Remedial Investigation Report
City of Durham Parks – Lyon Park, NONCD0000822
Durham, Durham County, North Carolina
Task Order RI-8
S&ME Project No. 23050630

PREPARED FOR:

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

PREPARED BY:

S&ME, Inc.
3201 Spring Forest Road
Raleigh, NC 27616
January 12, 2026

January 12, 2026

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

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

Reference: **Remedial Investigation-Soil Gas, Groundwater & Surface Water/Sediment Report**
Lyon Park – 1101 Cornell Street & 1200 W. Lakewood Avenue
Durham, Durham County, North Carolina
NCDEQ ID No. NONCD0000822
NCDEQ Task Orders 822RI-8
S&ME Project No. 23050630

Dear Mr. Kelt:

S&ME, Inc. (S&ME) is submitting this report summarizing the results of the Remedial Investigation Waste Delineation activities conducted at the above-referenced site in Durham, North Carolina. S&ME completed this investigation in general conformance with S&ME Proposal No. 23050630, dated February 17, 2025, for Task Order 822RI-8 under the terms of Contract Number N42621-B, dated January 4, 2022, between NCDEQ and S&ME.

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

Sincerely,

S&ME, Inc.

Staff Geologist
BrandonGoverno@smeinc.com

Senior Project Manager
jpaul@smeinc.com

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

Attachment: Remedial Investigation Report

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1.0 Summary of Current Investigation

S&ME completed the following Scope of Services listed below for this investigation in general conformance with S&ME Proposal No. 23050630, dated March 13, 2025, for Task Orders 822RI-8 under the terms of Contract Number N42621-B, dated January 4, 2022, between NCDEQ and S&ME.

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

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

2.0 Landfill Gas Assessment

2.1 Soil Gas Probe and Implant Installation

On August 14, 2025, nine Landfill Gas Probes (LFGP) and one Landfill Gas Implant (LFGI) were installed using a track mounted Geoprobe® unit (7822 DT) outfitted with six-inch diameter rods. S&ME personnel screened the soil for VOCs during installation of the soil gas probes and implants. No visual indications of contamination or elevated organic vapors were noted during installation.

Landfill Gas Probes were installed to depths of 4 to 11 feet below ground surface (ft-bgs), and the Landfill Gas Implant was installed to a depth of 4 ft-bgs. Once the total depth of the probes were determined, a 1-inch diameter 1 to 5-foot-long section of PVC 0.010-inch slotted screen was installed. The screen with PVC well riser casing was installed from the top of the well screen up to the ground surface. A sand pack of #2 filter sand was placed in the annulus between the borehole wall and the well screen up to approximately two feet above the top of the well screen. A bentonite seal was then installed up to approximately two feet above the top of the sand pack for all probes. Implants were placed at the bottom of the boring and a sand pack of #2 filter sand one foot above the implant. Granular bentonite was then used to seal the boring from the sand pack to the ground surface. The LFGP and LFGI construction details are presented in **Table 1** and the location of the LFGP's are shown in **Figure 1**. The Coordinates of Selected Features are included in **Appendix I.**

2.2 Field Screening Methods

On August 19, 2025, landfill gas and offsite soil gas probes and implants that did not have high water levels were screened for landfill gas. **Figure 2** shows the data from the field screening event. Portable meters were used to collect the following parameters at each soil gas probe, soil gas implant and background screening location:

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

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

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

2.3 Landfill Gas Screening Results

2.3.1 Volatile Organic Compounds

VOCs were only detected in LFGP-6 and LFGP-7 but not in any of the other screening locations. Concentrations during the screening event were 0.4 parts per million by volume (ppm-v) and 29.9 ppm-v respectively.

2.3.2 Methane

During the screening event, methane was not detected at any of the LFGPs. The GEM5000 manufacturer specifies an approximate accuracy range of +/- 0.3% of the displayed reading for methane concentrations between 0% and 5%.

2.3.3 Hydrogen Sulfide

During the screening event, hydrogen sulfide was not detected at any of the LFGPs. The GEM5000 manufacturer specifies an approximate accuracy range of +/- 2.0% of the displayed reading for hydrogen sulfide concentrations between 0 – 500 ppm-v.

