-6	Zinc and Compounds	10.5	10.5				1.4E-04	4.4E-06	1.4E-04
					Cumulative:	4.1E-08			5.1E-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 End Park
Site Address:	1200 N. Alston Avenue, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	SW-6 Risk Assessment
Submittal Date:	1/21/2026
Prepared By:	Madison Allen, Jennifer Petzold
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-6 Risk Assessment

Surface Water Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

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

Exposure Point Concentration (ug/L)	Notes:	CAS Number	Chemical	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening	Background Value	Screening Toxicity Value (Screening Level) (n/c)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion
37		7440-39-3	Barium			ug/L	SW-6									
2.39		7440-50-8	Copper			ug/L	SW-6									
0.711	J	156-59-2	Dichloroethylene, cis-1,2-			ug/L	SW-6									
0.361		123-91-1	Dioxane, 1,4-			ug/L	SW-6									
134		7439-96-5	Manganese (Non-diet)			ug/L	SW-6									
1.24	J	7440-02-0	Nickel Soluble Salts			ug/L	SW-6									
14200		14797-55-8	Nitrate (measured as nitrogen)			ug/L	SW-6									
5.17	J B	117-81-7	~Bis(2-ethylhexyl)phthalate			ug/L	SW-6									
1.45		76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-			ug/L	SW-6									
2.52	J B	7440-62-2	Vanadium and Compounds			ug/L	SW-6									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-6 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	NC	NC	NC
	Surface Water*	5.9E-08	1.0E-01	NO

VAPOR INTRUSION CALCULATORS

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

CONTAMINANT MIGRATION CALCULATORS

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

Notes:

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

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

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Surface Water **Output Form 2G**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-6 Risk Assessment

Receptor Type:

CAS #	Chemical Name:	Ingestion Concentration (ug/L)	Dermal Concentration (ug/L)	Ingestion Carcinogenic Risk	Dermal Contact Carcinogenic Risk	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Contact Hazard Quotient	Calculated Non-Carcinogenic Hazard Quotient
7440-39-3	Barium	37	37				7.3E-04	5.5E-04	1.3E-03
7440-50-8	Copper	2.39	2.39				2.4E-04	1.3E-05	2.5E-04
156-59-2	Dichloroethylene, cis-1,2-	0.711	0.711				1.4E-03	1.1E-03	2.5E-03
123-91-1	Dioxane, 1,4-	0.361	0.361	1.9E-08	8.4E-10	2.0E-08	4.7E-05	1.1E-06	4.9E-05
7439-96-5	Manganese (Non-diet)	134	134				2.2E-02	2.9E-02	5.1E-02
7440-02-0	Nickel Soluble Salts	1.24	1.24				2.4E-04	6.5E-05	3.1E-04
14797-55-8	Nitrate (measured as nitrogen)	14200	14200				3.5E-02	1.9E-03	3.7E-02
117-81-7	~Bis(2-ethylhexyl)phthalate	5.17	5.17	3.8E-08		3.8E-08	1.0E-03		1.0E-03
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	1.45	1.45				1.9E-07	3.8E-07	5.7E-07
7440-62-2	Vanadium and Compounds	2.52	2.52				2.0E-03	4.0E-03	6.0E-03
					Cumulative:	5.9E-08			1.0E-01

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	SW-7 Risk Assessment
Submittal Date:	1/21/2026
Prepared By:	Madison Allen, Jennifer Petzold
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-7 Risk Assessment

Surface Water Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

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

Exposure Point Concentration (ug/L)	Notes:	CAS Number	Chemical	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening	Background Value	Screening Toxicity Value (Screening Level) (n/c)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion
37.6		7440-39-3	Barium			ug/L	SW-7									
2.57		7440-50-8	Copper			ug/L	SW-7									
0.741	J	156-59-2	Dichloroethylene, cis-1,2-			ug/L	SW-7									
165		7439-96-5	Manganese (Non-diet)			ug/L	SW-7									
0.985	J	7440-02-0	Nickel Soluble Salts			ug/L	SW-7									
113		14797-55-8	Nitrate (measured as nitrogen)			ug/L	SW-7									
5.74	J B	117-81-7	~Bis(2-ethylhexyl)phthalate			ug/L	SW-7									
1.93		76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-			ug/L	SW-7									
0.287	J	71-55-6	Trichloroethane, 1,1,1-			ug/L	SW-7									
2.54	J B	7440-62-2	Vanadium and Compounds			ug/L	SW-7									
13.3		7440-66-6	Zinc and Compounds			ug/L	SW-7									

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Surface Water **Output Form 2G**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-7 Risk Assessment

Receptor Type:

CAS #	Chemical Name:	Ingestion Concentration (ug/L)	Dermal Concentration (ug/L)	Ingestion Carcinogenic Risk	Dermal Contact Carcinogenic Risk	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Contact Hazard Quotient	Calculated Non-Carcinogenic Hazard Quotient
7440-39-3	Barium	37.6	37.6				7.4E-04	5.6E-04	1.3E-03
7440-50-8	Copper	2.57	2.57				2.5E-04	1.3E-05	2.7E-04
156-59-2	Dichloroethylene, cis-1,2-	0.741	0.741				1.5E-03	1.1E-03	2.6E-03
7439-96-5	Manganese (Non-diet)	165	165				2.7E-02	3.6E-02	6.3E-02
7440-02-0	Nickel Soluble Salts	0.985	0.985				1.9E-04	5.2E-05	2.5E-04
14797-55-8	Nitrate (measured as nitrogen)	113	113				2.8E-04	1.5E-05	2.9E-04
117-81-7	~Bis(2-ethylhexyl)phthalate	5.74	5.74	4.3E-08		4.3E-08	1.1E-03		1.1E-03
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	1.93	1.93				2.5E-07	5.0E-07	7.5E-07
71-55-6	Trichloroethane, 1,1,1-	0.287	0.287				5.7E-07	5.9E-07	1.2E-06
7440-62-2	Vanadium and Compounds	2.54	2.54				2.0E-03	4.1E-03	6.0E-03
					Cumulative:	4.3E-08			7.5E-02

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-7 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	NC	NC	NC
	Surface Water*	4.3E-08	7.5E-02	NO

VAPOR INTRUSION CALCULATORS

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

CONTAMINANT MIGRATION CALCULATORS

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

Notes:

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

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

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	SW-8 Risk Assessment
Submittal Date:	1/21/2026
Prepared By:	Madison Allen, Jennifer Petzold
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-8 Risk Assessment

Surface Water Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

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

Exposure Point Concentration (ug/L)	Notes:	CAS Number	Chemical	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening	Background Value	Screening Toxicity Value (Screening Level) (n/c)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion
54		7664-41-7	Ammonia			ug/L										
36.2		7440-39-3	Barium			ug/L	SW-8									
2.42		7440-50-8	Copper			ug/L	SW-8									
0.923	J	156-59-2	Dichloroethylene, cis-1,2-			ug/L	SW-8									
124		7439-96-5	Manganese (Non-diet)			ug/L	SW-8									
1.09	J	7440-02-0	Nickel Soluble Salts			ug/L	SW-8									
5.39	J B	117-81-7	~Bis(2-ethylhexyl)phthalate			ug/L	SW-8									
2.25		76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-			ug/L	SW-8									
0.369	J	71-55-6	Trichloroethane, 1,1,1-			ug/L	SW-8									
2.32	J B	7440-62-2	Vanadium and Compounds			ug/L	SW-8									

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Surface Water **Output Form 2G**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-8 Risk Assessment

Receptor Type:

CAS #	Chemical Name:	Ingestion Concentration (ug/L)	Dermal Concentration (ug/L)	Ingestion Carcinogenic Risk	Dermal Contact Carcinogenic Risk	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Contact Hazard Quotient	Calculated Non-Carcinogenic Hazard Quotient
7664-41-7	Ammonia	54	54						
7440-39-3	Barium	36.2	36.2				7.1E-04	5.4E-04	1.3E-03
7440-50-8	Copper	2.42	2.42				2.4E-04	1.3E-05	2.5E-04
156-59-2	Dichloroethylene, cis-1,2-	0.923	0.923				1.8E-03	1.4E-03	3.2E-03
7439-96-5	Manganese (Non-diet)	124	124				2.0E-02	2.7E-02	4.7E-02
7440-02-0	Nickel Soluble Salts	1.09	1.09				2.2E-04	5.7E-05	2.7E-04
117-81-7	~Bis(2-ethylhexyl)phthalate	5.39	5.39	4.0E-08		4.0E-08	1.1E-03		1.1E-03
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	2.25	2.25				3.0E-07	5.8E-07	8.8E-07
71-55-6	Trichloroethane, 1,1,1-	0.369	0.369				7.3E-07	7.6E-07	1.5E-06
7440-62-2	Vanadium and Compounds	2.32	2.32				1.8E-03	3.7E-03	5.5E-03
					Cumulative:	4.0E-08			5.9E-02

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-8 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	NC	NC	NC
	Surface Water*	4.0E-08	5.9E-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.

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	SW-9 Risk Assessment
Submittal Date:	1/21/2026
Prepared By:	Madison Allen, Jennifer Petzold
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-9 Risk Assessment

Surface Water Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

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

Exposure Point Concentration (ug/L)	Notes:	CAS Number	Chemical	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening	Background Value	Screening Toxicity Value (Screening Level) (n/c)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion
35.9		7440-39-3	Barium			ug/L	SW-9									
3.08		7440-50-8	Copper			ug/L	SW-9									
1.06		156-59-2	Dichloroethylene, cis-1,2-			ug/L	SW-9									
87.2		7439-96-5	Manganese (Non-diet)			ug/L	SW-9									
1.01	J	7440-02-0	Nickel Soluble Salts			ug/L	SW-9									
5.02	J B	117-81-7	~Bis(2-ethylhexyl)phthalate			ug/L	SW-9									
2.74		76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-			ug/L	SW-9									
0.329	J	71-55-6	Trichloroethane, 1,1,1-			ug/L	SW-9									
2.46	J B	7440-62-2	Vanadium and Compounds			ug/L	SW-9									
0.593	J	75-01-4	Vinyl Chloride			ug/L	SW-9									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-9 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	NC	NC	NC
	Surface Water*	1.1E-05	4.7E-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.

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Surface Water **Output Form 2G**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-9 Risk Assessment

Receptor Type:

CAS #	Chemical Name:	Ingestion Concentration (ug/L)	Dermal Concentration (ug/L)	Ingestion Carcinogenic Risk	Dermal Contact Carcinogenic Risk	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Contact Hazard Quotient	Calculated Non-Carcinogenic Hazard Quotient
7440-39-3	Barium	35.9	35.9				7.1E-04	5.4E-04	1.2E-03
7440-50-8	Copper	3.08	3.08				3.0E-04	1.6E-05	3.2E-04
156-59-2	Dichloroethylene, cis-1,2-	1.06	1.06				2.1E-03	1.6E-03	3.7E-03
7439-96-5	Manganese (Non-diet)	87.2	87.2				1.4E-02	1.9E-02	3.3E-02
7440-02-0	Nickel Soluble Salts	1.01	1.01				2.0E-04	5.3E-05	2.5E-04
117-81-7	~Bis(2-ethylhexyl)phthalate	5.02	5.02	3.7E-08		3.7E-08	9.9E-04		9.9E-04
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	2.74	2.74				3.6E-07	7.1E-07	1.1E-06
71-55-6	Trichloroethane, 1,1,1-	0.329	0.329				6.5E-07	6.8E-07	1.3E-06
7440-62-2	Vanadium and Compounds	2.46	2.46				1.9E-03	3.9E-03	5.9E-03
75-01-4	Vinyl Chloride	0.593	0.593	**7.1E-06**	**3.9E-06**	**1.1E-05**	7.8E-04	4.2E-04	1.2E-03
					Cumulative:	1.1E-05			4.7E-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 End Park
Site Address:	1200 N. Alston Avenue, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	SED-1 Risk Assessment
Submittal Date:	1/9/2026
Prepared By:	Madison Allen
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2A**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-1 Risk Assessment

Soil Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

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

Exposure Point Concentration (mg/kg)	Notes:	CAS Number	Chemical **For the chemicals highlighted in blue, data entry notes are provided in the PSRG Table link on the Main Menu**	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening	Background Value	Screening Toxicity Value (Screening Level) (n/c)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion
0.0248		67-64-1	Acetone			mg/kg	SED-DUP									
0.985		7440-38-2	Arsenic, Inorganic			mg/kg	SED-DUP									
19.4		7440-39-3	Barium			mg/kg	SED-DUP									
0.156	J	7440-41-7	Beryllium and compounds			mg/kg	SED-DUP									
0.118	J B	7440-43-9	Cadmium (Diet)			mg/kg	SED-DUP									
0.00409	J	75-15-0	Carbon Disulfide			mg/kg	SED-1									
5.43		16065-83-1	Chromium(III), Insoluble Salts			mg/kg	SED-DUP									
3.68		7440-48-4	Cobalt			mg/kg	SED-DUP									
14.9	B	7440-50-8	Copper			mg/kg	SED-DUP									
23.5	B	7439-92-1	~Lead and Compounds			mg/kg	SED-DUP									
97.1		7439-96-5	Manganese (Non-diet)			mg/kg	SED-DUP									
11.7		7440-02-0	Nickel Soluble Salts			mg/kg	SED-DUP									
7.21		14797-55-8	Nitrate (measured as nitrogen)			mg/kg	SED-1									
0.693	J B	117-81-7	~Bis(2-ethylhexyl)phthalate			mg/kg	SED-1									
0.114		120-12-7	~Anthracene			mg/kg	SED-1									
0.853		56-55-3	~Benz[a]anthracene			mg/kg	SED-1									
0.895		50-32-8	~Benzo[a]pyrene			mg/kg	SED-1									
1.42		205-99-2	~Benzo[b]fluoranthene			mg/kg	SED-1									
0.4	J	207-08-9	~Benzo[k]fluoranthene			mg/kg	SED-1									
0.962		218-01-9	~Chrysene			mg/kg	SED-1									
0.15	J	53-70-3	~Dibenz[a,h]anthracene			mg/kg	SED-1									
2.13		206-44-0	~Fluoranthene			mg/kg	SED-1									
0.716		193-39-5	~Indeno[1,2,3-cd]pyrene			mg/kg	SED-1									
1.75		129-00-0	~Pyrene			mg/kg	SED-1									
0.405	J	7782-49-2	Selenium			mg/kg	SED-1									
0.0101	J B	7440-22-4	Silver			mg/kg	SED-DUP									
0.0379	J B	7440-28-0	Thallium (Soluble Salts)			mg/kg	SED-DUP									
10.3		7440-62-2	Vanadium and Compounds			mg/kg	SED-DUP									
50.9		7440-66-6	Zinc and Compounds			mg/kg	SED-DUP									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-1 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	1.3E-05	4.0E-01	NO
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	9.7E-07	2.8E-02	NO
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	5.7E-06	1.7E-01	NO
	Surface Water*	NC	NC	NC

VAPOR INTRUSION CALCULATORS

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

CONTAMINANT MIGRATION CALCULATORS

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

Notes:

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

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

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-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	0.0248	0.0248	0.0248					3.5E-07			3.5E-07
7440-38-2	Arsenic, Inorganic	0.985	0.985	0.985	**1.3E-06**	1.8E-07	2.5E-11	1.5E-06	2.5E-02	3.0E-03	1.1E-06	2.8E-02
7440-39-3	Barium	19.4	19.4	19.4					1.2E-03		6.3E-07	1.2E-03
7440-41-7	Beryllium and compounds	0.156	0.156	0.156			2.2E-12	2.2E-12	1.0E-03		1.3E-07	1.0E-03
7440-43-9	Cadmium (Diet)	0.118	0.118	0.118			1.3E-12	1.3E-12	1.5E-02	1.4E-03	1.9E-07	1.7E-02
75-15-0	Carbon Disulfide	0.00409	0.00409	0.00409					5.2E-07		1.8E-06	2.3E-06
16065-83-1	Chromium(III), Insoluble Salts	5.43	5.43	5.43					4.6E-05			4.6E-05
7440-48-4	Cobalt	3.68	3.68	3.68			2.0E-10	2.0E-10	1.6E-01		9.9E-06	1.6E-01
7440-50-8	Copper	14.9	14.9	14.9					4.8E-03			4.8E-03
7439-92-1	~Lead and Compounds	23.5	23.5	23.5					**<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	11.7	11.7	11.7			1.8E-11	1.8E-11	7.5E-03		1.9E-05	7.5E-03
14797-55-8	Nitrate (measured as nitrogen)	7.21	7.21	7.21					5.8E-05			5.8E-05
117-81-7	~Bis(2-ethylhexyl)phthalate	0.693	0.693	0.693	1.4E-08	3.9E-09	1.0E-14	1.8E-08	4.4E-04	1.1E-04		5.5E-04
120-12-7	~Anthracene	0.114	0.114	0.114					4.9E-06	1.5E-06		6.4E-06
56-55-3	~Benz[a]anthracene	0.853	0.853	0.853	5.6E-07	1.9E-07	1.1E-08	7.5E-07				
50-32-8	~Benzo[a]pyrene	0.895	0.895	0.895	**5.8E-06**	**2.0E-06**	8.9E-12	7.8E-06	3.8E-02	1.2E-02	7.2E-06	5.0E-02
205-99-2	~Benzo[b]fluoranthene	1.42	1.42	1.42	9.3E-07	3.1E-07	1.4E-12	1.2E-06				
207-08-9	~Benzo[k]fluoranthene	0.4	0.4	0.4	2.6E-08	8.7E-09	4.0E-14	3.5E-08				
218-01-9	~Chrysene	0.962	0.962	0.962	6.3E-09	2.1E-09	9.6E-15	8.4E-09				
53-70-3	~Dibenz[a,h]anthracene	0.15	0.15	0.15	9.8E-07	3.3E-07	1.5E-12	1.3E-06				
206-44-0	~Fluoranthene	2.13	2.13	2.13					6.8E-04	2.1E-04		8.9E-04
193-39-5	~Indeno[1,2,3-cd]pyrene	0.716	0.716	0.716	4.7E-07	1.6E-07	7.1E-13	6.2E-07				
129-00-0	~Pyrene	1.75	1.75	1.75					7.5E-04	2.3E-04		9.8E-04
7782-49-2	Selenium	0.405	0.405	0.405					1.0E-03		3.3E-10	1.0E-03
7440-22-4	Silver	0.0101	0.0101	0.0101					2.6E-05			2.6E-05
7440-28-0	Thallium (Soluble Salts)	0.0379	0.0379	0.0379					4.8E-02			4.8E-02
7440-62-2	Vanadium and Compounds	10.3	10.3	10.3					2.6E-02		1.7E-06	2.6E-02
7440-66-6	Zinc and Compounds	50.9	50.9	50.9					2.2E-03			2.2E-03
						Cumulative:		1.3E-05				4.0E-01

DEQ Risk Calculator - Direct Contact - Non-Residential Worker Soil **Output Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-1 Risk Assessment

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

*** - Note that the EPA has no consensus on reference dose or cancer slope factor values for lead, therefore it is not possible to calculate cancer risk or hazard quotient. Lead concentrations are compared to the EPA screening level of 800 mg/kg for commercial/industrial soil.*

CAS #	Chemical Name:	Ingestion Concentration (mg/kg)	Dermal Concentration (mg/kg)	Inhalation Concentration (mg/kg)*	Ingestion Carcinogenic Risk	Dermal Carcinogenic Risk	Inhalation Carcinogenic Risk	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Hazard Quotient	Inhalation Hazard Quotient	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	0.0248	0.0248	0.0248					2.4E-08			2.4E-08
7440-38-2	Arsenic, Inorganic	0.985	0.985	0.985	2.7E-07	5.7E-08	5.8E-12	3.3E-07	1.7E-03	3.6E-04	2.5E-07	2.0E-03
7440-39-3	Barium	19.4	19.4	19.4					8.3E-05		1.5E-07	8.3E-05
7440-41-7	Beryllium and compounds	0.156	0.156	0.156			5.1E-13	5.1E-13	6.7E-05		3.0E-08	6.7E-05
7440-43-9	Cadmium (Diet)	0.118	0.118	0.118			2.9E-13	2.9E-13	1.0E-03	1.7E-04	4.5E-08	1.2E-03
75-15-0	Carbon Disulfide	0.00409	0.00409	0.00409					3.5E-08		4.2E-07	4.6E-07
16065-83-1	Chromium(III), Insoluble Salts	5.43	5.43	5.43					3.1E-06			3.1E-06
7440-48-4	Cobalt	3.68	3.68	3.68			4.6E-11	4.6E-11	1.1E-02		2.4E-06	1.1E-02
7440-50-8	Copper	14.9	14.9	14.9					3.2E-04			3.2E-04
7439-92-1	~Lead and Compounds	23.5	23.5	23.5					**<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	11.7	11.7	11.7			4.2E-12	4.2E-12	5.0E-04		4.5E-06	5.1E-04
14797-55-8	Nitrate (measured as nitrogen)	7.21	7.21	7.21					3.9E-06			3.9E-06
117-81-7	~Bis(2-ethylhexyl)phthalate	0.693	0.693	0.693	3.0E-09	1.3E-09	2.3E-15	4.2E-09	3.0E-05	1.3E-05		4.2E-05
120-12-7	~Anthracene	0.114	0.114	0.114					3.3E-07	1.8E-07		5.0E-07
56-55-3	~Benz[a]anthracene	0.853	0.853	0.853	2.6E-08	1.4E-08	8.9E-10	4.1E-08				
50-32-8	~Benzo[a]pyrene	0.895	0.895	0.895	2.7E-07	1.5E-07	7.4E-13	4.2E-07	2.6E-03	1.4E-03	1.7E-06	4.0E-03
205-99-2	~Benzo[b]fluoranthene	1.42	1.42	1.42	4.3E-08	2.4E-08	1.2E-13	6.7E-08				
207-08-9	~Benzo[k]fluoranthene	0.4	0.4	0.4	1.2E-09	6.7E-10	3.3E-15	1.9E-09				
218-01-9	~Chrysene	0.962	0.962	0.962	2.9E-10	1.6E-10	7.9E-16	4.6E-10				
53-70-3	~Dibenz[a,h]anthracene	0.15	0.15	0.15	4.6E-08	2.5E-08	1.2E-13	7.1E-08				
206-44-0	~Fluoranthene	2.13	2.13	2.13					4.6E-05	2.5E-05		7.1E-05
193-39-5	~Indeno[1,2,3-cd]pyrene	0.716	0.716	0.716	2.2E-08	1.2E-08	5.9E-14	3.4E-08				
129-00-0	~Pyrene	1.75	1.75	1.75					5.0E-05	2.7E-05		7.7E-05
7782-49-2	Selenium	0.405	0.405	0.405					6.9E-05		7.8E-11	6.9E-05
7440-22-4	Silver	0.0101	0.0101	0.0101					1.7E-06			1.7E-06
7440-28-0	Thallium (Soluble Salts)	0.0379	0.0379	0.0379					3.2E-03			3.2E-03
7440-62-2	Vanadium and Compounds	10.3	10.3	10.3					1.7E-03		4.0E-07	1.8E-03
7440-66-6	Zinc and Compounds	50.9	50.9	50.9					1.5E-04			1.5E-04
						Cumulative:		9.7E-07				2.8E-02

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Soil **Output Form 2F**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-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	0.0248	0.0248	0.0248					1.5E-07			1.5E-07
7440-38-2	Arsenic, Inorganic	0.985	0.985	0.985	5.5E-07	7.7E-08	9.1E-13	6.2E-07	1.1E-02	1.3E-03	3.8E-08	1.2E-02
7440-39-3	Barium	19.4	19.4	19.4					5.3E-04		2.2E-08	5.3E-04
7440-41-7	Beryllium and compounds	0.156	0.156	0.156			8.0E-14	8.0E-14	4.3E-04		4.5E-09	4.3E-04
7440-43-9	Cadmium (Diet)	0.118	0.118	0.118			4.6E-14	4.6E-14	6.5E-03	6.1E-04	6.8E-09	7.1E-03
75-15-0	Carbon Disulfide	0.00409	0.00409	0.00409					2.2E-07		6.4E-08	2.9E-07
16065-83-1	Chromium(III), Insoluble Salts	5.43	5.43	5.43					2.0E-05			2.0E-05
7440-48-4	Cobalt	3.68	3.68	3.68			7.1E-12	7.1E-12	6.7E-02		3.5E-07	6.7E-02
7440-50-8	Copper	14.9	14.9	14.9					2.0E-03			2.0E-03
7439-92-1	~Lead and Compounds	23.5	23.5	23.5					**<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	11.7	11.7	11.7			6.5E-13	6.5E-13	3.2E-03		6.8E-07	3.2E-03
14797-55-8	Nitrate (measured as nitrogen)	7.21	7.21	7.21					2.5E-05			2.5E-05
117-81-7	~Bis(2-ethylhexyl)phthalate	0.693	0.693	0.693	6.0E-09	1.7E-09	3.6E-16	7.7E-09	1.9E-04	4.5E-05		2.3E-04
120-12-7	~Anthracene	0.114	0.114	0.114					2.1E-06	6.4E-07		2.7E-06
56-55-3	~Benz[a]anthracene	0.853	0.853	0.853	2.4E-07	8.0E-08	3.8E-10	3.2E-07				
50-32-8	~Benzo[a]pyrene	0.895	0.895	0.895	**2.5E-06**	8.4E-07	3.2E-13	**3.3E-06**	1.6E-02	5.0E-03	2.6E-07	2.1E-02
205-99-2	~Benzo[b]fluoranthene	1.42	1.42	1.42	4.0E-07	1.3E-07	5.1E-14	5.3E-07				
207-08-9	~Benzo[k]fluoranthene	0.4	0.4	0.4	1.1E-08	3.7E-09	1.4E-15	1.5E-08				
218-01-9	~Chrysene	0.962	0.962	0.962	2.7E-09	9.0E-10	3.4E-16	3.6E-09				
53-70-3	~Dibenz[a,h]anthracene	0.15	0.15	0.15	4.2E-07	1.4E-07	5.3E-14	5.6E-07				
206-44-0	~Fluoranthene	2.13	2.13	2.13					2.9E-04	9.0E-05		3.8E-04
193-39-5	~Indeno[1,2,3-cd]pyrene	0.716	0.716	0.716	2.0E-07	6.7E-08	2.6E-14	2.7E-07				
129-00-0	~Pyrene	1.75	1.75	1.75					3.2E-04	9.9E-05		4.2E-04
7782-49-2	Selenium	0.405	0.405	0.405					4.4E-04		1.2E-11	4.4E-04
7440-22-4	Silver	0.0101	0.0101	0.0101					1.1E-05			1.1E-05
7440-28-0	Thallium (Soluble Salts)	0.0379	0.0379	0.0379					2.1E-02			2.1E-02
7440-62-2	Vanadium and Compounds	10.3	10.3	10.3					1.1E-02		5.9E-08	1.1E-02
7440-66-6	Zinc and Compounds	50.9	50.9	50.9					9.3E-04			9.3E-04
						Cumulative:		5.7E-06				1.7E-01

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	SED-2 Risk Assessment
Submittal Date:	1/9/2026
Prepared By:	Madison Allen
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2A**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-2 Risk Assessment

Soil Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

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

Exposure Point Concentration (mg/kg)	Notes:	CAS Number	Chemical **For the chemicals highlighted in blue, data entry notes are provided in the PSRG Table link on the Main Menu**	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening	Background Value	Screening Toxicity Value (Screening Level) (n/c)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion
0.0368		67-64-1	Acetone			mg/kg	SED-2									
0.206	J B	7440-36-0	Antimony (metallic)			mg/kg	SED-2									
1.03		7440-38-2	Arsenic, Inorganic			mg/kg	SED-2									
32.5		7440-39-3	Barium			mg/kg	SED-2									
0.147	J	7440-41-7	Beryllium and compounds			mg/kg	SED-2									
0.116	J B	7440-43-9	Cadmium (Diet)			mg/kg	SED-2									
8.86		18540-29-9	Chromium(VI)			mg/kg	SED-2									
5.92		7440-48-4	Cobalt			mg/kg	SED-2									
11.4		7440-50-8	Copper			mg/kg	SED-2									
28.1	B	7439-92-1	~Lead and Compounds			mg/kg	SED-2									
355		7439-96-5	Manganese (Non-diet)			mg/kg	SED-2									
16.7		7440-02-0	Nickel Soluble Salts			mg/kg	SED-2									
1.79	J	14797-55-8	Nitrate (measured as nitrogen)			mg/kg	SED-2									
0.548	J B	117-81-7	~Bis(2-ethylhexyl)phthalate			mg/kg	SED-2									
0.147		56-55-3	~Benz[a]anthracene			mg/kg	SED-2									
0.147	J	50-32-8	~Benzo[a]pyrene			mg/kg	SED-2									
0.225	J	205-99-2	~Benzo[b]fluoranthene			mg/kg	SED-2									
0.151	J	218-01-9	~Chrysene			mg/kg	SED-2									
0.311	J	206-44-0	~Fluoranthene			mg/kg	SED-2									
0.107	J	193-39-5	~Indeno[1,2,3-cd]pyrene			mg/kg	SED-2									
0.346	J	129-00-0	~Pyrene			mg/kg	SED-2									
0.159	J	7782-49-2	Selenium			mg/kg	SED-2									
0.0102	J B	7440-22-4	Silver			mg/kg	SED-2									
15.7		7440-62-2	Vanadium and Compounds			mg/kg	SED-2									
67.5		7440-66-6	Zinc and Compounds			mg/kg	SED-2									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-2 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	1.2E-05	6.9E-01	NO
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	8.7E-07	4.7E-02	NO
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	5.4E-06	3.0E-01	NO
	Surface Water*	NC	NC	NC

VAPOR INTRUSION CALCULATORS

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

CONTAMINANT MIGRATION CALCULATORS

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

Notes:

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

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

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-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	0.0368	0.0368	0.0368					5.2E-07			5.2E-07
7440-36-0	Antimony (metallic)	0.206	0.206	0.206					6.6E-03		1.1E-08	6.6E-03
7440-38-2	Arsenic, Inorganic	1.03	1.03	1.03	**1.3E-06**	1.9E-07	2.7E-11	1.5E-06	2.6E-02	3.1E-03	1.1E-06	2.9E-02
7440-39-3	Barium	32.5	32.5	32.5					2.1E-03		1.1E-06	2.1E-03
7440-41-7	Beryllium and compounds	0.147	0.147	0.147			2.1E-12	2.1E-12	9.4E-04		1.2E-07	9.4E-04
7440-43-9	Cadmium (Diet)	0.116	0.116	0.116			1.3E-12	1.3E-12	1.5E-02	1.4E-03	1.9E-07	1.6E-02
18540-29-9	Chromium(VI)	8.86	8.86	8.86	**9.3E-06**		1.6E-09	9.3E-06	1.3E-01		4.8E-06	1.3E-01
7440-48-4	Cobalt	5.92	5.92	5.92			3.2E-10	3.2E-10	**2.5E-01**		1.6E-05	**2.5E-01**
7440-50-8	Copper	11.4	11.4	11.4					3.6E-03			3.6E-03
7439-92-1	~Lead and Compounds	28.1	28.1	28.1					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	355	355	355					1.9E-01		1.1E-04	1.9E-01
7440-02-0	Nickel Soluble Salts	16.7	16.7	16.7			2.6E-11	2.6E-11	1.1E-02		2.7E-05	1.1E-02
14797-55-8	Nitrate (measured as nitrogen)	1.79	1.79	1.79					1.4E-05			1.4E-05
117-81-7	~Bis(2-ethylhexyl)phthalate	0.548	0.548	0.548	1.1E-08	3.1E-09	7.9E-15	1.4E-08	3.5E-04	8.3E-05		4.3E-04
56-55-3	~Benz[a]anthracene	0.147	0.147	0.147	9.6E-08	3.2E-08	1.9E-09	1.3E-07				
50-32-8	~Benzo[a]pyrene	0.147	0.147	0.147	9.6E-07	3.2E-07	1.5E-12	1.3E-06	6.3E-03	1.9E-03	1.2E-06	8.2E-03
205-99-2	~Benzo[b]fluoranthene	0.225	0.225	0.225	1.5E-07	4.9E-08	2.2E-13	2.0E-07				
218-01-9	~Chrysene	0.151	0.151	0.151	9.9E-10	3.3E-10	1.5E-15	1.3E-09				
206-44-0	~Fluoranthene	0.311	0.311	0.311					9.9E-05	3.1E-05		1.3E-04
193-39-5	~Indeno[1,2,3-cd]pyrene	0.107	0.107	0.107	7.0E-08	2.3E-08	1.1E-13	9.3E-08				
129-00-0	~Pyrene	0.346	0.346	0.346					1.5E-04	4.5E-05		1.9E-04
7782-49-2	Selenium	0.159	0.159	0.159					4.1E-04		1.3E-10	4.1E-04
7440-22-4	Silver	0.0102	0.0102	0.0102					2.6E-05			2.6E-05
7440-62-2	Vanadium and Compounds	15.7	15.7	15.7					4.0E-02		2.5E-06	4.0E-02
7440-66-6	Zinc and Compounds	67.5	67.5	67.5					2.9E-03			2.9E-03
						Cumulative:		1.2E-05				6.9E-01

DEQ Risk Calculator - Direct Contact - Non-Residential Worker Soil **Output Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-2 Risk Assessment

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

*** - Note that the EPA has no consensus on reference dose or cancer slope factor values for lead, therefore it is not possible to calculate cancer risk or hazard quotient. Lead concentrations are compared to the EPA screening level of 800 mg/kg for commercial/industrial soil.*

CAS #	Chemical Name:	Ingestion Concentration (mg/kg)	Dermal Concentration (mg/kg)	Inhalation Concentration (mg/kg)*	Ingestion Carcinogenic Risk	Dermal Carcinogenic Risk	Inhalation Carcinogenic Risk	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Hazard Quotient	Inhalation Hazard Quotient	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	0.0368	0.0368	0.0368					3.5E-08			3.5E-08
7440-36-0	Antimony (metallic)	0.206	0.206	0.206					4.4E-04		2.6E-09	4.4E-04
7440-38-2	Arsenic, Inorganic	1.03	1.03	1.03	2.8E-07	6.0E-08	6.1E-12	3.4E-07	1.8E-03	3.7E-04	2.6E-07	2.1E-03
7440-39-3	Barium	32.5	32.5	32.5					1.4E-04		2.5E-07	1.4E-04
7440-41-7	Beryllium and compounds	0.147	0.147	0.147			4.8E-13	4.8E-13	6.3E-05		2.8E-08	6.3E-05
7440-43-9	Cadmium (Diet)	0.116	0.116	0.116			2.9E-13	2.9E-13	9.9E-04	1.7E-04	4.5E-08	1.2E-03
18540-29-9	Chromium(VI)	8.86	8.86	8.86	4.3E-07		1.3E-10	4.3E-07	8.4E-03		1.1E-06	8.4E-03
7440-48-4	Cobalt	5.92	5.92	5.92			7.3E-11	7.3E-11	1.7E-02		3.8E-06	1.7E-02
7440-50-8	Copper	11.4	11.4	11.4					2.4E-04			2.4E-04
7439-92-1	~Lead and Compounds	28.1	28.1	28.1					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	355	355	355					1.3E-02		2.7E-05	1.3E-02
7440-02-0	Nickel Soluble Salts	16.7	16.7	16.7			6.0E-12	6.0E-12	7.1E-04		6.4E-06	7.2E-04
14797-55-8	Nitrate (measured as nitrogen)	1.79	1.79	1.79					9.6E-07			9.6E-07
117-81-7	~Bis(2-ethylhexyl)phthalate	0.548	0.548	0.548	2.3E-09	9.9E-10	1.8E-15	3.3E-09	2.3E-05	9.9E-06		3.3E-05
56-55-3	~Benz[a]anthracene	0.147	0.147	0.147	4.5E-09	2.5E-09	1.5E-10	7.1E-09				
50-32-8	~Benzo[a]pyrene	0.147	0.147	0.147	4.5E-08	2.5E-08	1.2E-13	7.0E-08	4.2E-04	2.3E-04	2.8E-07	6.5E-04
205-99-2	~Benzo[b]fluoranthene	0.225	0.225	0.225	6.9E-09	3.8E-09	1.9E-14	1.1E-08				
218-01-9	~Chrysene	0.151	0.151	0.151	4.6E-11	2.5E-11	1.2E-16	7.2E-11				
206-44-0	~Fluoranthene	0.311	0.311	0.311					6.7E-06	3.7E-06		1.0E-05
193-39-5	~Indeno[1,2,3-cd]pyrene	0.107	0.107	0.107	3.3E-09	1.8E-09	8.8E-15	5.1E-09				
129-00-0	~Pyrene	0.346	0.346	0.346					9.9E-06	5.4E-06		1.5E-05
7782-49-2	Selenium	0.159	0.159	0.159					2.7E-05		3.1E-11	2.7E-05
7440-22-4	Silver	0.0102	0.0102	0.0102					1.7E-06			1.7E-06
7440-62-2	Vanadium and Compounds	15.7	15.7	15.7					2.7E-03		6.0E-07	2.7E-03
7440-66-6	Zinc and Compounds	67.5	67.5	67.5					1.9E-04			1.9E-04
						Cumulative:		8.7E-07				4.7E-02