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

2.4 Landfill Gas Sampling

On September 3, 2025, through September 4, 2025, S&ME personnel used batch-certified sampling canisters to collect samples (including duplicate samples) from ten landfill gas probes and implants for laboratory analysis of VOCs by EPA Method TO-15, Methane by ASTM Method D1946, and Hydrogen sulfide by EPA Method TO-15.

2.4.1 Shut-in Testing

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

2.4.2 Helium Leak Testing

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

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

2.4.3 Purging and Sampling

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

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

2.5 Landfill Gas Sample Results

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

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

The laboratory reported detections of multiple VOCs and other analytes in the landfill gas samples. The NCDEQ Risk Calculator was used to assess the risk of the soil gas to the indoor air pathway. The Residential Receptor Risk was not exceeded at any sample location. Hydrogen Sulfide was detected at LFGP-6 and LFGP-7 sample locations. Hydrogen Sulfide detections were below the lower explosive limit (LEL). Methane was also detected at LFGP-6 and LFGP-7. Methane detections were below the associated lower explosive limit (LEL). See **Section 5.0** for the Risk Calculator details.

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

3.0 Groundwater Assessment

3.1 Monitoring Well Elevation Measuring

On August 14, 2025, seven groundwater monitor wells (MW-1 through MW-7) were installed using a track mounted Geoprobe® unit (7822 DT) outfitted with six-inch diameter rods. S&ME personnel screened the soil for VOCs during installation of the monitor wells. No visual indications of contamination or elevated organic vapors were noted during the installation of the monitoring wells.

The monitor wells were installed to depths of 25.5 to 46 ft-bgs. Once the total depth of the monitor wells was determined, a 2-inch diameter 10-foot-long section of PVC 0.010-inch slotted well screen was installed with PVC well riser casing installed from the top of the well screen up to two feet above ground surface. A sand pack of #2 filter sand was placed in the annulus between the borehole wall and the well screen up to approximately two feet above the top of the well screen. A bentonite seal was then installed up to approximately two feet above the top of the sand pack. Prior to placing the bentonite in the annulus of the borehole, the well was developed with a submersible pump until turbidity had visually improved. Over five well volumes of water were removed from each well during development. The monitor wells were completed with expandable well caps.

Nine previously installed monitoring wells (A-MW-1 through A-MW-9) have been incorporated into the monitoring well network and groundwater assessment of Lyon Park. These pre-existing monitor wells were installed to depths of 16 to 29 ft-bgs. The monitor well construction details are presented in **Table 4,** and the location of the monitoring wells are shown on **Figure 1**. The Coordinates of Selected Features are included in **Appendix I** and the Well Construction Records are included in **Appendix II**.

3.2 Monitor Well Purging and Sampling

On August 18, 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 822RI-8. 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 towards the surface water feature in the center of the site, the surface water feature (stream) flows to the south.

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

3.3 Monitor Well Sample Results

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

4.0 Surface Water and Sediment Sampling

On May 30, 2025, S&ME collected surface water and stream sediment samples for laboratory analysis from nine locations. Surface water sample locations are identified as SW-1 through SW-9 with laboratory data on **Table 7.** Stream sediment sample locations are identified as SED-1 through SED-9 with laboratory data summarized on **Table 8**. Surface water and stream sediment locations SED/SW-1 through SED/SW-9 are shown on **Figure 6** and **Figure 7**.

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

4.1.1 Surface Water Sampling Results

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

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

4.1.2 Sediment Sampling Results

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

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

5.0 NCDEQ Risk Calculator

S&ME used the January 2025 version of NCDEQ's Risk Calculator, downloaded from the NCDEQ website to quantify the risks from different exposure points (landfill gas, groundwater, surface water, and sediment) that contain concentrations of chemicals that potentially cause cancer (carcinogens) and chemicals not known to cause cancer (noncarcinogens). The Risk Calculator was used to show the risks these exposure points pose to park users. Carcinogenic and noncarcinogenic effects are evaluated separately as discussed below.