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Soil **Output Form 2F**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-2 Risk Assessment

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

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

Receptor Type:

CAS #	Chemical Name:	Ingestion Concentration (mg/kg)	Dermal Concentration (mg/kg)	Inhalation Concentration (mg/kg)*	Ingestion Carcinogenic Risk	Dermal Carcinogenic Risk	Inhalation Carcinogenic Risk	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Hazard Quotient	Inhalation Hazard Quotient	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	0.0368	0.0368	0.0368					2.2E-07			2.2E-07
7440-36-0	Antimony (metallic)	0.206	0.206	0.206					2.8E-03		4.0E-10	2.8E-03
7440-38-2	Arsenic, Inorganic	1.03	1.03	1.03	5.7E-07	8.0E-08	9.5E-13	6.5E-07	1.1E-02	1.3E-03	4.0E-08	1.3E-02
7440-39-3	Barium	32.5	32.5	32.5					8.9E-04		3.8E-08	8.9E-04
7440-41-7	Beryllium and compounds	0.147	0.147	0.147			7.6E-14	7.6E-14	4.0E-04		4.2E-09	4.0E-04
7440-43-9	Cadmium (Diet)	0.116	0.116	0.116			4.5E-14	4.5E-14	6.4E-03	6.0E-04	6.7E-09	7.0E-03
18540-29-9	Chromium(VI)	8.86	8.86	8.86	**4.0E-06**		5.8E-11	**4.0E-06**	5.4E-02		1.7E-07	5.4E-02
7440-48-4	Cobalt	5.92	5.92	5.92			1.1E-11	1.1E-11	1.1E-01		5.7E-07	1.1E-01
7440-50-8	Copper	11.4	11.4	11.4					1.6E-03			1.6E-03
7439-92-1	~Lead and Compounds	28.1	28.1	28.1					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	355	355	355					8.1E-02		4.1E-06	8.1E-02
7440-02-0	Nickel Soluble Salts	16.7	16.7	16.7			9.3E-13	9.3E-13	4.6E-03		9.6E-07	4.6E-03
14797-55-8	Nitrate (measured as nitrogen)	1.79	1.79	1.79					6.1E-06			6.1E-06
117-81-7	~Bis(2-ethylhexyl)phthalate	0.548	0.548	0.548	4.7E-09	1.3E-09	2.8E-16	6.1E-09	1.5E-04	3.6E-05		1.9E-04
56-55-3	~Benz[a]anthracene	0.147	0.147	0.147	4.1E-08	1.4E-08	6.6E-11	5.5E-08				
50-32-8	~Benzo[a]pyrene	0.147	0.147	0.147	4.1E-07	1.4E-07	5.2E-14	5.5E-07	2.7E-03	8.3E-04	4.2E-08	3.5E-03
205-99-2	~Benzo[b]fluoranthene	0.225	0.225	0.225	6.3E-08	2.1E-08	8.0E-15	8.4E-08				
218-01-9	~Chrysene	0.151	0.151	0.151	4.2E-10	1.4E-10	5.4E-17	5.6E-10				
206-44-0	~Fluoranthene	0.311	0.311	0.311					4.3E-05	1.3E-05		5.6E-05
193-39-5	~Indeno[1,2,3-cd]pyrene	0.107	0.107	0.107	3.0E-08	1.0E-08	3.8E-15	4.0E-08				
129-00-0	~Pyrene	0.346	0.346	0.346					6.3E-05	1.9E-05		8.3E-05
7782-49-2	Selenium	0.159	0.159	0.159					1.7E-04		4.6E-12	1.7E-04
7440-22-4	Silver	0.0102	0.0102	0.0102					1.1E-05			1.1E-05
7440-62-2	Vanadium and Compounds	15.7	15.7	15.7					1.7E-02		9.1E-08	1.7E-02
7440-66-6	Zinc and Compounds	67.5	67.5	67.5					1.2E-03			1.2E-03
						Cumulative:		5.4E-06				3.0E-01

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	SED-3 Risk Assessment
Submittal Date:	1/9/2026
Prepared By:	Madison Allen
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2A**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-3 Risk Assessment

Soil Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

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

Exposure Point Concentration (mg/kg)	Notes:	CAS Number	Chemical **For the chemicals highlighted in blue, data entry notes are provided in the PSRG Table link on the Main Menu**	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening	Background Value	Screening Toxicity Value (Screening Level) (n/c)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion
0.0588		67-64-1	Acetone			mg/kg	SED-3									
0.201	J B	7440-36-0	Antimony (metallic)			mg/kg	SED-3									
0.945		7440-38-2	Arsenic, Inorganic			mg/kg	SED-3									
24.3		7440-39-3	Barium			mg/kg	SED-3									
0.125		7440-41-7	Beryllium and compounds			mg/kg	SED-3									
0.0786	J B	7440-43-9	Cadmium (Diet)			mg/kg	SED-3									
0.244	J *+	105-60-2	Caprolactam			mg/kg	SED-3									
0.258		18540-29-9	Chromium(VI)			mg/kg	SED-3									
6.54		7440-48-4	Cobalt			mg/kg	SED-3									
13.3	B	7440-50-8	Copper			mg/kg	SED-3									
20.9	B	7439-92-1	~Lead and Compounds			mg/kg	SED-3									
153		7439-96-5	Manganese (Non-diet)			mg/kg	SED-3									
0.0254	J	7487-94-7	~Mercuric Chloride (and other Mercury salts)			mg/kg	SED-3									
24.6		7440-02-0	Nickel Soluble Salts			mg/kg	SED-3									
1.89	J	14797-55-8	Nitrate (measured as nitrogen)			mg/kg	SED-3									
0.62	J B	117-81-7	~Bis(2-ethylhexyl)phthalate			mg/kg	SED-3									
0.239	J	56-55-3	~Benz[a]anthracene			mg/kg	SED-3									
0.245	J	50-32-8	~Benzo[a]pyrene			mg/kg	SED-3									
0.379	J	205-99-2	~Benzo[b]fluoranthene			mg/kg	SED-3									
0.105	J	207-08-9	~Benzo[k]fluoranthene			mg/kg	SED-3									
0.259	J	218-01-9	~Chrysene			mg/kg	SED-3									
0.496		206-44-0	~Fluoranthene			mg/kg	SED-3									
0.192	J	193-39-5	~Indeno[1,2,3-cd]pyrene			mg/kg	SED-3									
0.471	J	129-00-0	~Pyrene			mg/kg	SED-3									
0.142	J	7782-49-2	Selenium			mg/kg	SED-3									
0.0141	J B	7440-22-4	Silver			mg/kg	SED-3									
23.3		7440-62-2	Vanadium and Compounds			mg/kg	SED-3									
67		7440-66-6	Zinc and Compounds			mg/kg	SED-3									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-3 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	4.5E-06	5.1E-01	NO
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	4.9E-07	3.4E-02	NO
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	1.9E-06	2.2E-01	NO
	Surface Water*	NC	NC	NC

VAPOR INTRUSION CALCULATORS

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

CONTAMINANT MIGRATION CALCULATORS

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

Notes:

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

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

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-3 Risk Assessment

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

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

CAS #	Chemical Name:	Ingestion Concentration (mg/kg)	Dermal Concentration (mg/kg)	Inhalation Concentration (mg/kg)*	Ingestion Carcinogenic Risk	Dermal Carcinogenic Risk	Inhalation Carcinogenic Risk*	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Hazard Quotient	Inhalation Hazard Quotient*	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	0.0588	0.0588	0.0588					8.4E-07			8.4E-07
7440-36-0	Antimony (metallic)	0.201	0.201	0.201					6.4E-03		1.1E-08	6.4E-03
7440-38-2	Arsenic, Inorganic	0.945	0.945	0.945	**1.2E-06**	1.7E-07	2.4E-11	1.4E-06	2.4E-02	2.9E-03	1.0E-06	2.7E-02
7440-39-3	Barium	24.3	24.3	24.3					1.6E-03		7.9E-07	1.6E-03
7440-41-7	Beryllium and compounds	0.125	0.125	0.125			1.8E-12	1.8E-12	8.0E-04		1.0E-07	8.0E-04
7440-43-9	Cadmium (Diet)	0.0786	0.0786	0.0786			8.5E-13	8.5E-13	1.0E-02	9.5E-04	1.3E-07	1.1E-02
105-60-2	Caprolactam	0.244	0.244	0.244					6.2E-06	1.5E-06	1.8E-09	7.7E-06
18540-29-9	Chromium(VI)	0.258	0.258	0.258	2.7E-07		4.7E-11	2.7E-07	3.7E-03		1.4E-07	3.7E-03
7440-48-4	Cobalt	6.54	6.54	6.54			3.5E-10	3.5E-10	**2.8E-01**		1.8E-05	**2.8E-01**
7440-50-8	Copper	13.3	13.3	13.3					4.3E-03			4.3E-03
7439-92-1	~Lead and Compounds	20.9	20.9	20.9					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	153	153	153					8.2E-02		4.9E-05	8.2E-02
7487-94-7	~Mercuric Chloride (and other Mercury salts)	0.0254	0.0254	0.0254					1.1E-03		1.4E-09	1.1E-03
7440-02-0	Nickel Soluble Salts	24.6	24.6	24.6			3.8E-11	3.8E-11	1.6E-02		4.0E-05	1.6E-02
14797-55-8	Nitrate (measured as nitrogen)	1.89	1.89	1.89					1.5E-05			1.5E-05
117-81-7	~Bis(2-ethylhexyl)phthalate	0.62	0.62	0.62	1.2E-08	3.5E-09	8.9E-15	1.6E-08	4.0E-04	9.4E-05		4.9E-04
56-55-3	~Benz[a]anthracene	0.239	0.239	0.239	1.6E-07	5.2E-08	3.0E-09	2.1E-07				
50-32-8	~Benzo[a]pyrene	0.245	0.245	0.245	**1.6E-06**	5.3E-07	2.4E-12	2.1E-06	1.0E-02	3.2E-03	2.0E-06	1.4E-02
205-99-2	~Benzo[b]fluoranthene	0.379	0.379	0.379	2.5E-07	8.3E-08	3.8E-13	3.3E-07				
207-08-9	~Benzo[k]fluoranthene	0.105	0.105	0.105	6.9E-09	2.3E-09	1.0E-14	9.1E-09				
218-01-9	~Chrysene	0.259	0.259	0.259	1.7E-09	5.6E-10	2.6E-15	2.3E-09				
206-44-0	~Fluoranthene	0.496	0.496	0.496					1.6E-04	4.9E-05		2.1E-04
193-39-5	~Indeno[1,2,3-cd]pyrene	0.192	0.192	0.192	1.3E-07	4.2E-08	1.9E-13	1.7E-07				
129-00-0	~Pyrene	0.471	0.471	0.471					2.0E-04	6.2E-05		2.6E-04
7782-49-2	Selenium	0.142	0.142	0.142					3.6E-04		1.1E-10	3.6E-04
7440-22-4	Silver	0.0141	0.0141	0.0141					3.6E-05			3.6E-05
7440-62-2	Vanadium and Compounds	23.3	23.3	23.3					5.9E-02		3.8E-06	5.9E-02
7440-66-6	Zinc and Compounds	67	67	67					2.9E-03			2.9E-03
						Cumulative:		4.5E-06				5.1E-01

DEQ Risk Calculator - Direct Contact - Non-Residential Worker Soil **Output Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-3 Risk Assessment

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

*** - Note that the EPA has no consensus on reference dose or cancer slope factor values for lead, therefore it is not possible to calculate cancer risk or hazard quotient. Lead concentrations are compared to the EPA screening level of 800 mg/kg for commercial/industrial soil.*

CAS #	Chemical Name:	Ingestion Concentration (mg/kg)	Dermal Concentration (mg/kg)	Inhalation Concentration (mg/kg)*	Ingestion Carcinogenic Risk	Dermal Carcinogenic Risk	Inhalation Carcinogenic Risk	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Hazard Quotient	Inhalation Hazard Quotient	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	0.0588	0.0588	0.0588					5.6E-08			5.6E-08
7440-36-0	Antimony (metallic)	0.201	0.201	0.201					4.3E-04		2.6E-09	4.3E-04
7440-38-2	Arsenic, Inorganic	0.945	0.945	0.945	2.6E-07	5.5E-08	5.6E-12	3.2E-07	1.6E-03	3.4E-04	2.4E-07	2.0E-03
7440-39-3	Barium	24.3	24.3	24.3					1.0E-04		1.9E-07	1.0E-04
7440-41-7	Beryllium and compounds	0.125	0.125	0.125			4.1E-13	4.1E-13	5.4E-05		2.4E-08	5.4E-05
7440-43-9	Cadmium (Diet)	0.0786	0.0786	0.0786			1.9E-13	1.9E-13	6.7E-04	1.1E-04	3.0E-08	7.9E-04
105-60-2	Caprolactam	0.244	0.244	0.244					4.2E-07	1.8E-07	4.3E-10	6.0E-07
18540-29-9	Chromium(VI)	0.258	0.258	0.258	1.3E-08		3.9E-12	1.3E-08	2.5E-04		3.3E-08	2.5E-04
7440-48-4	Cobalt	6.54	6.54	6.54			8.1E-11	8.1E-11	1.9E-02		4.2E-06	1.9E-02
7440-50-8	Copper	13.3	13.3	13.3					2.8E-04			2.8E-04
7439-92-1	~Lead and Compounds	20.9	20.9	20.9					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	153	153	153					5.5E-03		1.2E-05	5.5E-03
7487-94-7	~Mercuric Chloride (and other Mercury salts)	0.0254	0.0254	0.0254					7.2E-05		3.3E-10	7.2E-05
7440-02-0	Nickel Soluble Salts	24.6	24.6	24.6			8.8E-12	8.8E-12	1.1E-03		9.5E-06	1.1E-03
14797-55-8	Nitrate (measured as nitrogen)	1.89	1.89	1.89					1.0E-06			1.0E-06
117-81-7	~Bis(2-ethylhexyl)phthalate	0.62	0.62	0.62	2.7E-09	1.1E-09	2.0E-15	3.8E-09	2.7E-05	1.1E-05		3.8E-05
56-55-3	~Benz[a]anthracene	0.239	0.239	0.239	7.3E-09	4.0E-09	2.5E-10	1.2E-08				
50-32-8	~Benzo[a]pyrene	0.245	0.245	0.245	7.5E-08	4.1E-08	2.0E-13	1.2E-07	7.0E-04	3.8E-04	4.7E-07	1.1E-03
205-99-2	~Benzo[b]fluoranthene	0.379	0.379	0.379	1.2E-08	6.4E-09	3.1E-14	1.8E-08				
207-08-9	~Benzo[k]fluoranthene	0.105	0.105	0.105	3.2E-10	1.8E-10	8.7E-16	5.0E-10				
218-01-9	~Chrysene	0.259	0.259	0.259	7.9E-11	4.4E-11	2.1E-16	1.2E-10				
206-44-0	~Fluoranthene	0.496	0.496	0.496					1.1E-05	5.8E-06		1.6E-05
193-39-5	~Indeno[1,2,3-cd]pyrene	0.192	0.192	0.192	5.9E-09	3.2E-09	1.6E-14	9.1E-09				
129-00-0	~Pyrene	0.471	0.471	0.471					1.3E-05	7.4E-06		2.1E-05
7782-49-2	Selenium	0.142	0.142	0.142					2.4E-05		2.7E-11	2.4E-05
7440-22-4	Silver	0.0141	0.0141	0.0141					2.4E-06			2.4E-06
7440-62-2	Vanadium and Compounds	23.3	23.3	23.3					4.0E-03		9.0E-07	4.0E-03
7440-66-6	Zinc and Compounds	67	67	67					1.9E-04			1.9E-04
						Cumulative:		4.9E-07				3.4E-02

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Soil **Output Form 2F**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-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	0.0588	0.0588	0.0588					3.6E-07			3.6E-07
7440-36-0	Antimony (metallic)	0.201	0.201	0.201					2.8E-03		3.9E-10	2.8E-03
7440-38-2	Arsenic, Inorganic	0.945	0.945	0.945	5.2E-07	7.4E-08	8.7E-13	6.0E-07	1.0E-02	1.2E-03	3.6E-08	1.2E-02
7440-39-3	Barium	24.3	24.3	24.3					6.7E-04		2.8E-08	6.7E-04
7440-41-7	Beryllium and compounds	0.125	0.125	0.125			6.4E-14	6.4E-14	3.4E-04		3.6E-09	3.4E-04
7440-43-9	Cadmium (Diet)	0.0786	0.0786	0.0786			3.0E-14	3.0E-14	4.3E-03	4.1E-04	4.5E-09	4.7E-03
105-60-2	Caprolactam	0.244	0.244	0.244					2.7E-06	6.3E-07	6.4E-11	3.3E-06
18540-29-9	Chromium(VI)	0.258	0.258	0.258	1.2E-07		1.7E-12	1.2E-07	1.6E-03		5.0E-09	1.6E-03
7440-48-4	Cobalt	6.54	6.54	6.54			1.3E-11	1.3E-11	1.2E-01		6.3E-07	1.2E-01
7440-50-8	Copper	13.3	13.3	13.3					1.8E-03			1.8E-03
7439-92-1	~Lead and Compounds	20.9	20.9	20.9					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	153	153	153					3.5E-02		1.8E-06	3.5E-02
7487-94-7	~Mercuric Chloride (and other Mercury salts)	0.0254	0.0254	0.0254					4.6E-04		4.9E-11	4.6E-04
7440-02-0	Nickel Soluble Salts	24.6	24.6	24.6			1.4E-12	1.4E-12	6.7E-03		1.4E-06	6.7E-03
14797-55-8	Nitrate (measured as nitrogen)	1.89	1.89	1.89					6.5E-06			6.5E-06
117-81-7	~Bis(2-ethylhexyl)phthalate	0.62	0.62	0.62	5.4E-09	1.5E-09	3.2E-16	6.9E-09	1.7E-04	4.0E-05		2.1E-04
56-55-3	~Benz[a]anthracene	0.239	0.239	0.239	6.7E-08	2.2E-08	1.1E-10	8.9E-08				
50-32-8	~Benzo[a]pyrene	0.245	0.245	0.245	6.9E-07	2.3E-07	8.7E-14	9.1E-07	4.5E-03	1.4E-03	7.1E-08	5.9E-03
205-99-2	~Benzo[b]fluoranthene	0.379	0.379	0.379	1.1E-07	3.5E-08	1.4E-14	1.4E-07				
207-08-9	~Benzo[k]fluoranthene	0.105	0.105	0.105	2.9E-09	9.8E-10	3.7E-16	3.9E-09				
218-01-9	~Chrysene	0.259	0.259	0.259	7.2E-10	2.4E-10	9.2E-17	9.7E-10				
206-44-0	~Fluoranthene	0.496	0.496	0.496					6.8E-05	2.1E-05		8.9E-05
193-39-5	~Indeno[1,2,3-cd]pyrene	0.192	0.192	0.192	5.4E-08	1.8E-08	6.8E-15	7.2E-08				
129-00-0	~Pyrene	0.471	0.471	0.471					8.6E-05	2.7E-05		1.1E-04
7782-49-2	Selenium	0.142	0.142	0.142					1.6E-04		4.1E-12	1.6E-04
7440-22-4	Silver	0.0141	0.0141	0.0141					1.5E-05			1.5E-05
7440-62-2	Vanadium and Compounds	23.3	23.3	23.3					2.5E-02		1.3E-07	2.5E-02
7440-66-6	Zinc and Compounds	67	67	67					1.2E-03			1.2E-03
						Cumulative:		1.9E-06				2.2E-01

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	SED-4 Risk Assessment
Submittal Date:	1/9/2026
Prepared By:	Madison Allen
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2A**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-4 Risk Assessment

Soil Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

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

Exposure Point Concentration (mg/kg)	Notes:	CAS Number	Chemical **For the chemicals highlighted in blue, data entry notes are provided in the PSRG Table link on the Main Menu**	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening	Background Value	Screening Toxicity Value (Screening Level) (n/c)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion
0.0135	J	67-64-1	Acetone			mg/kg	SED-4									
0.78		7440-38-2	Arsenic, Inorganic			mg/kg	SED-4									
37.7		7440-39-3	Barium			mg/kg	SED-4									
0.114		7440-41-7	Beryllium and compounds			mg/kg	SED-4									
0.0608	J B	7440-43-9	Cadmium (Diet)			mg/kg	SED-4									
7.4		16065-83-1	Chromium(III), Insoluble Salts			mg/kg	SED-4									
4.67		7440-48-4	Cobalt			mg/kg	SED-4									
9.76		7440-50-8	Copper			mg/kg	SED-4									
16.2	B	7439-92-1	~Lead and Compounds			mg/kg	SED-4									
119		7439-96-5	Manganese (Non-diet)			mg/kg	SED-4									
14.7		7440-02-0	Nickel Soluble Salts			mg/kg	SED-4									
1.86		14797-55-8	Nitrate (measured as nitrogen)			mg/kg	SED-4									
0.495	J B	117-81-7	~Bis(2-ethylhexyl)phthalate			mg/kg	SED-4									
0.24	J	120-12-7	~Anthracene			mg/kg	SED-4									
1.49		56-55-3	~Benz[a]anthracene			mg/kg	SED-4									
1.3		50-32-8	~Benzo[a]pyrene			mg/kg	SED-4									
1.84		205-99-2	~Benzo[b]fluoranthene			mg/kg	SED-4									
0.494	J	207-08-9	~Benzo[k]fluoranthene			mg/kg	SED-4									
1.5		218-01-9	~Chrysene			mg/kg	SED-4									
0.209	J	53-70-3	~Dibenz[a,h]anthracene			mg/kg	SED-4									
3.56		206-44-0	~Fluoranthene			mg/kg	SED-4									
0.0751	J	86-73-7	~Fluorene			mg/kg	SED-4									
0.845		193-39-5	~Indeno[1,2,3-cd]pyrene			mg/kg	SED-4									
3.38		129-00-0	~Pyrene			mg/kg	SED-4									
0.0128	J	7440-22-4	Silver			mg/kg	SED-4									
13.2		7440-62-2	Vanadium and Compounds			mg/kg	SED-4									
43.6		7440-66-6	Zinc and Compounds			mg/kg	SED-4									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-4 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	1.8E-05	4.2E-01	NO
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	1.2E-06	2.9E-02	NO
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	7.7E-06	1.8E-01	NO
	Surface Water*	NC	NC	NC

VAPOR INTRUSION CALCULATORS

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

CONTAMINANT MIGRATION CALCULATORS

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

Notes:

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

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

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-4 Risk Assessment

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

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

CAS #	Chemical Name:	Ingestion Concentration (mg/kg)	Dermal Concentration (mg/kg)	Inhalation Concentration (mg/kg)*	Ingestion Carcinogenic Risk	Dermal Carcinogenic Risk	Inhalation Carcinogenic Risk*	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Hazard Quotient	Inhalation Hazard Quotient*	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	0.0135	0.0135	0.0135					1.9E-07			1.9E-07
7440-38-2	Arsenic, Inorganic	0.78	0.78	0.78	**1.0E-06**	1.4E-07	2.0E-11	1.2E-06	2.0E-02	2.4E-03	8.4E-07	2.2E-02
7440-39-3	Barium	37.7	37.7	37.7					2.4E-03		1.2E-06	2.4E-03
7440-41-7	Beryllium and compounds	0.114	0.114	0.114			1.6E-12	1.6E-12	7.3E-04		9.2E-08	7.3E-04
7440-43-9	Cadmium (Diet)	0.0608	0.0608	0.0608			6.6E-13	6.6E-13	7.8E-03	7.4E-04	9.8E-08	8.5E-03
16065-83-1	Chromium(III), Insoluble Salts	7.4	7.4	7.4					6.3E-05			6.3E-05
7440-48-4	Cobalt	4.67	4.67	4.67			2.5E-10	2.5E-10	2.0E-01		1.3E-05	2.0E-01
7440-50-8	Copper	9.76	9.76	9.76					3.1E-03			3.1E-03
7439-92-1	~Lead and Compounds	16.2	16.2	16.2					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	119	119	119					6.3E-02		3.8E-05	6.3E-02
7440-02-0	Nickel Soluble Salts	14.7	14.7	14.7			2.3E-11	2.3E-11	9.4E-03		2.4E-05	9.4E-03
14797-55-8	Nitrate (measured as nitrogen)	1.86	1.86	1.86					1.5E-05			1.5E-05
117-81-7	~Bis(2-ethylhexyl)phthalate	0.495	0.495	0.495	1.0E-08	2.8E-09	7.1E-15	1.3E-08	3.2E-04	7.5E-05		3.9E-04
120-12-7	~Anthracene	0.24	0.24	0.24					1.0E-05	3.2E-06		1.3E-05
56-55-3	~Benz[a]anthracene	1.49	1.49	1.49	9.7E-07	3.2E-07	1.9E-08	1.3E-06				
50-32-8	~Benzo[a]pyrene	1.3	1.3	1.3	**8.5E-06**	**2.8E-06**	1.3E-11	1.1E-05	5.5E-02	1.7E-02	1.1E-05	7.3E-02
205-99-2	~Benzo[b]fluoranthene	1.84	1.84	1.84	**1.2E-06**	4.0E-07	1.8E-12	1.6E-06				
207-08-9	~Benzo[k]fluoranthene	0.494	0.494	0.494	3.2E-08	1.1E-08	4.9E-14	4.3E-08				
218-01-9	~Chrysene	1.5	1.5	1.5	9.8E-09	3.3E-09	1.5E-14	1.3E-08				
53-70-3	~Dibenz[a,h]anthracene	0.209	0.209	0.209	**1.4E-06**	4.6E-07	2.1E-12	1.8E-06				
206-44-0	~Fluoranthene	3.56	3.56	3.56					1.1E-03	3.5E-04		1.5E-03
86-73-7	~Fluorene	0.0751	0.0751	0.0751					2.4E-05	7.4E-06		3.1E-05
193-39-5	~Indeno[1,2,3-cd]pyrene	0.845	0.845	0.845	5.5E-07	1.8E-07	8.4E-13	7.4E-07				
129-00-0	~Pyrene	3.38	3.38	3.38					1.4E-03	4.4E-04		1.9E-03
7440-22-4	Silver	0.0128	0.0128	0.0128					3.3E-05			3.3E-05
7440-62-2	Vanadium and Compounds	13.2	13.2	13.2					3.3E-02		2.1E-06	3.3E-02
7440-66-6	Zinc and Compounds	43.6	43.6	43.6					1.9E-03			1.9E-03
						Cumulative:		1.8E-05				4.2E-01

DEQ Risk Calculator - Direct Contact - Non-Residential Worker Soil **Output Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-4 Risk Assessment

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

*** - Note that the EPA has no consensus on reference dose or cancer slope factor values for lead, therefore it is not possible to calculate cancer risk or hazard quotient. Lead concentrations are compared to the EPA screening level of 800 mg/kg for commercial/industrial soil.*

CAS #	Chemical Name:	Ingestion Concentration (mg/kg)	Dermal Concentration (mg/kg)	Inhalation Concentration (mg/kg)*	Ingestion Carcinogenic Risk	Dermal Carcinogenic Risk	Inhalation Carcinogenic Risk	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Hazard Quotient	Inhalation Hazard Quotient	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	0.0135	0.0135	0.0135					1.3E-08			1.3E-08
7440-38-2	Arsenic, Inorganic	0.78	0.78	0.78	2.1E-07	4.5E-08	4.6E-12	2.6E-07	1.3E-03	2.8E-04	2.0E-07	1.6E-03
7440-39-3	Barium	37.7	37.7	37.7					1.6E-04		2.9E-07	1.6E-04
7440-41-7	Beryllium and compounds	0.114	0.114	0.114			3.8E-13	3.8E-13	4.9E-05		2.2E-08	4.9E-05
7440-43-9	Cadmium (Diet)	0.0608	0.0608	0.0608			1.5E-13	1.5E-13	5.2E-04	8.8E-05	2.3E-08	6.1E-04
16065-83-1	Chromium(III), Insoluble Salts	7.4	7.4	7.4					4.2E-06			4.2E-06
7440-48-4	Cobalt	4.67	4.67	4.67			5.8E-11	5.8E-11	1.3E-02		3.0E-06	1.3E-02
7440-50-8	Copper	9.76	9.76	9.76					2.1E-04			2.1E-04
7439-92-1	~Lead and Compounds	16.2	16.2	16.2					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	119	119	119					4.2E-03		9.2E-06	4.3E-03
7440-02-0	Nickel Soluble Salts	14.7	14.7	14.7			5.3E-12	5.3E-12	6.3E-04		5.7E-06	6.3E-04
14797-55-8	Nitrate (measured as nitrogen)	1.86	1.86	1.86					1.0E-06			1.0E-06
117-81-7	~Bis(2-ethylhexyl)phthalate	0.495	0.495	0.495	2.1E-09	9.0E-10	1.6E-15	3.0E-09	2.1E-05	9.0E-06		3.0E-05
120-12-7	~Anthracene	0.24	0.24	0.24					6.8E-07	3.8E-07		1.1E-06
56-55-3	~Benz[a]anthracene	1.49	1.49	1.49	4.6E-08	2.5E-08	1.6E-09	7.2E-08				
50-32-8	~Benzo[a]pyrene	1.3	1.3	1.3	4.0E-07	2.2E-07	1.1E-12	6.2E-07	3.7E-03	2.0E-03	2.5E-06	5.8E-03
205-99-2	~Benzo[b]fluoranthene	1.84	1.84	1.84	5.6E-08	3.1E-08	1.5E-13	8.7E-08				
207-08-9	~Benzo[k]fluoranthene	0.494	0.494	0.494	1.5E-09	8.3E-10	4.1E-15	2.3E-09				
218-01-9	~Chrysene	1.5	1.5	1.5	4.6E-10	2.5E-10	1.2E-15	7.1E-10				
53-70-3	~Dibenz[a,h]anthracene	0.209	0.209	0.209	6.4E-08	3.5E-08	1.7E-13	9.9E-08				
206-44-0	~Fluoranthene	3.56	3.56	3.56					7.6E-05	4.2E-05		1.2E-04
86-73-7	~Fluorene	0.0751	0.0751	0.0751					1.6E-06	8.8E-07		2.5E-06
193-39-5	~Indeno[1,2,3-cd]pyrene	0.845	0.845	0.845	2.6E-08	1.4E-08	7.0E-14	4.0E-08				
129-00-0	~Pyrene	3.38	3.38	3.38					9.6E-05	5.3E-05		1.5E-04
7440-22-4	Silver	0.0128	0.0128	0.0128					2.2E-06			2.2E-06
7440-62-2	Vanadium and Compounds	13.2	13.2	13.2					2.2E-03		5.1E-07	2.2E-03
7440-66-6	Zinc and Compounds	43.6	43.6	43.6					1.2E-04			1.2E-04
						Cumulative:		1.2E-06				2.9E-02

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Soil **Output Form 2F**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-4 Risk Assessment

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

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

Receptor Type:

CAS #	Chemical Name:	Ingestion Concentration (mg/kg)	Dermal Concentration (mg/kg)	Inhalation Concentration (mg/kg)*	Ingestion Carcinogenic Risk	Dermal Carcinogenic Risk	Inhalation Carcinogenic Risk	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Hazard Quotient	Inhalation Hazard Quotient	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	0.0135	0.0135	0.0135					8.2E-08			8.2E-08
7440-38-2	Arsenic, Inorganic	0.78	0.78	0.78	4.3E-07	6.1E-08	7.2E-13	4.9E-07	8.5E-03	1.0E-03	3.0E-08	9.6E-03
7440-39-3	Barium	37.7	37.7	37.7					1.0E-03		4.4E-08	1.0E-03
7440-41-7	Beryllium and compounds	0.114	0.114	0.114			5.9E-14	5.9E-14	3.1E-04		3.3E-09	3.1E-04
7440-43-9	Cadmium (Diet)	0.0608	0.0608	0.0608			2.3E-14	2.3E-14	3.3E-03	3.2E-04	3.5E-09	3.6E-03
16065-83-1	Chromium(III), Insoluble Salts	7.4	7.4	7.4					2.7E-05			2.7E-05
7440-48-4	Cobalt	4.67	4.67	4.67			9.0E-12	9.0E-12	8.5E-02		4.5E-07	8.5E-02
7440-50-8	Copper	9.76	9.76	9.76					1.3E-03			1.3E-03
7439-92-1	~Lead and Compounds	16.2	16.2	16.2					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	119	119	119					2.7E-02		1.4E-06	2.7E-02
7440-02-0	Nickel Soluble Salts	14.7	14.7	14.7			8.2E-13	8.2E-13	4.0E-03		8.5E-07	4.0E-03
14797-55-8	Nitrate (measured as nitrogen)	1.86	1.86	1.86					6.4E-06			6.4E-06
117-81-7	~Bis(2-ethylhexyl)phthalate	0.495	0.495	0.495	4.3E-09	1.2E-09	2.5E-16	5.5E-09	1.4E-04	3.2E-05		1.7E-04
120-12-7	~Anthracene	0.24	0.24	0.24					4.4E-06	1.4E-06		5.7E-06
56-55-3	~Benz[a]anthracene	1.49	1.49	1.49	4.2E-07	1.4E-07	6.7E-10	5.6E-07				
50-32-8	~Benzo[a]pyrene	1.3	1.3	1.3	**3.6E-06**	**1.2E-06**	4.6E-13	**4.9E-06**	2.4E-02	7.3E-03	3.8E-07	3.1E-02
205-99-2	~Benzo[b]fluoranthene	1.84	1.84	1.84	5.1E-07	1.7E-07	6.6E-14	6.9E-07				
207-08-9	~Benzo[k]fluoranthene	0.494	0.494	0.494	1.4E-08	4.6E-09	1.8E-15	1.8E-08				
218-01-9	~Chrysene	1.5	1.5	1.5	4.2E-09	1.4E-09	5.3E-16	5.6E-09				
53-70-3	~Dibenz[a,h]anthracene	0.209	0.209	0.209	5.8E-07	2.0E-07	7.4E-14	7.8E-07				
206-44-0	~Fluoranthene	3.56	3.56	3.56					4.9E-04	1.5E-04		6.4E-04
86-73-7	~Fluorene	0.0751	0.0751	0.0751					1.0E-05	3.2E-06		1.3E-05
193-39-5	~Indeno[1,2,3-cd]pyrene	0.845	0.845	0.845	2.4E-07	7.9E-08	3.0E-14	3.2E-07				
129-00-0	~Pyrene	3.38	3.38	3.38					6.2E-04	1.9E-04		8.1E-04
7440-22-4	Silver	0.0128	0.0128	0.0128					1.4E-05			1.4E-05
7440-62-2	Vanadium and Compounds	13.2	13.2	13.2					1.4E-02		7.6E-08	1.4E-02
7440-66-6	Zinc and Compounds	43.6	43.6	43.6					8.0E-04			8.0E-04
						Cumulative:		7.7E-06				1.8E-01

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	SED-5 Risk Assessment
Submittal Date:	1/9/2026
Prepared By:	Madison Allen
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2A**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-5 Risk Assessment

Soil Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

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

Exposure Point Concentration (mg/kg)	Notes:	CAS Number	Chemical **For the chemicals highlighted in blue, data entry notes are provided in the PSRG Table link on the Main Menu**	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening	Background Value	Screening Toxicity Value (Screening Level) (n/c)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion
0.0313		67-64-1	Acetone			mg/kg	SED-5									
0.544		7440-38-2	Arsenic, Inorganic			mg/kg	SED-5									
15.8		7440-39-3	Barium			mg/kg	SED-5									
0.117	J	7440-41-7	Beryllium and compounds			mg/kg	SED-5									
0.0842	J B	7440-43-9	Cadmium (Diet)			mg/kg	SED-5									
0.282	J *+	105-60-2	Caprolactam			mg/kg	SED-5									
0.00292	J	75-15-0	Carbon Disulfide			mg/kg	SED-5									
5.37		16065-83-1	Chromium(III), Insoluble Salts			mg/kg	SED-5									
4.1		7440-48-4	Cobalt			mg/kg	SED-5									
11	B	7440-50-8	Copper			mg/kg	SED-5									
11.9		7439-92-1	~Lead and Compounds			mg/kg	SED-5									
105		7439-96-5	Manganese (Non-diet)			mg/kg	SED-5									
11.9	B	7440-02-0	Nickel Soluble Salts			mg/kg	SED-5									
1.41	J	14797-55-8	Nitrate (measured as nitrogen)			mg/kg	SED-5									
0.591	J B	117-81-7	~Bis(2-ethylhexyl)phthalate			mg/kg	SED-5									
0.0748	J	205-99-2	~Benzo[b]fluoranthene			mg/kg	SED-5									
0.149	J	7782-49-2	Selenium			mg/kg	SED-5									
0.00929	J B	7440-22-4	Silver			mg/kg	SED-5									
9.94		7440-62-2	Vanadium and Compounds			mg/kg	SED-5									
48.4		7440-66-6	Zinc and Compounds			mg/kg	SED-5									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-5 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	8.8E-07	3.0E-01	NO
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	1.9E-07	2.0E-02	NO
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	3.8E-07	1.3E-01	NO
	Surface Water*	NC	NC	NC