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

The potential for noncancer effects is evaluated by comparing the estimated contaminant exposure to a reference threshold. This threshold represents the exposure below which is unlikely for sensitive populations to experience adverse health effects. The ratio of exposure to toxicity is referred to as a hazard quotient (HQ). The HQs are summed across all noncarcinogenic chemicals and exposure routes to determine cumulative hazard index (HI). For risk assessment purposes, a residential and non-residential/worker exposure scenario was used for landfill gas, groundwater, and sediment samples, and the recreator/trespasser exposure scenario was used for surface water samples. The Resident Receptor scenario is based upon the assumption that people would live at the park for 350 days per year, 24 hours per day, for 26 years (6 years as a child and 20 years as an adult).

5.1 Landfill Gas Samples

The NCDEQ Risk Calculator was run for each landfill gas sample location. The risk calculator uses analytical results and generates a Carcinogenic Risk and Hazard Index value. One sample, LFGP-7, exceeded the Non-Carcinogenic Hazard Quotient for Vapor Intrusion Resident Soil Gas to Indoor Air Risk. None of the sample locations exceeded the Non-Residential Worker for landfill gas from the concentrations reported by the laboratory.

5.2 Surface Water Samples

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

5.3 Sediment Samples

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

Appendix V contains the NCDEQ Risk Calculator Inputs and Outputs.

6.0 Quality Control

6.1 Quality Control Samples

Quality control samples were collected and analyzed as follows:

Soil Gas Duplicates

- One soil gas duplicate sample, called LFGP-DUP-01, was collected on August 3, 2025, from LFGP-1. Analytical results of the duplicate samples were within an acceptable relative difference with the record samples.

Groundwater Duplicates

- One groundwater duplicate sample, called Duplicate-1, was collected on August 26, 2025, from MW-7. Another duplicate, called Duplicate-2, was collected from MW-2 on August 27, 2025. Analytical results of the duplicate samples were within an acceptable relative difference with the record samples.

Surface Water/Sediment Duplicates

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

Trip Blank

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

7.0 Work Plan Deviation

No work plan deviations were encountered during sampling events.

8.0 Sole Use Statement

This report is solely intended for use by NCDEQ for the services that were performed in accordance with S&ME Proposal No. 23050630, dated March 13, 2025, for Task Orders 822RI-8 under the terms of Contract Number N42621-B, dated January 4, 2022, between NCDEQ and S&ME.

9.0 Certification Acknowledgement

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

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

Signature of Environmental Consultant

January 12, 2026
Date

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

WITNESS my hand and official seal this 12th day of January, 2026.