VAPOR INTRUSION CALCULATORS

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

CONTAMINANT MIGRATION CALCULATORS

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

Notes:

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

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

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-5 Risk Assessment

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

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

CAS #	Chemical Name:	Ingestion Concentration (mg/kg)	Dermal Concentration (mg/kg)	Inhalation Concentration (mg/kg)*	Ingestion Carcinogenic Risk	Dermal Carcinogenic Risk	Inhalation Carcinogenic Risk*	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Hazard Quotient	Inhalation Hazard Quotient*	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	0.0313	0.0313	0.0313					4.4E-07			4.4E-07
7440-38-2	Arsenic, Inorganic	0.544	0.544	0.544	7.0E-07	9.9E-08	1.4E-11	8.0E-07	1.4E-02	1.7E-03	5.9E-07	1.6E-02
7440-39-3	Barium	15.8	15.8	15.8					1.0E-03		5.1E-07	1.0E-03
7440-41-7	Beryllium and compounds	0.117	0.117	0.117			1.7E-12	1.7E-12	7.5E-04		9.5E-08	7.5E-04
7440-43-9	Cadmium (Diet)	0.0842	0.0842	0.0842			9.1E-13	9.1E-13	1.1E-02	1.0E-03	1.4E-07	1.2E-02
105-60-2	Caprolactam	0.282	0.282	0.282					7.2E-06	1.7E-06	2.1E-09	8.9E-06
75-15-0	Carbon Disulfide	0.00292	0.00292	0.00292					3.7E-07		1.3E-06	1.6E-06
16065-83-1	Chromium(III), Insoluble Salts	5.37	5.37	5.37					4.6E-05			4.6E-05
7440-48-4	Cobalt	4.1	4.1	4.1			2.2E-10	2.2E-10	1.7E-01		1.1E-05	1.7E-01
7440-50-8	Copper	11	11	11					3.5E-03			3.5E-03
7439-92-1	~Lead and Compounds	11.9	11.9	11.9					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	105	105	105					5.6E-02		3.4E-05	5.6E-02
7440-02-0	Nickel Soluble Salts	11.9	11.9	11.9			1.9E-11	1.9E-11	7.6E-03		1.9E-05	7.6E-03
14797-55-8	Nitrate (measured as nitrogen)	1.41	1.41	1.41					1.1E-05			1.1E-05
117-81-7	~Bis(2-ethylhexyl)phthalate	0.591	0.591	0.591	1.2E-08	3.3E-09	8.5E-15	1.5E-08	3.8E-04	9.0E-05		4.7E-04
205-99-2	~Benzo[b]fluoranthene	0.0748	0.0748	0.0748	4.9E-08	1.6E-08	7.5E-14	6.5E-08				
7782-49-2	Selenium	0.149	0.149	0.149					3.8E-04		1.2E-10	3.8E-04
7440-22-4	Silver	0.00929	0.00929	0.00929					2.4E-05			2.4E-05
7440-62-2	Vanadium and Compounds	9.94	9.94	9.94					2.5E-02		1.6E-06	2.5E-02
7440-66-6	Zinc and Compounds	48.4	48.4	48.4					2.1E-03			2.1E-03
						Cumulative:		8.8E-07				3.0E-01

DEQ Risk Calculator - Direct Contact - Non-Residential Worker Soil **Output Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-5 Risk Assessment

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

*** - Note that the EPA has no consensus on reference dose or cancer slope factor values for lead, therefore it is not possible to calculate cancer risk or hazard quotient. Lead concentrations are compared to the EPA screening level of 800 mg/kg for commercial/industrial soil.*

CAS #	Chemical Name:	Ingestion Concentration (mg/kg)	Dermal Concentration (mg/kg)	Inhalation Concentration (mg/kg)*	Ingestion Carcinogenic Risk	Dermal Carcinogenic Risk	Inhalation Carcinogenic Risk	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Hazard Quotient	Inhalation Hazard Quotient	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	0.0313	0.0313	0.0313					3.0E-08			3.0E-08
7440-38-2	Arsenic, Inorganic	0.544	0.544	0.544	1.5E-07	3.2E-08	3.2E-12	1.8E-07	9.3E-04	2.0E-04	1.4E-07	1.1E-03
7440-39-3	Barium	15.8	15.8	15.8					6.8E-05		1.2E-07	6.8E-05
7440-41-7	Beryllium and compounds	0.117	0.117	0.117			3.9E-13	3.9E-13	5.0E-05		2.3E-08	5.0E-05
7440-43-9	Cadmium (Diet)	0.0842	0.0842	0.0842			2.1E-13	2.1E-13	7.2E-04	1.2E-04	3.2E-08	8.4E-04
105-60-2	Caprolactam	0.282	0.282	0.282					4.8E-07	2.0E-07	4.9E-10	6.9E-07
75-15-0	Carbon Disulfide	0.00292	0.00292	0.00292					2.5E-08		3.0E-07	3.3E-07
16065-83-1	Chromium(III), Insoluble Salts	5.37	5.37	5.37					3.1E-06			3.1E-06
7440-48-4	Cobalt	4.1	4.1	4.1			5.1E-11	5.1E-11	1.2E-02		2.6E-06	1.2E-02
7440-50-8	Copper	11	11	11					2.4E-04			2.4E-04
7439-92-1	~Lead and Compounds	11.9	11.9	11.9					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	105	105	105					3.7E-03		8.1E-06	3.8E-03
7440-02-0	Nickel Soluble Salts	11.9	11.9	11.9			4.3E-12	4.3E-12	5.1E-04		4.6E-06	5.1E-04
14797-55-8	Nitrate (measured as nitrogen)	1.41	1.41	1.41					7.5E-07			7.5E-07
117-81-7	~Bis(2-ethylhexyl)phthalate	0.591	0.591	0.591	2.5E-09	1.1E-09	1.9E-15	3.6E-09	2.5E-05	1.1E-05		3.6E-05
205-99-2	~Benzo[b]fluoranthene	0.0748	0.0748	0.0748	2.3E-09	1.3E-09	6.2E-15	3.5E-09				
7782-49-2	Selenium	0.149	0.149	0.149					2.6E-05		2.9E-11	2.6E-05
7440-22-4	Silver	0.00929	0.00929	0.00929					1.6E-06			1.6E-06
7440-62-2	Vanadium and Compounds	9.94	9.94	9.94					1.7E-03		3.8E-07	1.7E-03
7440-66-6	Zinc and Compounds	48.4	48.4	48.4					1.4E-04			1.4E-04
						Cumulative:		1.9E-07				2.0E-02

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Soil **Output Form 2F**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-5 Risk Assessment

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

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

Receptor Type:

CAS #	Chemical Name:	Ingestion Concentration (mg/kg)	Dermal Concentration (mg/kg)	Inhalation Concentration (mg/kg)*	Ingestion Carcinogenic Risk	Dermal Carcinogenic Risk	Inhalation Carcinogenic Risk	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Hazard Quotient	Inhalation Hazard Quotient	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	0.0313	0.0313	0.0313					1.9E-07			1.9E-07
7440-38-2	Arsenic, Inorganic	0.544	0.544	0.544	3.0E-07	4.2E-08	5.0E-13	3.4E-07	6.0E-03	7.1E-04	2.1E-08	6.7E-03
7440-39-3	Barium	15.8	15.8	15.8					4.3E-04		1.8E-08	4.3E-04
7440-41-7	Beryllium and compounds	0.117	0.117	0.117			6.0E-14	6.0E-14	3.2E-04		3.4E-09	3.2E-04
7440-43-9	Cadmium (Diet)	0.0842	0.0842	0.0842			3.2E-14	3.2E-14	4.6E-03	4.4E-04	4.9E-09	5.1E-03
105-60-2	Caprolactam	0.282	0.282	0.282					3.1E-06	7.3E-07	7.4E-11	3.8E-06
75-15-0	Carbon Disulfide	0.00292	0.00292	0.00292					1.6E-07		4.5E-08	2.1E-07
16065-83-1	Chromium(III), Insoluble Salts	5.37	5.37	5.37					2.0E-05			2.0E-05
7440-48-4	Cobalt	4.1	4.1	4.1			7.9E-12	7.9E-12	7.5E-02		3.9E-07	7.5E-02
7440-50-8	Copper	11	11	11					1.5E-03			1.5E-03
7439-92-1	~Lead and Compounds	11.9	11.9	11.9					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	105	105	105					2.4E-02		1.2E-06	2.4E-02
7440-02-0	Nickel Soluble Salts	11.9	11.9	11.9			6.6E-13	6.6E-13	3.3E-03		6.9E-07	3.3E-03
14797-55-8	Nitrate (measured as nitrogen)	1.41	1.41	1.41					4.8E-06			4.8E-06
117-81-7	~Bis(2-ethylhexyl)phthalate	0.591	0.591	0.591	5.1E-09	1.4E-09	3.0E-16	6.5E-09	1.6E-04	3.8E-05		2.0E-04
205-99-2	~Benzo[b]fluoranthene	0.0748	0.0748	0.0748	2.1E-08	7.0E-09	2.7E-15	2.8E-08				
7782-49-2	Selenium	0.149	0.149	0.149					1.6E-04		4.3E-12	1.6E-04
7440-22-4	Silver	0.00929	0.00929	0.00929					1.0E-05			1.0E-05
7440-62-2	Vanadium and Compounds	9.94	9.94	9.94					1.1E-02		5.7E-08	1.1E-02
7440-66-6	Zinc and Compounds	48.4	48.4	48.4					8.8E-04			8.8E-04
						Cumulative:		3.8E-07				1.3E-01

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	SED-6 Risk Assessment
Submittal Date:	1/9/2026
Prepared By:	Madison Allen
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2A**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-6 Risk Assessment

Soil Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

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

Exposure Point Concentration (mg/kg)	Notes:	CAS Number	Chemical **For the chemicals highlighted in blue, data entry notes are provided in the PSRG Table link on the Main Menu**	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening	Background Value	Screening Toxicity Value (Screening Level) (n/c)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion
0.0586		67-64-1	Acetone			mg/kg	SED-6									
0.87	J	7664-41-7	Ammonia			mg/kg	SED-6									
0.976		7440-38-2	Arsenic, Inorganic			mg/kg	SED-6									
19.1		7440-39-3	Barium			mg/kg	SED-6									
0.103	J	7440-41-7	Beryllium and compounds			mg/kg	SED-6									
0.0924	J B	7440-43-9	Cadmium (Diet)			mg/kg	SED-6									
0.186	J *+	105-60-2	Caprolactam			mg/kg	SED-6									
7.22		16065-83-1	Chromium(III), Insoluble Salts			mg/kg	SED-6									
5.15		7440-48-4	Cobalt			mg/kg	SED-6									
9.53	B	7440-50-8	Copper			mg/kg	SED-6									
12.3	B	7439-92-1	~Lead and Compounds			mg/kg	SED-6									
122		7439-96-5	Manganese (Non-diet)			mg/kg	SED-6									
0.0274	J	7487-94-7	~Mercuric Chloride (and other Mercury salts)			mg/kg	SED-6									
15.3		7440-02-0	Nickel Soluble Salts			mg/kg	SED-6									
1.62	J	14797-55-8	Nitrate (measured as nitrogen)			mg/kg	SED-6									
0.304	J B	117-81-7	~Bis(2-ethylhexyl)phthalate			mg/kg	SED-6									
0.0583	J	56-55-3	~Benz[a]anthracene			mg/kg	SED-6									
0.0726	J	50-32-8	~Benzo[a]pyrene			mg/kg	SED-6									
0.121	J	205-99-2	~Benzo[b]fluoranthene			mg/kg	SED-6									
0.0755	J	218-01-9	~Chrysene			mg/kg	SED-6									
0.124	J	206-44-0	~Fluoranthene			mg/kg	SED-6									
0.0657	J	193-39-5	~Indeno[1,2,3-cd]pyrene			mg/kg	SED-6									
0.121	J	129-00-0	~Pyrene			mg/kg	SED-6									
0.00575	J B	7440-22-4	Silver			mg/kg	SED-6									
15.1		7440-62-2	Vanadium and Compounds			mg/kg	SED-6									
53.6		7440-66-6	Zinc and Compounds			mg/kg	SED-6									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-6 Risk Assessment

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

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

CAS #	Chemical Name:	Ingestion Concentration (mg/kg)	Dermal Concentration (mg/kg)	Inhalation Concentration (mg/kg)*	Ingestion Carcinogenic Risk	Dermal Carcinogenic Risk	Inhalation Carcinogenic Risk*	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Hazard Quotient	Inhalation Hazard Quotient*	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	0.0586	0.0586	0.0586					8.3E-07			8.3E-07
7664-41-7	Ammonia	0.87	0.87	0.87							2.8E-11	2.8E-11
7440-38-2	Arsenic, Inorganic	0.976	0.976	0.976	**1.3E-06**	1.8E-07	2.5E-11	1.4E-06	2.5E-02	3.0E-03	1.1E-06	2.8E-02
7440-39-3	Barium	19.1	19.1	19.1					1.2E-03		6.2E-07	1.2E-03
7440-41-7	Beryllium and compounds	0.103	0.103	0.103			1.5E-12	1.5E-12	6.6E-04		8.3E-08	6.6E-04
7440-43-9	Cadmium (Diet)	0.0924	0.0924	0.0924			1.0E-12	1.0E-12	1.2E-02	1.1E-03	1.5E-07	1.3E-02
105-60-2	Caprolactam	0.186	0.186	0.186					4.8E-06	1.1E-06	1.4E-09	5.9E-06
16065-83-1	Chromium(III), Insoluble Salts	7.22	7.22	7.22					6.2E-05			6.2E-05
7440-48-4	Cobalt	5.15	5.15	5.15			2.8E-10	2.8E-10	**2.2E-01**		1.4E-05	**2.2E-01**
7440-50-8	Copper	9.53	9.53	9.53					3.0E-03			3.0E-03
7439-92-1	~Lead and Compounds	12.3	12.3	12.3					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	122	122	122					6.5E-02		3.9E-05	6.5E-02
7487-94-7	~Mercuric Chloride (and other Mercury salts)	0.0274	0.0274	0.0274					1.2E-03		1.5E-09	1.2E-03
7440-02-0	Nickel Soluble Salts	15.3	15.3	15.3			2.4E-11	2.4E-11	9.8E-03		2.5E-05	9.8E-03
14797-55-8	Nitrate (measured as nitrogen)	1.62	1.62	1.62					1.3E-05			1.3E-05
117-81-7	~Bis(2-ethylhexyl)phthalate	0.304	0.304	0.304	6.1E-09	1.7E-09	4.4E-15	7.8E-09	1.9E-04	4.6E-05		2.4E-04
56-55-3	~Benz[a]anthracene	0.0583	0.0583	0.0583	3.8E-08	1.3E-08	7.4E-10	5.2E-08				
50-32-8	~Benzo[a]pyrene	0.0726	0.0726	0.0726	4.7E-07	1.6E-07	7.2E-13	6.3E-07	3.1E-03	9.5E-04	5.9E-07	4.0E-03
205-99-2	~Benzo[b]fluoranthene	0.121	0.121	0.121	7.9E-08	2.6E-08	1.2E-13	1.1E-07				
218-01-9	~Chrysene	0.0755	0.0755	0.0755	4.9E-10	1.6E-10	7.5E-16	6.6E-10				
206-44-0	~Fluoranthene	0.124	0.124	0.124					4.0E-05	1.2E-05		5.2E-05
193-39-5	~Indeno[1,2,3-cd]pyrene	0.0657	0.0657	0.0657	4.3E-08	1.4E-08	6.6E-14	5.7E-08				
129-00-0	~Pyrene	0.121	0.121	0.121					5.2E-05	1.6E-05		6.7E-05
7440-22-4	Silver	0.00575	0.00575	0.00575					1.5E-05			1.5E-05
7440-62-2	Vanadium and Compounds	15.1	15.1	15.1					3.8E-02		2.4E-06	3.8E-02
7440-66-6	Zinc and Compounds	53.6	53.6	53.6					2.3E-03			2.3E-03
						Cumulative:		2.3E-06				3.9E-01

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-6 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	2.3E-06	3.9E-01	NO
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	3.7E-07	2.6E-02	NO
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	9.8E-07	1.7E-01	NO
	Surface Water*	NC	NC	NC

VAPOR INTRUSION CALCULATORS

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

CONTAMINANT MIGRATION CALCULATORS

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

Notes:

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

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

DEQ Risk Calculator - Direct Contact - Non-Residential Worker Soil **Output Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-6 Risk Assessment

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

*** - Note that the EPA has no consensus on reference dose or cancer slope factor values for lead, therefore it is not possible to calculate cancer risk or hazard quotient. Lead concentrations are compared to the EPA screening level of 800 mg/kg for commercial/industrial soil.*