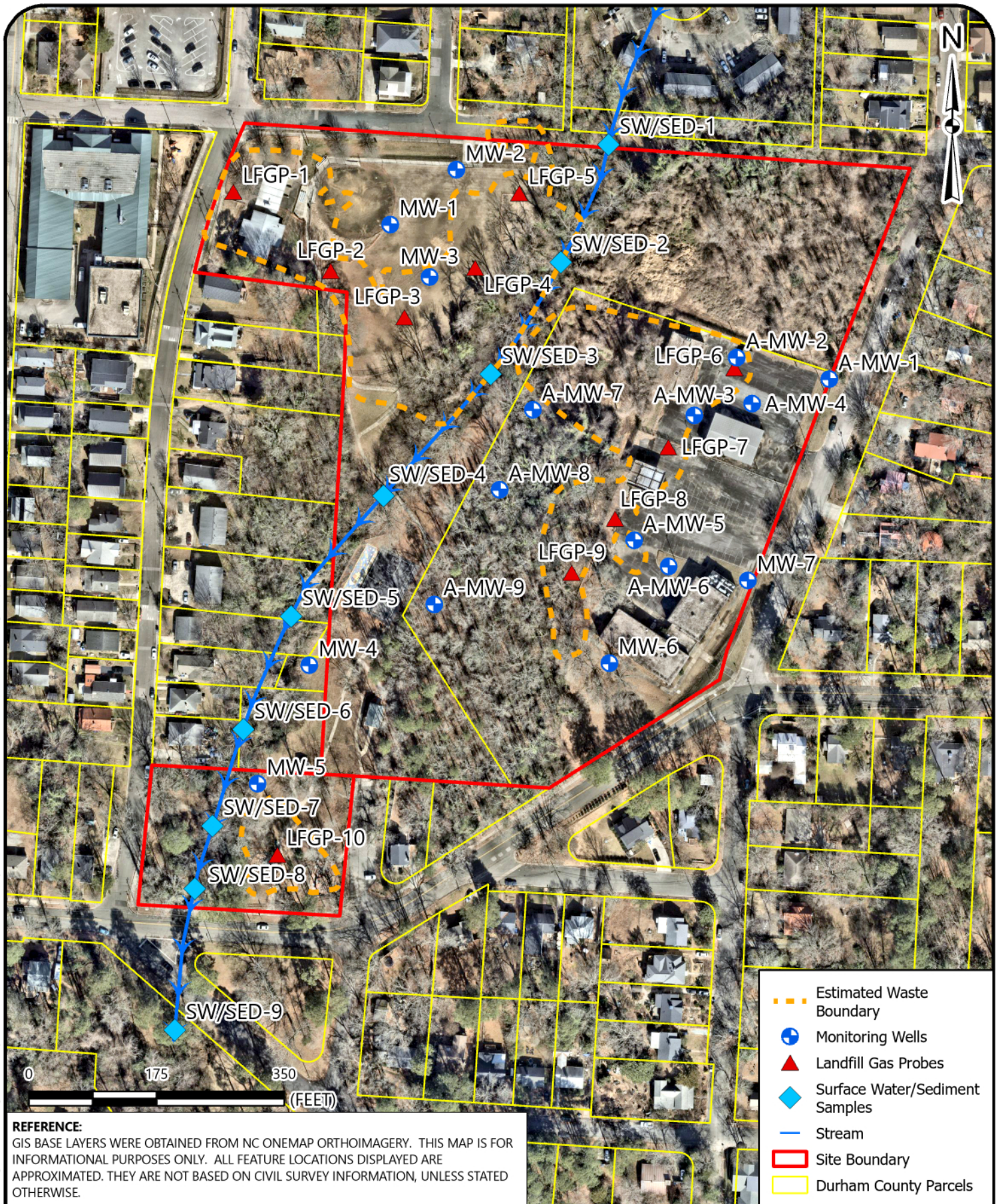
(OFFICIAL SEAL)

Wilma Craft
Notary Public (signature)