CAS #	Chemical Name:	Ingestion Concentration (mg/kg)	Dermal Concentration (mg/kg)	Inhalation Concentration (mg/kg)*	Ingestion Carcinogenic Risk	Dermal Carcinogenic Risk	Inhalation Carcinogenic Risk	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Hazard Quotient	Inhalation Hazard Quotient	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	0.0586	0.0586	0.0586					5.6E-08			5.6E-08
7664-41-7	Ammonia	0.87	0.87	0.87							6.7E-12	6.7E-12
7440-38-2	Arsenic, Inorganic	0.976	0.976	0.976	2.7E-07	5.7E-08	5.8E-12	3.3E-07	1.7E-03	3.5E-04	2.5E-07	2.0E-03
7440-39-3	Barium	19.1	19.1	19.1					8.2E-05		1.5E-07	8.2E-05
7440-41-7	Beryllium and compounds	0.103	0.103	0.103			3.4E-13	3.4E-13	4.4E-05		2.0E-08	4.4E-05
7440-43-9	Cadmium (Diet)	0.0924	0.0924	0.0924			2.3E-13	2.3E-13	7.9E-04	1.3E-04	3.6E-08	9.3E-04
105-60-2	Caprolactam	0.186	0.186	0.186					3.2E-07	1.3E-07	3.3E-10	4.5E-07
16065-83-1	Chromium(III), Insoluble Salts	7.22	7.22	7.22					4.1E-06			4.1E-06
7440-48-4	Cobalt	5.15	5.15	5.15			6.4E-11	6.4E-11	1.5E-02		3.3E-06	1.5E-02
7440-50-8	Copper	9.53	9.53	9.53					2.0E-04			2.0E-04
7439-92-1	~Lead and Compounds	12.3	12.3	12.3					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	122	122	122					4.4E-03		9.4E-06	4.4E-03
7487-94-7	~Mercuric Chloride (and other Mercury salts)	0.0274	0.0274	0.0274					7.8E-05		3.5E-10	7.8E-05
7440-02-0	Nickel Soluble Salts	15.3	15.3	15.3			5.5E-12	5.5E-12	6.5E-04		5.9E-06	6.6E-04
14797-55-8	Nitrate (measured as nitrogen)	1.62	1.62	1.62					8.7E-07			8.7E-07
117-81-7	~Bis(2-ethylhexyl)phthalate	0.304	0.304	0.304	1.3E-09	5.5E-10	1.0E-15	1.9E-09	1.3E-05	5.5E-06		1.9E-05
56-55-3	~Benz[a]anthracene	0.0583	0.0583	0.0583	1.8E-09	9.8E-10	6.1E-11	2.8E-09				
50-32-8	~Benzo[a]pyrene	0.0726	0.0726	0.0726	2.2E-08	1.2E-08	6.0E-14	3.4E-08	2.1E-04	1.1E-04	1.4E-07	3.2E-04
205-99-2	~Benzo[b]fluoranthene	0.121	0.121	0.121	3.7E-09	2.0E-09	1.0E-14	5.7E-09				
218-01-9	~Chrysene	0.0755	0.0755	0.0755	2.3E-11	1.3E-11	6.2E-17	3.6E-11				
206-44-0	~Fluoranthene	0.124	0.124	0.124					2.7E-06	1.5E-06		4.1E-06
193-39-5	~Indeno[1,2,3-cd]pyrene	0.0657	0.0657	0.0657	2.0E-09	1.1E-09	5.4E-15	3.1E-09				
129-00-0	~Pyrene	0.121	0.121	0.121					3.5E-06	1.9E-06		5.4E-06
7440-22-4	Silver	0.00575	0.00575	0.00575					9.8E-07			9.8E-07
7440-62-2	Vanadium and Compounds	15.1	15.1	15.1					2.6E-03		5.8E-07	2.6E-03
7440-66-6	Zinc and Compounds	53.6	53.6	53.6					1.5E-04			1.5E-04
						Cumulative:		3.7E-07				2.6E-02

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Soil **Output Form 2F**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-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	0.0586	0.0586	0.0586					3.6E-07			3.6E-07
7664-41-7	Ammonia	0.87	0.87	0.87							1.0E-12	1.0E-12
7440-38-2	Arsenic, Inorganic	0.976	0.976	0.976	5.4E-07	7.6E-08	9.0E-13	6.2E-07	1.1E-02	1.3E-03	3.8E-08	1.2E-02
7440-39-3	Barium	19.1	19.1	19.1					5.2E-04		2.2E-08	5.2E-04
7440-41-7	Beryllium and compounds	0.103	0.103	0.103			5.3E-14	5.3E-14	2.8E-04		3.0E-09	2.8E-04
7440-43-9	Cadmium (Diet)	0.0924	0.0924	0.0924			3.6E-14	3.6E-14	5.1E-03	4.8E-04	5.3E-09	5.5E-03
105-60-2	Caprolactam	0.186	0.186	0.186					2.0E-06	4.8E-07	4.9E-11	2.5E-06
16065-83-1	Chromium(III), Insoluble Salts	7.22	7.22	7.22					2.6E-05			2.6E-05
7440-48-4	Cobalt	5.15	5.15	5.15			9.9E-12	9.9E-12	9.4E-02		5.0E-07	9.4E-02
7440-50-8	Copper	9.53	9.53	9.53					1.3E-03			1.3E-03
7439-92-1	~Lead and Compounds	12.3	12.3	12.3					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	122	122	122					2.8E-02		1.4E-06	2.8E-02
7487-94-7	~Mercuric Chloride (and other Mercury salts)	0.0274	0.0274	0.0274					5.0E-04		5.3E-11	5.0E-04
7440-02-0	Nickel Soluble Salts	15.3	15.3	15.3			8.5E-13	8.5E-13	4.2E-03		8.8E-07	4.2E-03
14797-55-8	Nitrate (measured as nitrogen)	1.62	1.62	1.62					5.5E-06			5.5E-06
117-81-7	~Bis(2-ethylhexyl)phthalate	0.304	0.304	0.304	2.6E-09	7.4E-10	1.6E-16	3.4E-09	8.3E-05	2.0E-05		1.0E-04
56-55-3	~Benz[a]anthracene	0.0583	0.0583	0.0583	1.6E-08	5.4E-09	2.6E-11	2.2E-08				
50-32-8	~Benzo[a]pyrene	0.0726	0.0726	0.0726	2.0E-07	6.8E-08	2.6E-14	2.7E-07	1.3E-03	4.1E-04	2.1E-08	1.7E-03
205-99-2	~Benzo[b]fluoranthene	0.121	0.121	0.121	3.4E-08	1.1E-08	4.3E-15	4.5E-08				
218-01-9	~Chrysene	0.0755	0.0755	0.0755	2.1E-10	7.1E-11	2.7E-17	2.8E-10				
206-44-0	~Fluoranthene	0.124	0.124	0.124					1.7E-05	5.2E-06		2.2E-05
193-39-5	~Indeno[1,2,3-cd]pyrene	0.0657	0.0657	0.0657	1.8E-08	6.1E-09	2.3E-15	2.5E-08				
129-00-0	~Pyrene	0.121	0.121	0.121					2.2E-05	6.8E-06		2.9E-05
7440-22-4	Silver	0.00575	0.00575	0.00575					6.3E-06			6.3E-06
7440-62-2	Vanadium and Compounds	15.1	15.1	15.1					1.6E-02		8.7E-08	1.6E-02
7440-66-6	Zinc and Compounds	53.6	53.6	53.6					9.8E-04			9.8E-04
						Cumulative:		9.8E-07				1.7E-01

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	SED-7 Risk Assessment
Submittal Date:	1/9/2026
Prepared By:	Madison Allen
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2A**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-7 Risk Assessment

Soil Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

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

Exposure Point Concentration (mg/kg)	Notes:	CAS Number	Chemical **For the chemicals highlighted in blue, data entry notes are provided in the PSRG Table link on the Main Menu**	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening	Background Value	Screening Toxicity Value (Screening Level) (n/c)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion
0.0226	J	67-64-1	Acetone			mg/kg	SED-7									
0.206	J B	7440-36-0	Antimony (metallic)			mg/kg	SED-7									
0.787		7440-38-2	Arsenic, Inorganic			mg/kg	SED-7									
26.5		7440-39-3	Barium			mg/kg	SED-7									
0.172		7440-41-7	Beryllium and compounds			mg/kg	SED-7									
0.102		7440-43-9	Cadmium (Diet)			mg/kg	SED-7									
0.00329	J	75-15-0	Carbon Disulfide			mg/kg	SED-7									
4.87		16065-83-1	Chromium(III), Insoluble Salts			mg/kg	SED-7									
4.89		7440-48-4	Cobalt			mg/kg	SED-7									
13.5	B	7440-50-8	Copper			mg/kg	SED-7									
21.4	B	7439-92-1	~Lead and Compounds			mg/kg	SED-7									
115		7439-96-5	Manganese (Non-diet)			mg/kg	SED-7									
15.1		7440-02-0	Nickel Soluble Salts			mg/kg	SED-7									
1.69	J	14797-55-8	Nitrate (measured as nitrogen)			mg/kg	SED-7									
0.569	J B	117-81-7	~Bis(2-ethylhexyl)phthalate			mg/kg	SED-7									
0.14	J	120-12-7	~Anthracene			mg/kg	SED-7									
0.404	J	56-55-3	~Benz[a]anthracene			mg/kg	SED-7									
0.375	J	50-32-8	~Benzo[a]pyrene			mg/kg	SED-7									
0.534	J	205-99-2	~Benzo[b]fluoranthene			mg/kg	SED-7									
0.161	J	207-08-9	~Benzo[k]fluoranthene			mg/kg	SED-7									
0.393	J	218-01-9	~Chrysene			mg/kg	SED-7									
0.97		206-44-0	~Fluoranthene			mg/kg	SED-7									
0.268	J	193-39-5	~Indeno[1,2,3-cd]pyrene			mg/kg	SED-7									
0.827		129-00-0	~Pyrene			mg/kg	SED-7									
0.168	J	7782-49-2	Selenium			mg/kg	SED-7									
0.0135	J B	7440-22-4	Silver			mg/kg	SED-7									
12.2		7440-62-2	Vanadium and Compounds			mg/kg	SED-7									
65.1		7440-66-6	Zinc and Compounds			mg/kg	SED-7									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-7 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	5.5E-06	3.9E-01	NO
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	5.0E-07	2.6E-02	NO
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	2.4E-06	1.7E-01	NO
	Surface Water*	NC	NC	NC

VAPOR INTRUSION CALCULATORS

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

CONTAMINANT MIGRATION CALCULATORS

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

Notes:

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

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

DEQ Risk Calculator - Direct Contact - Non-Residential Worker Soil **Output Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-7 Risk Assessment

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

*** - Note that the EPA has no consensus on reference dose or cancer slope factor values for lead, therefore it is not possible to calculate cancer risk or hazard quotient. Lead concentrations are compared to the EPA screening level of 800 mg/kg for commercial/industrial soil.*

CAS #	Chemical Name:	Ingestion Concentration (mg/kg)	Dermal Concentration (mg/kg)	Inhalation Concentration (mg/kg)*	Ingestion Carcinogenic Risk	Dermal Carcinogenic Risk	Inhalation Carcinogenic Risk	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Hazard Quotient	Inhalation Hazard Quotient	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	0.0226	0.0226	0.0226					2.1E-08			2.1E-08
7440-36-0	Antimony (metallic)	0.206	0.206	0.206					4.4E-04		2.6E-09	4.4E-04
7440-38-2	Arsenic, Inorganic	0.787	0.787	0.787	2.2E-07	4.6E-08	4.7E-12	2.6E-07	1.3E-03	2.9E-04	2.0E-07	1.6E-03
7440-39-3	Barium	26.5	26.5	26.5					1.1E-04		2.0E-07	1.1E-04
7440-41-7	Beryllium and compounds	0.172	0.172	0.172			5.7E-13	5.7E-13	7.4E-05		3.3E-08	7.4E-05
7440-43-9	Cadmium (Diet)	0.102	0.102	0.102			2.5E-13	2.5E-13	8.7E-04	1.5E-04	3.9E-08	1.0E-03
75-15-0	Carbon Disulfide	0.00329	0.00329	0.00329					2.8E-08		3.4E-07	3.7E-07
16065-83-1	Chromium(III), Insoluble Salts	4.87	4.87	4.87					2.8E-06			2.8E-06
7440-48-4	Cobalt	4.89	4.89	4.89			6.0E-11	6.0E-11	1.4E-02		3.1E-06	1.4E-02
7440-50-8	Copper	13.5	13.5	13.5					2.9E-04			2.9E-04
7439-92-1	~Lead and Compounds	21.4	21.4	21.4					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	115	115	115					4.1E-03		8.9E-06	4.1E-03
7440-02-0	Nickel Soluble Salts	15.1	15.1	15.1			5.4E-12	5.4E-12	6.5E-04		5.8E-06	6.5E-04
14797-55-8	Nitrate (measured as nitrogen)	1.69	1.69	1.69					9.0E-07			9.0E-07
117-81-7	~Bis(2-ethylhexyl)phthalate	0.569	0.569	0.569	2.4E-09	1.0E-09	1.9E-15	3.5E-09	2.4E-05	1.0E-05		3.5E-05
120-12-7	~Anthracene	0.14	0.14	0.14					4.0E-07	2.2E-07		6.2E-07
56-55-3	~Benz[a]anthracene	0.404	0.404	0.404	1.2E-08	6.8E-09	4.2E-10	2.0E-08				
50-32-8	~Benzo[a]pyrene	0.375	0.375	0.375	1.1E-07	6.3E-08	3.1E-13	1.8E-07	1.1E-03	5.9E-04	7.2E-07	1.7E-03
205-99-2	~Benzo[b]fluoranthene	0.534	0.534	0.534	1.6E-08	9.0E-09	4.4E-14	2.5E-08				
207-08-9	~Benzo[k]fluoranthene	0.161	0.161	0.161	4.9E-10	2.7E-10	1.3E-15	7.6E-10				
218-01-9	~Chrysene	0.393	0.393	0.393	1.2E-10	6.6E-11	3.2E-16	1.9E-10				
206-44-0	~Fluoranthene	0.97	0.97	0.97					2.1E-05	1.1E-05		3.2E-05
193-39-5	~Indeno[1,2,3-cd]pyrene	0.268	0.268	0.268	8.2E-09	4.5E-09	2.2E-14	1.3E-08				
129-00-0	~Pyrene	0.827	0.827	0.827					2.4E-05	1.3E-05		3.7E-05
7782-49-2	Selenium	0.168	0.168	0.168					2.9E-05		3.2E-11	2.9E-05
7440-22-4	Silver	0.0135	0.0135	0.0135					2.3E-06			2.3E-06
7440-62-2	Vanadium and Compounds	12.2	12.2	12.2					2.1E-03		4.7E-07	2.1E-03
7440-66-6	Zinc and Compounds	65.1	65.1	65.1					1.9E-04			1.9E-04
						Cumulative:		5.0E-07				2.6E-02

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-7 Risk Assessment

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

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

CAS #	Chemical Name:	Ingestion Concentration (mg/kg)	Dermal Concentration (mg/kg)	Inhalation Concentration (mg/kg)*	Ingestion Carcinogenic Risk	Dermal Carcinogenic Risk	Inhalation Carcinogenic Risk*	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Hazard Quotient	Inhalation Hazard Quotient*	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	0.0226	0.0226	0.0226					3.2E-07			3.2E-07
7440-36-0	Antimony (metallic)	0.206	0.206	0.206					6.6E-03		1.1E-08	6.6E-03
7440-38-2	Arsenic, Inorganic	0.787	0.787	0.787	**1.0E-06**	1.4E-07	2.0E-11	1.2E-06	2.0E-02	2.4E-03	8.5E-07	2.3E-02
7440-39-3	Barium	26.5	26.5	26.5					1.7E-03		8.6E-07	1.7E-03
7440-41-7	Beryllium and compounds	0.172	0.172	0.172			2.5E-12	2.5E-12	1.1E-03		1.4E-07	1.1E-03
7440-43-9	Cadmium (Diet)	0.102	0.102	0.102			1.1E-12	1.1E-12	1.3E-02	1.2E-03	1.6E-07	1.4E-02
75-15-0	Carbon Disulfide	0.00329	0.00329	0.00329					4.2E-07		1.4E-06	1.9E-06
16065-83-1	Chromium(III), Insoluble Salts	4.87	4.87	4.87					4.2E-05			4.2E-05
7440-48-4	Cobalt	4.89	4.89	4.89			2.6E-10	2.6E-10	**2.1E-01**		1.3E-05	**2.1E-01**
7440-50-8	Copper	13.5	13.5	13.5					4.3E-03			4.3E-03
7439-92-1	~Lead and Compounds	21.4	21.4	21.4					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	115	115	115					6.1E-02		3.7E-05	6.1E-02
7440-02-0	Nickel Soluble Salts	15.1	15.1	15.1			2.4E-11	2.4E-11	9.7E-03		2.4E-05	9.7E-03
14797-55-8	Nitrate (measured as nitrogen)	1.69	1.69	1.69					1.4E-05			1.4E-05
117-81-7	~Bis(2-ethylhexyl)phthalate	0.569	0.569	0.569	1.1E-08	3.2E-09	8.2E-15	1.5E-08	3.6E-04	8.6E-05		4.5E-04
120-12-7	~Anthracene	0.14	0.14	0.14					6.0E-06	1.8E-06		7.8E-06
56-55-3	~Benz[a]anthracene	0.404	0.404	0.404	2.6E-07	8.8E-08	5.1E-09	3.6E-07				
50-32-8	~Benzo[a]pyrene	0.375	0.375	0.375	**2.4E-06**	8.2E-07	3.7E-12	3.3E-06	1.6E-02	4.9E-03	3.0E-06	2.1E-02
205-99-2	~Benzo[b]fluoranthene	0.534	0.534	0.534	3.5E-07	1.2E-07	5.3E-13	4.7E-07				
207-08-9	~Benzo[k]fluoranthene	0.161	0.161	0.161	1.1E-08	3.5E-09	1.6E-14	1.4E-08				
218-01-9	~Chrysene	0.393	0.393	0.393	2.6E-09	8.6E-10	3.9E-15	3.4E-09				
206-44-0	~Fluoranthene	0.97	0.97	0.97					3.1E-04	9.6E-05		4.1E-04
193-39-5	~Indeno[1,2,3-cd]pyrene	0.268	0.268	0.268	1.7E-07	5.8E-08	2.7E-13	2.3E-07				
129-00-0	~Pyrene	0.827	0.827	0.827					3.5E-04	1.1E-04		4.6E-04
7782-49-2	Selenium	0.168	0.168	0.168					4.3E-04		1.4E-10	4.3E-04
7440-22-4	Silver	0.0135	0.0135	0.0135					3.5E-05			3.5E-05
7440-62-2	Vanadium and Compounds	12.2	12.2	12.2					3.1E-02		2.0E-06	3.1E-02
7440-66-6	Zinc and Compounds	65.1	65.1	65.1					2.8E-03			2.8E-03
						Cumulative:		5.5E-06				3.9E-01

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Soil **Output Form 2F**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-7 Risk Assessment

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

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

Receptor Type:

CAS #	Chemical Name:	Ingestion Concentration (mg/kg)	Dermal Concentration (mg/kg)	Inhalation Concentration (mg/kg)*	Ingestion Carcinogenic Risk	Dermal Carcinogenic Risk	Inhalation Carcinogenic Risk	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Hazard Quotient	Inhalation Hazard Quotient	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	0.0226	0.0226	0.0226					1.4E-07			1.4E-07
7440-36-0	Antimony (metallic)	0.206	0.206	0.206					2.8E-03		4.0E-10	2.8E-03
7440-38-2	Arsenic, Inorganic	0.787	0.787	0.787	4.4E-07	6.1E-08	7.3E-13	5.0E-07	8.6E-03	1.0E-03	3.0E-08	9.6E-03
7440-39-3	Barium	26.5	26.5	26.5					7.3E-04		3.1E-08	7.3E-04
7440-41-7	Beryllium and compounds	0.172	0.172	0.172			8.9E-14	8.9E-14	4.7E-04		5.0E-09	4.7E-04
7440-43-9	Cadmium (Diet)	0.102	0.102	0.102			3.9E-14	3.9E-14	5.6E-03	5.3E-04	5.9E-09	6.1E-03
75-15-0	Carbon Disulfide	0.00329	0.00329	0.00329					1.8E-07		5.1E-08	2.3E-07
16065-83-1	Chromium(III), Insoluble Salts	4.87	4.87	4.87					1.8E-05			1.8E-05
7440-48-4	Cobalt	4.89	4.89	4.89			9.4E-12	9.4E-12	8.9E-02		4.7E-07	8.9E-02
7440-50-8	Copper	13.5	13.5	13.5					1.8E-03			1.8E-03
7439-92-1	~Lead and Compounds	21.4	21.4	21.4					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	115	115	115					2.6E-02		1.3E-06	2.6E-02
7440-02-0	Nickel Soluble Salts	15.1	15.1	15.1			8.4E-13	8.4E-13	4.1E-03		8.7E-07	4.1E-03
14797-55-8	Nitrate (measured as nitrogen)	1.69	1.69	1.69					5.8E-06			5.8E-06
117-81-7	~Bis(2-ethylhexyl)phthalate	0.569	0.569	0.569	4.9E-09	1.4E-09	2.9E-16	6.3E-09	1.6E-04	3.7E-05		1.9E-04
120-12-7	~Anthracene	0.14	0.14	0.14					2.6E-06	7.9E-07		3.3E-06
56-55-3	~Benz[a]anthracene	0.404	0.404	0.404	1.1E-07	3.8E-08	1.8E-10	1.5E-07				
50-32-8	~Benzo[a]pyrene	0.375	0.375	0.375	**1.0E-06**	3.5E-07	1.3E-13	**1.4E-06**	6.8E-03	2.1E-03	1.1E-07	9.0E-03
205-99-2	~Benzo[b]fluoranthene	0.534	0.534	0.534	1.5E-07	5.0E-08	1.9E-14	2.0E-07				
207-08-9	~Benzo[k]fluoranthene	0.161	0.161	0.161	4.5E-09	1.5E-09	5.7E-16	6.0E-09				
218-01-9	~Chrysene	0.393	0.393	0.393	1.1E-09	3.7E-10	1.4E-16	1.5E-09				
206-44-0	~Fluoranthene	0.97	0.97	0.97					1.3E-04	4.1E-05		1.7E-04
193-39-5	~Indeno[1,2,3-cd]pyrene	0.268	0.268	0.268	7.5E-08	2.5E-08	9.5E-15	1.0E-07				
129-00-0	~Pyrene	0.827	0.827	0.827					1.5E-04	4.7E-05		2.0E-04
7782-49-2	Selenium	0.168	0.168	0.168					1.8E-04		4.8E-12	1.8E-04
7440-22-4	Silver	0.0135	0.0135	0.0135					1.5E-05			1.5E-05
7440-62-2	Vanadium and Compounds	12.2	12.2	12.2					1.3E-02		7.0E-08	1.3E-02
7440-66-6	Zinc and Compounds	65.1	65.1	65.1					1.2E-03			1.2E-03
						Cumulative:		2.4E-06				1.7E-01

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	SED-8 Risk Assessment
Submittal Date:	1/9/2026
Prepared By:	Madison Allen
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2A**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-8 Risk Assessment

Soil Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

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

Exposure Point Concentration (mg/kg)	Notes:	CAS Number	Chemical **For the chemicals highlighted in blue, data entry notes are provided in the PSRG Table link on the Main Menu**	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening	Background Value	Screening Toxicity Value (Screening Level) (n/c)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion
0.0218		67-64-1	Acetone			mg/kg	SED-8									
1.23		7440-38-2	Arsenic, Inorganic			mg/kg	SED-8									
36.6		7440-39-3	Barium			mg/kg	SED-8									
0.00174		71-43-2	Benzene			mg/kg	SED-8									
0.164		7440-41-7	Beryllium and compounds			mg/kg	SED-8									
0.104		7440-43-9	Cadmium (Diet)			mg/kg	SED-8									
14.9		16065-83-1	Chromium(III), Insoluble Salts			mg/kg	SED-8									
5.61		7440-48-4	Cobalt			mg/kg	SED-8									
15.6		7440-50-8	Copper			mg/kg	SED-8									
0.00791		141-78-6	Ethyl Acetate			mg/kg	SED-8									
14.8		7439-92-1	~Lead and Compounds			mg/kg	SED-8									
129		7439-96-5	Manganese (Non-diet)			mg/kg	SED-8									
0.0189		75-09-2	Methylene Chloride			mg/kg	SED-8									
14.3		7440-02-0	Nickel Soluble Salts			mg/kg	SED-8									
2.03		14797-55-8	Nitrate (measured as nitrogen)			mg/kg	SED-8									
0.591		117-81-7	~Bis(2-ethylhexyl)phthalate			mg/kg	SED-8									
0.22		56-55-3	~Benz[a]anthracene			mg/kg	SED-8									
0.214		50-32-8	~Benzo[a]pyrene			mg/kg	SED-8									
0.28		205-99-2	~Benzo[b]fluoranthene			mg/kg	SED-8									
0.0928		207-08-9	~Benzo[k]fluoranthene			mg/kg	SED-8									
0.179		218-01-9	~Chrysene			mg/kg	SED-8									
0.486		206-44-0	~Fluoranthene			mg/kg	SED-8									
0.142		193-39-5	~Indeno[1,2,3-cd]pyrene			mg/kg	SED-8									
0.615		129-00-0	~Pyrene			mg/kg	SED-8									
0.151		7782-49-2	Selenium			mg/kg	SED-8									
0.00754		7440-22-4	Silver			mg/kg	SED-8									
22.1		7440-62-2	Vanadium and Compounds			mg/kg	SED-8									
55.4		7440-66-6	Zinc and Compounds			mg/kg	SED-8									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-8 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	4.3E-06	4.5E-01	NO
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	5.5E-07	3.0E-02	NO
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	1.8E-06	1.9E-01	NO
	Surface Water*	NC	NC	NC

VAPOR INTRUSION CALCULATORS

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

CONTAMINANT MIGRATION CALCULATORS

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

Notes:

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

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

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-8 Risk Assessment

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

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

CAS #	Chemical Name:	Ingestion Concentration (mg/kg)	Dermal Concentration (mg/kg)	Inhalation Concentration (mg/kg)*	Ingestion Carcinogenic Risk	Dermal Carcinogenic Risk	Inhalation Carcinogenic Risk*	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Hazard Quotient	Inhalation Hazard Quotient*	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	0.0218	0.0218	0.0218					3.1E-07			3.1E-07
7440-38-2	Arsenic, Inorganic	1.23	1.23	1.23	**1.6E-06**	2.2E-07	3.2E-11	1.8E-06	3.1E-02	3.7E-03	1.3E-06	3.5E-02
7440-39-3	Barium	36.6	36.6	36.6					2.3E-03		1.2E-06	2.3E-03
71-43-2	Benzene	0.00174	0.00174	0.00174	1.4E-10		1.3E-09	1.4E-09	5.6E-06		1.5E-05	2.0E-05
7440-41-7	Beryllium and compounds	0.164	0.164	0.164			2.4E-12	2.4E-12	1.0E-03		1.3E-07	1.0E-03
7440-43-9	Cadmium (Diet)	0.104	0.104	0.104			1.1E-12	1.1E-12	1.3E-02	1.3E-03	1.7E-07	1.5E-02
16065-83-1	Chromium(III), Insoluble Salts	14.9	14.9	14.9					1.3E-04			1.3E-04
7440-48-4	Cobalt	5.61	5.61	5.61			3.0E-10	3.0E-10	**2.4E-01**		1.5E-05	**2.4E-01**
7440-50-8	Copper	15.6	15.6	15.6					5.0E-03			5.0E-03
141-78-6	Ethyl Acetate	0.00791	0.00791	0.00791					1.4E-07		1.2E-05	1.2E-05
7439-92-1	~Lead and Compounds	14.8	14.8	14.8					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	129	129	129					6.9E-02		4.2E-05	6.9E-02
75-09-2	Methylene Chloride	0.0189	0.0189	0.0189	2.5E-10		5.9E-11	3.1E-10	4.0E-05		9.6E-06	5.0E-05
7440-02-0	Nickel Soluble Salts	14.3	14.3	14.3			2.2E-11	2.2E-11	9.1E-03		2.3E-05	9.2E-03
14797-55-8	Nitrate (measured as nitrogen)	2.03	2.03	2.03					1.6E-05			1.6E-05
117-81-7	~Bis(2-ethylhexyl)phthalate	0.591	0.591	0.591	1.2E-08	3.3E-09	8.5E-15	1.5E-08	3.8E-04	9.0E-05		4.7E-04
56-55-3	~Benz[a]anthracene	0.22	0.22	0.22	1.4E-07	4.8E-08	2.8E-09	1.9E-07				
50-32-8	~Benzo[a]pyrene	0.214	0.214	0.214	**1.4E-06**	4.7E-07	2.1E-12	1.9E-06	9.1E-03	2.8E-03	1.7E-06	1.2E-02
205-99-2	~Benzo[b]fluoranthene	0.28	0.28	0.28	1.8E-07	6.1E-08	2.8E-13	2.4E-07				
207-08-9	~Benzo[k]fluoranthene	0.0928	0.0928	0.0928	6.1E-09	2.0E-09	9.3E-15	8.1E-09				
218-01-9	~Chrysene	0.179	0.179	0.179	1.2E-09	3.9E-10	1.8E-15	1.6E-09				
206-44-0	~Fluoranthene	0.486	0.486	0.486					1.6E-04	4.8E-05		2.0E-04
193-39-5	~Indeno[1,2,3-cd]pyrene	0.142	0.142	0.142	9.3E-08	3.1E-08	1.4E-13	1.2E-07				
129-00-0	~Pyrene	0.615	0.615	0.615					2.6E-04	8.1E-05		3.4E-04
7782-49-2	Selenium	0.151	0.151	0.151					3.9E-04		1.2E-10	3.9E-04
7440-22-4	Silver	0.00754	0.00754	0.00754					1.9E-05			1.9E-05
7440-62-2	Vanadium and Compounds	22.1	22.1	22.1					5.6E-02		3.6E-06	5.6E-02
7440-66-6	Zinc and Compounds	55.4	55.4	55.4					2.4E-03			2.4E-03
						Cumulative:		4.3E-06				4.5E-01

DEQ Risk Calculator - Direct Contact - Non-Residential Worker Soil **Output Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-8 Risk Assessment

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

*** - Note that the EPA has no consensus on reference dose or cancer slope factor values for lead, therefore it is not possible to calculate cancer risk or hazard quotient. Lead concentrations are compared to the EPA screening level of 800 mg/kg for commercial/industrial soil.*

CAS #	Chemical Name:	Ingestion Concentration (mg/kg)	Dermal Concentration (mg/kg)	Inhalation Concentration (mg/kg)*	Ingestion Carcinogenic Risk	Dermal Carcinogenic Risk	Inhalation Carcinogenic Risk	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Hazard Quotient	Inhalation Hazard Quotient	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	0.0218	0.0218	0.0218					2.1E-08			2.1E-08
7440-38-2	Arsenic, Inorganic	1.23	1.23	1.23	3.4E-07	7.2E-08	7.3E-12	4.1E-07	2.1E-03	4.5E-04	3.2E-07	2.6E-03
7440-39-3	Barium	36.6	36.6	36.6					1.6E-04		2.8E-07	1.6E-04
71-43-2	Benzene	0.00174	0.00174	0.00174	2.9E-11		2.9E-10	3.2E-10	3.7E-07		3.5E-06	3.9E-06
7440-41-7	Beryllium and compounds	0.164	0.164	0.164			5.4E-13	5.4E-13	7.0E-05		3.2E-08	7.0E-05
7440-43-9	Cadmium (Diet)	0.104	0.104	0.104			2.6E-13	2.6E-13	8.9E-04	1.5E-04	4.0E-08	1.0E-03
16065-83-1	Chromium(III), Insoluble Salts	14.9	14.9	14.9					8.5E-06			8.5E-06
7440-48-4	Cobalt	5.61	5.61	5.61			6.9E-11	6.9E-11	1.6E-02		3.6E-06	1.6E-02
7440-50-8	Copper	15.6	15.6	15.6					3.3E-04			3.3E-04
141-78-6	Ethyl Acetate	0.00791	0.00791	0.00791					9.7E-09		2.8E-06	2.8E-06
7439-92-1	~Lead and Compounds	14.8	14.8	14.8					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	129	129	129					4.6E-03		9.9E-06	4.6E-03
75-09-2	Methylene Chloride	0.0189	0.0189	0.0189	1.2E-11		4.9E-12	1.6E-11	2.7E-06		2.3E-06	5.0E-06
7440-02-0	Nickel Soluble Salts	14.3	14.3	14.3			5.1E-12	5.1E-12	6.1E-04		5.5E-06	6.2E-04
14797-55-8	Nitrate (measured as nitrogen)	2.03	2.03	2.03					1.1E-06			1.1E-06
117-81-7	~Bis(2-ethylhexyl)phthalate	0.591	0.591	0.591	2.5E-09	1.1E-09	1.9E-15	3.6E-09	2.5E-05	1.1E-05		3.6E-05
56-55-3	~Benz[a]anthracene	0.22	0.22	0.22	6.7E-09	3.7E-09	2.3E-10	1.1E-08				
50-32-8	~Benzo[a]pyrene	0.214	0.214	0.214	6.5E-08	3.6E-08	1.8E-13	1.0E-07	6.1E-04	3.4E-04	4.1E-07	9.5E-04
205-99-2	~Benzo[b]fluoranthene	0.28	0.28	0.28	8.6E-09	4.7E-09	2.3E-14	1.3E-08				
207-08-9	~Benzo[k]fluoranthene	0.0928	0.0928	0.0928	2.8E-10	1.6E-10	7.7E-16	4.4E-10				
218-01-9	~Chrysene	0.179	0.179	0.179	5.5E-11	3.0E-11	1.5E-16	8.5E-11				
206-44-0	~Fluoranthene	0.486	0.486	0.486					1.0E-05	5.7E-06		1.6E-05
193-39-5	~Indeno[1,2,3-cd]pyrene	0.142	0.142	0.142	4.3E-09	2.4E-09	1.2E-14	6.7E-09				
129-00-0	~Pyrene	0.615	0.615	0.615					1.8E-05	9.7E-06		2.7E-05
7782-49-2	Selenium	0.151	0.151	0.151					2.6E-05		2.9E-11	2.6E-05
7440-22-4	Silver	0.00754	0.00754	0.00754					1.3E-06			1.3E-06
7440-62-2	Vanadium and Compounds	22.1	22.1	22.1					3.8E-03		8.5E-07	3.8E-03
7440-66-6	Zinc and Compounds	55.4	55.4	55.4					1.6E-04			1.6E-04
						Cumulative:		5.5E-07				3.0E-02

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Soil **Output Form 2F**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-8 Risk Assessment

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

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

Receptor Type:

CAS #	Chemical Name:	Ingestion Concentration (mg/kg)	Dermal Concentration (mg/kg)	Inhalation Concentration (mg/kg)*	Ingestion Carcinogenic Risk	Dermal Carcinogenic Risk	Inhalation Carcinogenic Risk	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Hazard Quotient	Inhalation Hazard Quotient	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	0.0218	0.0218	0.0218					1.3E-07			1.3E-07
7440-38-2	Arsenic, Inorganic	1.23	1.23	1.23	6.8E-07	9.6E-08	1.1E-12	7.8E-07	1.3E-02	1.6E-03	4.7E-08	1.5E-02
7440-39-3	Barium	36.6	36.6	36.6					1.0E-03		4.2E-08	1.0E-03
71-43-2	Benzene	0.00174	0.00174	0.00174	5.9E-11		4.6E-11	1.0E-10	2.4E-06		5.3E-07	2.9E-06
7440-41-7	Beryllium and compounds	0.164	0.164	0.164			8.4E-14	8.4E-14	4.5E-04		4.7E-09	4.5E-04
7440-43-9	Cadmium (Diet)	0.104	0.104	0.104			4.0E-14	4.0E-14	5.7E-03	5.4E-04	6.0E-09	6.2E-03
16065-83-1	Chromium(III), Insoluble Salts	14.9	14.9	14.9					5.4E-05			5.4E-05
7440-48-4	Cobalt	5.61	5.61	5.61			1.1E-11	1.1E-11	1.0E-01		5.4E-07	1.0E-01
7440-50-8	Copper	15.6	15.6	15.6					2.1E-03			2.1E-03
141-78-6	Ethyl Acetate	0.00791	0.00791	0.00791					6.2E-08		4.2E-07	4.8E-07
7439-92-1	~Lead and Compounds	14.8	14.8	14.8					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	129	129	129					2.9E-02		1.5E-06	2.9E-02
75-09-2	Methylene Chloride	0.0189	0.0189	0.0189	1.1E-10		2.1E-12	1.1E-10	1.7E-05		3.4E-07	1.8E-05
7440-02-0	Nickel Soluble Salts	14.3	14.3	14.3			8.0E-13	8.0E-13	3.9E-03		8.3E-07	3.9E-03
14797-55-8	Nitrate (measured as nitrogen)	2.03	2.03	2.03					7.0E-06			7.0E-06
117-81-7	~Bis(2-ethylhexyl)phthalate	0.591	0.591	0.591	5.1E-09	1.4E-09	3.0E-16	6.5E-09	1.6E-04	3.8E-05		2.0E-04
56-55-3	~Benz[a]anthracene	0.22	0.22	0.22	6.2E-08	2.1E-08	9.9E-11	8.2E-08				
50-32-8	~Benzo[a]pyrene	0.214	0.214	0.214	6.0E-07	2.0E-07	7.6E-14	8.0E-07	3.9E-03	1.2E-03	6.2E-08	5.1E-03
205-99-2	~Benzo[b]fluoranthene	0.28	0.28	0.28	7.8E-08	2.6E-08	1.0E-14	1.0E-07				
207-08-9	~Benzo[k]fluoranthene	0.0928	0.0928	0.0928	2.6E-09	8.7E-10	3.3E-16	3.5E-09				
218-01-9	~Chrysene	0.179	0.179	0.179	5.0E-10	1.7E-10	6.4E-17	6.7E-10				
206-44-0	~Fluoranthene	0.486	0.486	0.486					6.7E-05	2.1E-05		8.7E-05
193-39-5	~Indeno[1,2,3-cd]pyrene	0.142	0.142	0.142	4.0E-08	1.3E-08	5.1E-15	5.3E-08				
129-00-0	~Pyrene	0.615	0.615	0.615					1.1E-04	3.5E-05		1.5E-04
7782-49-2	Selenium	0.151	0.151	0.151					1.7E-04		4.4E-12	1.7E-04
7440-22-4	Silver	0.00754	0.00754	0.00754					8.3E-06			8.3E-06
7440-62-2	Vanadium and Compounds	22.1	22.1	22.1					2.4E-02		1.3E-07	2.4E-02
7440-66-6	Zinc and Compounds	55.4	55.4	55.4					1.0E-03			1.0E-03
						Cumulative:		1.8E-06				1.9E-01