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

My commission expires: March 12 2028

Figures



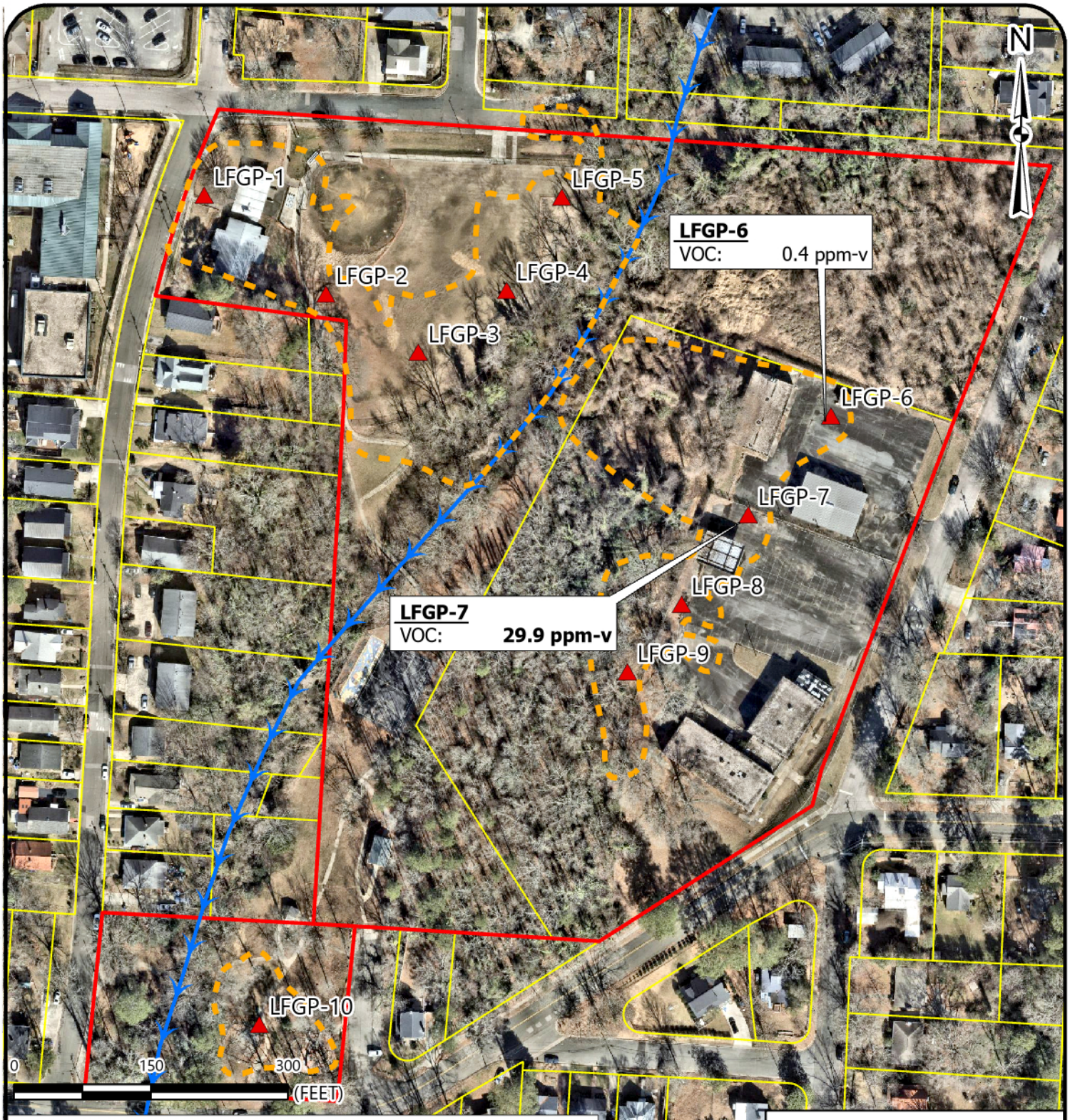
REFERENCE:
GIS BASE LAYERS WERE OBTAINED FROM NC ONEMAP ORTHOIMAGERY. THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. ALL FEATURE LOCATIONS DISPLAYED ARE APPROXIMATED. THEY ARE NOT BASED ON CIVIL SURVEY INFORMATION, UNLESS STATED OTHERWISE.

Drawing Path: T:\Raleigh-1050\Projects\2023\23050630_NCDEQ LF_City of Durham Parks (PRLF)_Durham NC\ENV\GIS\RI-8 Figures\Lyon\NEW RI-7 Lyon Park.aprx Plotted by: RachelMoore

SITE MAP

LYON PARK
NCDEQ ID NO. NONCD0000822, TASK ORDER 822RI-8
1101 CORNELL STREET & 1200 W. LAKEWOOD AVE
DURHAM, DURHAM COUNTY, NORTH CAROLINA

SCALE: 1 in = 175 ft
DATE: 12/10/2025
PROJECT NUMBER 23050630
FIGURE NO. 1



NOTES:
LANDFILL GAS SCREENING WAS CONDUCTED ON AUGUST 19, 2025. ONLY SCREENING RESULTS ABOVE THE BACKGROUND LEVELS ARE SHOWN. VOCs MEASURED IN PPM-V.
VOC - VOLATILE ORGANIC CARBONS.
PPM-V - PARTS PER MILLION BY VOLUME.
RESULTS FROM SCREENING EVENT ARE ON TABLE 2.

REFERENCE:
GIS BASE LAYERS WERE OBTAINED FROM NC ONEMAP ORTHOIMAGERY. THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. ALL FEATURE LOCATIONS DISPLAYED ARE APPROXIMATED.

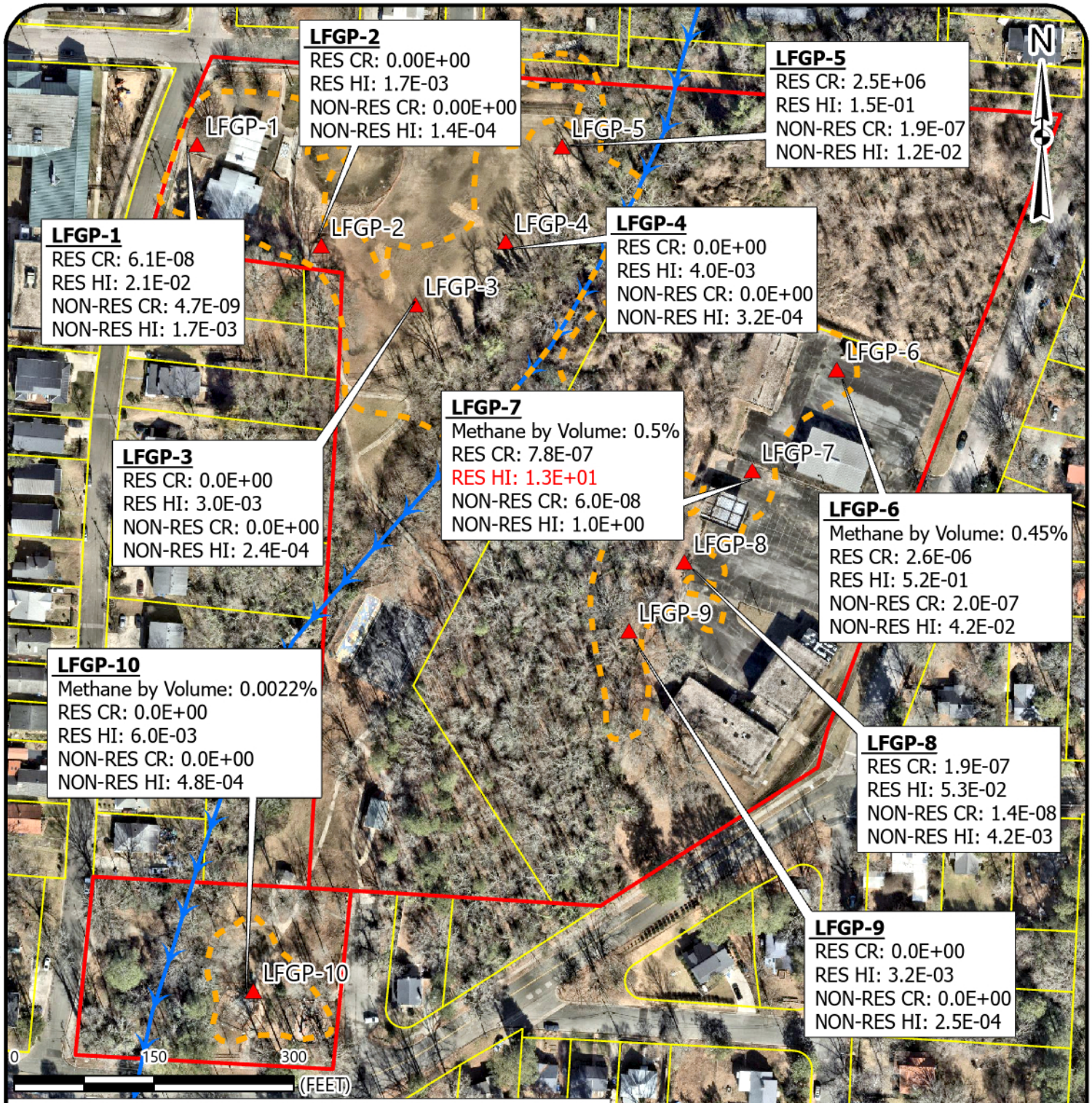
- Landfill Gas Probes
- Estimated Waste Boundary
- Stream
- Site Boundary
- Durham County Parcels