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	SED-9 Risk Assessment
Submittal Date:	1/9/2026
Prepared By:	Madison Allen
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2A**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-9 Risk Assessment

Soil Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

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

Exposure Point Concentration (mg/kg)	Notes:	CAS Number	Chemical **For the chemicals highlighted in blue, data entry notes are provided in the PSRG Table link on the Main Menu**	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening	Background Value	Screening Toxicity Value (Screening Level) (n/c)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion
0.0248	J	67-64-1	Acetone			mg/kg	SED-9									
0.217		7440-36-0	Antimony (metallic)			mg/kg	SED-9									
0.839		7440-38-2	Arsenic, Inorganic			mg/kg	SED-9									
15.4		7440-39-3	Barium			mg/kg	SED-9									
0.139		7440-41-7	Beryllium and compounds			mg/kg	SED-9									
0.108		7440-43-9	Cadmium (Diet)			mg/kg	SED-9									
0.131		18540-29-9	Chromium(VI)			mg/kg	SED-9									
3.47		7440-48-4	Cobalt			mg/kg	SED-9									
10.2		7440-50-8	Copper			mg/kg	SED-9									
13.4		7439-92-1	~Lead and Compounds			mg/kg	SED-9									
87.4		7439-96-5	Manganese (Non-diet)			mg/kg	SED-9									
9.73		7440-02-0	Nickel Soluble Salts			mg/kg	SED-9									
1.36	J	14797-55-8	Nitrate (measured as nitrogen)			mg/kg	SED-9									
0.638	J B	117-81-7	~Bis(2-ethylhexyl)phthalate			mg/kg	SED-9									
0.676	J	85-68-7	~Butyl Benzyl Phthalate			mg/kg	SED-9									
0.31	J	56-55-3	~Benz[a]anthracene			mg/kg	SED-9									
0.314	J	50-32-8	~Benzo[a]pyrene			mg/kg	SED-9									
0.452	J	205-99-2	~Benzo[b]fluoranthene			mg/kg	SED-9									
0.143	J	207-08-9	~Benzo[k]fluoranthene			mg/kg	SED-9									
0.341	J	218-01-9	~Chrysene			mg/kg	SED-9									
0.755		206-44-0	~Fluoranthene			mg/kg	SED-9									
0.22		193-39-5	~Indeno[1,2,3-cd]pyrene			mg/kg	SED-9									
0.085	J	91-57-6	~Methylnaphthalene, 2-			mg/kg	SED-9									
0.286	J	91-20-3	~Naphthalene			mg/kg	SED-9									
0.64		129-00-0	~Pyrene			mg/kg	SED-9									
0.384	J	7782-49-2	Selenium			mg/kg	SED-9									
0.0146		7440-22-4	Silver			mg/kg	SED-9									
0.0393		7440-28-0	Thallium (Soluble Salts)			mg/kg	SED-9									
11		7440-62-2	Vanadium and Compounds			mg/kg	SED-9									
49.8		7440-66-6	Zinc and Compounds			mg/kg	SED-9									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-9 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	5.1E-06	3.6E-01	NO
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	5.2E-07	2.5E-02	NO
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	2.2E-06	1.5E-01	NO
	Surface Water*	NC	NC	NC

VAPOR INTRUSION CALCULATORS

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

CONTAMINANT MIGRATION CALCULATORS

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

Notes:

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

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

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-9 Risk Assessment

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

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

CAS #	Chemical Name:	Ingestion Concentration (mg/kg)	Dermal Concentration (mg/kg)	Inhalation Concentration (mg/kg)*	Ingestion Carcinogenic Risk	Dermal Carcinogenic Risk	Inhalation Carcinogenic Risk*	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Hazard Quotient	Inhalation Hazard Quotient*	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	0.0248	0.0248	0.0248					3.5E-07			3.5E-07
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	0.839	0.839	0.839	**1.1E-06**	1.5E-07	2.2E-11	1.2E-06	2.1E-02	2.5E-03	9.0E-07	2.4E-02
7440-39-3	Barium	15.4	15.4	15.4					9.8E-04		5.0E-07	9.8E-04
7440-41-7	Beryllium and compounds	0.139	0.139	0.139			2.0E-12	2.0E-12	8.9E-04		1.1E-07	8.9E-04
7440-43-9	Cadmium (Diet)	0.108	0.108	0.108			1.2E-12	1.2E-12	1.4E-02	1.3E-03	1.7E-07	1.5E-02
18540-29-9	Chromium(VI)	0.131	0.131	0.131	1.4E-07		2.4E-11	1.4E-07	1.9E-03		7.1E-08	1.9E-03
7440-48-4	Cobalt	3.47	3.47	3.47			1.9E-10	1.9E-10	1.5E-01		9.3E-06	1.5E-01
7440-50-8	Copper	10.2	10.2	10.2					3.3E-03			3.3E-03
7439-92-1	~Lead and Compounds	13.4	13.4	13.4					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	87.4	87.4	87.4					4.7E-02		2.8E-05	4.7E-02
7440-02-0	Nickel Soluble Salts	9.73	9.73	9.73			1.5E-11	1.5E-11	6.2E-03		1.6E-05	6.2E-03
14797-55-8	Nitrate (measured as nitrogen)	1.36	1.36	1.36					1.1E-05			1.1E-05
117-81-7	~Bis(2-ethylhexyl)phthalate	0.638	0.638	0.638	1.3E-08	3.6E-09	9.2E-15	1.6E-08	4.1E-04	9.7E-05		5.0E-04
85-68-7	~Butyl Benzyl Phthalate	0.676	0.676	0.676	1.8E-09	5.2E-10		2.4E-09	4.3E-05	1.0E-05		5.3E-05
56-55-3	~Benz[a]anthracene	0.31	0.31	0.31	2.0E-07	6.8E-08	3.9E-09	2.7E-07				
50-32-8	~Benzo[a]pyrene	0.314	0.314	0.314	**2.1E-06**	6.8E-07	3.1E-12	2.7E-06	1.3E-02	4.1E-03	2.5E-06	1.8E-02
205-99-2	~Benzo[b]fluoranthene	0.452	0.452	0.452	3.0E-07	9.8E-08	4.5E-13	3.9E-07				
207-08-9	~Benzo[k]fluoranthene	0.143	0.143	0.143	9.3E-09	3.1E-09	1.4E-14	1.2E-08				
218-01-9	~Chrysene	0.341	0.341	0.341	2.2E-09	7.4E-10	3.4E-15	3.0E-09				
206-44-0	~Fluoranthene	0.755	0.755	0.755					2.4E-04	7.4E-05		3.2E-04
193-39-5	~Indeno[1,2,3-cd]pyrene	0.22	0.22	0.22	1.4E-07	4.8E-08	2.2E-13	1.9E-07				
91-57-6	~Methylnaphthalene, 2-	0.085	0.085	0.085					2.7E-04	8.4E-05		3.6E-04
91-20-3	~Naphthalene	0.286	0.286	0.286	4.9E-08	1.8E-08	7.0E-08	1.4E-07	1.8E-04	5.6E-05	1.9E-03	2.1E-03
129-00-0	~Pyrene	0.64	0.64	0.64					2.7E-04	8.4E-05		3.6E-04
7782-49-2	Selenium	0.384	0.384	0.384					9.8E-04		3.1E-10	9.8E-04
7440-22-4	Silver	0.0146	0.0146	0.0146					3.7E-05			3.7E-05
7440-28-0	Thallium (Soluble Salts)	0.0393	0.0393	0.0393					5.0E-02			5.0E-02
7440-62-2	Vanadium and Compounds	11	11	11					2.8E-02		1.8E-06	2.8E-02
7440-66-6	Zinc and Compounds	49.8	49.8	49.8					2.1E-03			2.1E-03
						Cumulative:		5.1E-06				3.6E-01

DEQ Risk Calculator - Direct Contact - Non-Residential Worker Soil **Output Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-9 Risk Assessment

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

*** - Note that the EPA has no consensus on reference dose or cancer slope factor values for lead, therefore it is not possible to calculate cancer risk or hazard quotient. Lead concentrations are compared to the EPA screening level of 800 mg/kg for commercial/industrial soil.*

CAS #	Chemical Name:	Ingestion Concentration (mg/kg)	Dermal Concentration (mg/kg)	Inhalation Concentration (mg/kg)*	Ingestion Carcinogenic Risk	Dermal Carcinogenic Risk	Inhalation Carcinogenic Risk	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Hazard Quotient	Inhalation Hazard Quotient	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	0.0248	0.0248	0.0248					2.4E-08			2.4E-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	0.839	0.839	0.839	2.3E-07	4.9E-08	5.0E-12	2.8E-07	1.4E-03	3.0E-04	2.2E-07	1.7E-03
7440-39-3	Barium	15.4	15.4	15.4					6.6E-05		1.2E-07	6.6E-05
7440-41-7	Beryllium and compounds	0.139	0.139	0.139			4.6E-13	4.6E-13	6.0E-05		2.7E-08	6.0E-05
7440-43-9	Cadmium (Diet)	0.108	0.108	0.108			2.7E-13	2.7E-13	9.2E-04	1.6E-04	4.2E-08	1.1E-03
18540-29-9	Chromium(VI)	0.131	0.131	0.131	6.4E-09		2.0E-12	6.4E-09	1.2E-04		1.7E-08	1.2E-04
7440-48-4	Cobalt	3.47	3.47	3.47			4.3E-11	4.3E-11	9.9E-03		2.2E-06	9.9E-03
7440-50-8	Copper	10.2	10.2	10.2					2.2E-04			2.2E-04
7439-92-1	~Lead and Compounds	13.4	13.4	13.4					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	87.4	87.4	87.4					3.1E-03		6.7E-06	3.1E-03
7440-02-0	Nickel Soluble Salts	9.73	9.73	9.73			3.5E-12	3.5E-12	4.2E-04		3.7E-06	4.2E-04
14797-55-8	Nitrate (measured as nitrogen)	1.36	1.36	1.36					7.3E-07			7.3E-07
117-81-7	~Bis(2-ethylhexyl)phthalate	0.638	0.638	0.638	2.7E-09	1.2E-09	2.1E-15	3.9E-09	2.7E-05	1.2E-05		3.9E-05
85-68-7	~Butyl Benzyl Phthalate	0.676	0.676	0.676	3.9E-10	1.7E-10		5.6E-10	2.9E-06	1.2E-06		4.1E-06
56-55-3	~Benz[a]anthracene	0.31	0.31	0.31	9.5E-09	5.2E-09	3.2E-10	1.5E-08				
50-32-8	~Benzo[a]pyrene	0.314	0.314	0.314	9.6E-08	5.3E-08	2.6E-13	1.5E-07	9.0E-04	4.9E-04	6.0E-07	1.4E-03
205-99-2	~Benzo[b]fluoranthene	0.452	0.452	0.452	1.4E-08	7.6E-09	3.7E-14	2.1E-08				
207-08-9	~Benzo[k]fluoranthene	0.143	0.143	0.143	4.4E-10	2.4E-10	1.2E-15	6.8E-10				
218-01-9	~Chrysene	0.341	0.341	0.341	1.0E-10	5.7E-11	2.8E-16	1.6E-10				
206-44-0	~Fluoranthene	0.755	0.755	0.755					1.6E-05	8.9E-06		2.5E-05
193-39-5	~Indeno[1,2,3-cd]pyrene	0.22	0.22	0.22	6.7E-09	3.7E-09	1.8E-14	1.0E-08				
91-57-6	~Methylnaphthalene, 2-	0.085	0.085	0.085					1.8E-05	1.0E-05		2.8E-05
91-20-3	~Naphthalene	0.286	0.286	0.286	1.0E-08	5.8E-09	1.6E-08	3.2E-08	1.2E-05	6.7E-06	4.4E-04	4.6E-04
129-00-0	~Pyrene	0.64	0.64	0.64					1.8E-05	1.0E-05		2.8E-05
7782-49-2	Selenium	0.384	0.384	0.384					6.6E-05		7.4E-11	6.6E-05
7440-22-4	Silver	0.0146	0.0146	0.0146					2.5E-06			2.5E-06
7440-28-0	Thallium (Soluble Salts)	0.0393	0.0393	0.0393					3.4E-03			3.4E-03
7440-62-2	Vanadium and Compounds	11	11	11					1.9E-03		4.2E-07	1.9E-03
7440-66-6	Zinc and Compounds	49.8	49.8	49.8					1.4E-04			1.4E-04
						Cumulative:		5.2E-07				2.5E-02

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Soil **Output Form 2F**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-9 Risk Assessment

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

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

Receptor Type:

CAS #	Chemical Name:	Ingestion Concentration (mg/kg)	Dermal Concentration (mg/kg)	Inhalation Concentration (mg/kg)*	Ingestion Carcinogenic Risk	Dermal Carcinogenic Risk	Inhalation Carcinogenic Risk	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Hazard Quotient	Inhalation Hazard Quotient	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	0.0248	0.0248	0.0248					1.5E-07			1.5E-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	0.839	0.839	0.839	4.7E-07	6.5E-08	7.7E-13	5.3E-07	9.2E-03	1.1E-03	3.2E-08	1.0E-02
7440-39-3	Barium	15.4	15.4	15.4					4.2E-04		1.8E-08	4.2E-04
7440-41-7	Beryllium and compounds	0.139	0.139	0.139			7.2E-14	7.2E-14	3.8E-04		4.0E-09	3.8E-04
7440-43-9	Cadmium (Diet)	0.108	0.108	0.108			4.2E-14	4.2E-14	5.9E-03	5.6E-04	6.2E-09	6.5E-03
18540-29-9	Chromium(VI)	0.131	0.131	0.131	5.9E-08		8.6E-13	5.9E-08	8.0E-04		2.5E-09	8.0E-04
7440-48-4	Cobalt	3.47	3.47	3.47			6.7E-12	6.7E-12	6.3E-02		3.3E-07	6.3E-02
7440-50-8	Copper	10.2	10.2	10.2					1.4E-03			1.4E-03
7439-92-1	~Lead and Compounds	13.4	13.4	13.4					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	87.4	87.4	87.4					2.0E-02		1.0E-06	2.0E-02
7440-02-0	Nickel Soluble Salts	9.73	9.73	9.73			5.4E-13	5.4E-13	2.7E-03		5.6E-07	2.7E-03
14797-55-8	Nitrate (measured as nitrogen)	1.36	1.36	1.36					4.7E-06			4.7E-06
117-81-7	~Bis(2-ethylhexyl)phthalate	0.638	0.638	0.638	5.5E-09	1.5E-09	3.3E-16	7.1E-09	1.7E-04	4.1E-05		2.2E-04
85-68-7	~Butyl Benzyl Phthalate	0.676	0.676	0.676	7.9E-10	2.2E-10		1.0E-09	1.9E-05	4.4E-06		2.3E-05
56-55-3	~Benz[a]anthracene	0.31	0.31	0.31	8.7E-08	2.9E-08	1.4E-10	1.2E-07				
50-32-8	~Benzo[a]pyrene	0.314	0.314	0.314	8.8E-07	2.9E-07	1.1E-13	**1.2E-06**	5.7E-03	1.8E-03	9.1E-08	7.5E-03
205-99-2	~Benzo[b]fluoranthene	0.452	0.452	0.452	1.3E-07	4.2E-08	1.6E-14	1.7E-07				
207-08-9	~Benzo[k]fluoranthene	0.143	0.143	0.143	4.0E-09	1.3E-09	5.1E-16	5.3E-09				
218-01-9	~Chrysene	0.341	0.341	0.341	9.5E-10	3.2E-10	1.2E-16	1.3E-09				
206-44-0	~Fluoranthene	0.755	0.755	0.755					1.0E-04	3.2E-05		1.4E-04
193-39-5	~Indeno[1,2,3-cd]pyrene	0.22	0.22	0.22	6.2E-08	2.1E-08	7.8E-15	8.2E-08				
91-57-6	~Methylnaphthalene, 2-	0.085	0.085	0.085					1.2E-04	3.6E-05		1.5E-04
91-20-3	~Naphthalene	0.286	0.286	0.286	2.1E-08	7.7E-09	2.5E-09	3.1E-08	7.8E-05	2.4E-05	6.6E-05	1.7E-04
129-00-0	~Pyrene	0.64	0.64	0.64					1.2E-04	3.6E-05		1.5E-04
7782-49-2	Selenium	0.384	0.384	0.384					4.2E-04		1.1E-11	4.2E-04
7440-22-4	Silver	0.0146	0.0146	0.0146					1.6E-05			1.6E-05
7440-28-0	Thallium (Soluble Salts)	0.0393	0.0393	0.0393					2.2E-02			2.2E-02
7440-62-2	Vanadium and Compounds	11	11	11					1.2E-02		6.3E-08	1.2E-02
7440-66-6	Zinc and Compounds	49.8	49.8	49.8					9.1E-04			9.1E-04
						Cumulative:		2.2E-06				1.5E-01