LANDFILL GAS SCREENING RESULTS

LYON PARK
NCDEQ ID NO. NONCD0000822, TASK ORDER 822RI-8
1101 CORNELL STREET & 1200 W. LAKEWOOD AVE
DURHAM, DURHAM COUNTY, NORTH CAROLINA

SCALE: 1 in = 150 ft
DATE: 12/10/2025
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-8 Figures\Lyon\NEW RI-7 Lyon Park.aprx Plotted by: RachelMoore



LFGP-1
RES CR: 6.1E-08
RES HI: 2.1E-02
NON-RES CR: 4.7E-09
NON-RES HI: 1.7E-03

LFGP-2
RES CR: 0.00E+00
RES HI: 1.7E-03
NON-RES CR: 0.00E+00
NON-RES HI: 1.4E-04

LFGP-3
RES CR: 0.0E+00
RES HI: 3.0E-03
NON-RES CR: 0.0E+00
NON-RES HI: 2.4E-04

LFGP-4
RES CR: 0.0E+00
RES HI: 4.0E-03
NON-RES CR: 0.0E+00
NON-RES HI: 3.2E-04

LFGP-5
RES CR: 2.5E+06
RES HI: 1.5E-01
NON-RES CR: 1.9E-07
NON-RES HI: 1.2E-02

LFGP-6
Methane by Volume: 0.45%
RES CR: 2.6E-06
RES HI: 5.2E-01
NON-RES CR: 2.0E-07
NON-RES HI: 4.2E-02

LFGP-7
Methane by Volume: 0.5%
RES CR: 7.8E-07
RES HI: 1.3E+01
NON-RES CR: 6.0E-08
NON-RES HI: 1.0E+00

LFGP-8
RES CR: 1.9E-07
RES HI: 5.3E-02
NON-RES CR: 1.4E-08
NON-RES HI: 4.2E-03

LFGP-9
RES CR: 0.0E+00
RES HI: 3.2E-03
NON-RES CR: 0.0E+00
NON-RES HI: 2.5E-04

LFGP-10
Methane by Volume: 0.0022%
RES CR: 0.0E+00
RES HI: 6.0E-03
NON-RES CR: 0.0E+00
NON-RES HI: 4.8E-04

NOTES:
LANDFILL GAS SAMPLING WAS CONDUCTED ON MAY 9, 2025. SAMPLING LOCATIONS THAT EXCEED THE LOWER EXPLOSIVE LIMIT (LEL) FOR METHANE (5%) ARE SHOWN IN RED.
RESULTS IN RED EXCEED RISK.
RES CR: RESIDENTIAL CARCINOGENIC RISK
RES HI: RESIDENTIAL HAZARD INDEX
NON-RES CR: NON-RESIDENTIAL CARCINOGENIC RISK
NON-RES HI: NON-RESIDENTIAL HAZARD INDEX

REFERENCE:
GIS BASE LAYERS WERE OBTAINED FROM THE LATEST NC ONEMAP 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.

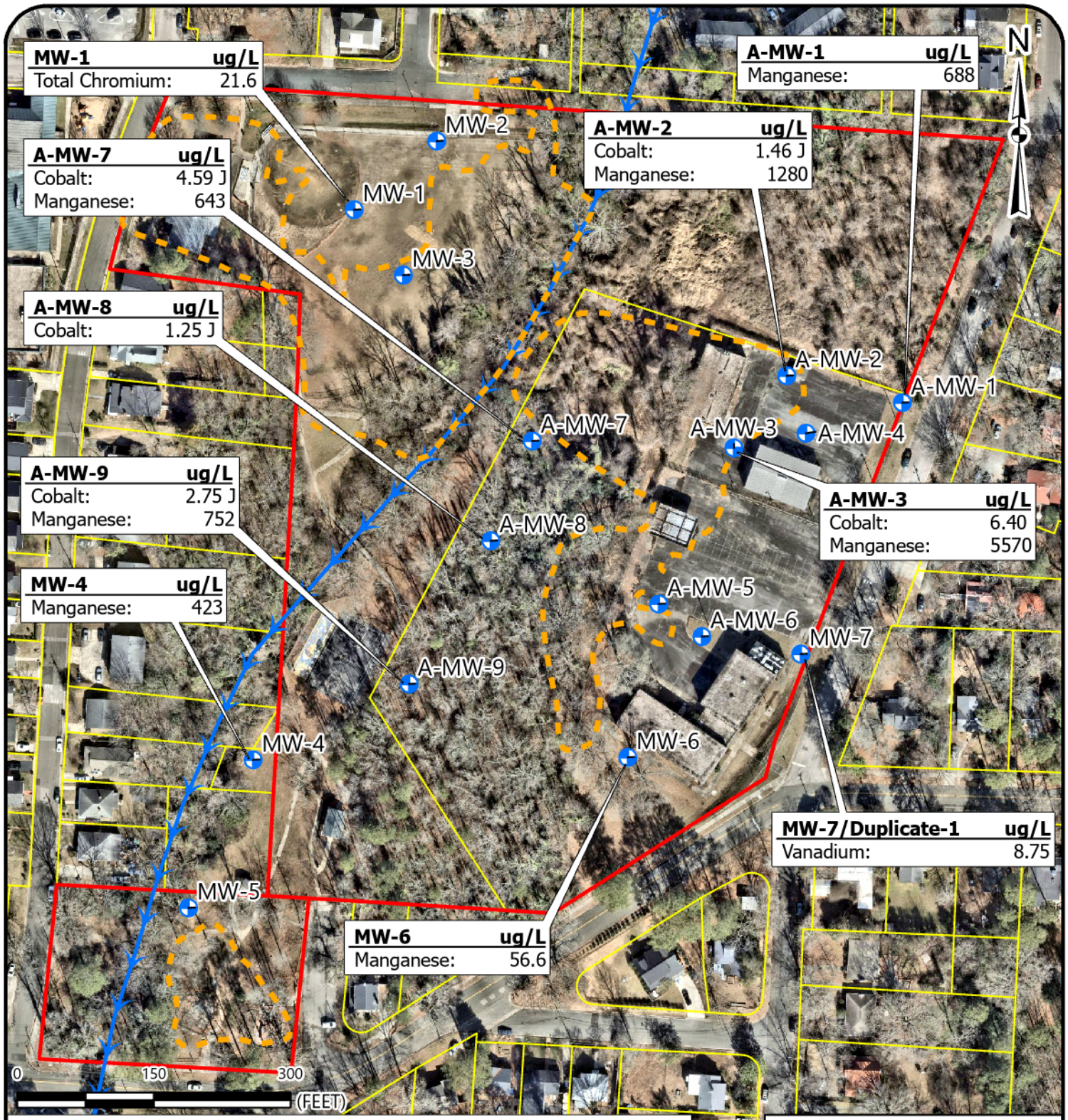
- Landfill Gas Probes
- Estimated Waste Boundary
- Stream
- Site Boundary
- Durham County Parcels

LANDFILL GAS ANALYTICAL RESULTS

LYON PARK
NCDEQ ID NO. NONCD0000822, TASK ORDER 822RI-8
1101 CORNELL STREET & 1200 W. LAKEWOOD AVE
DURHAM, DURHAM COUNTY, NORTH CAROLINA

SCALE: 1 in = 150 ft
DATE: 12/17/2025
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-8 Figures\Lyon\NEW RI-7 Lyon Park.aprx Plotted by:



NOTES:
GROUNDWATER SAMPLING WAS CONDUCTED ON AUGUST 25-27, 2025. ANALYTES DETECTED AT CONCENTRATIONS EXCEEDING 15A NCAC 2L GROUNDWATER STANDARDS ARE SHOWN IN MICROGRAMS PER LITER (ug/L). DUPLICATES WERE COLLECTED FROM MW-7. THE HIGHER CONCENTRATIONS ARE SHOWN.
J: ESTIMATED VALUE LESS THAN REPORTING LIMIT BUT GREATER THAN 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.

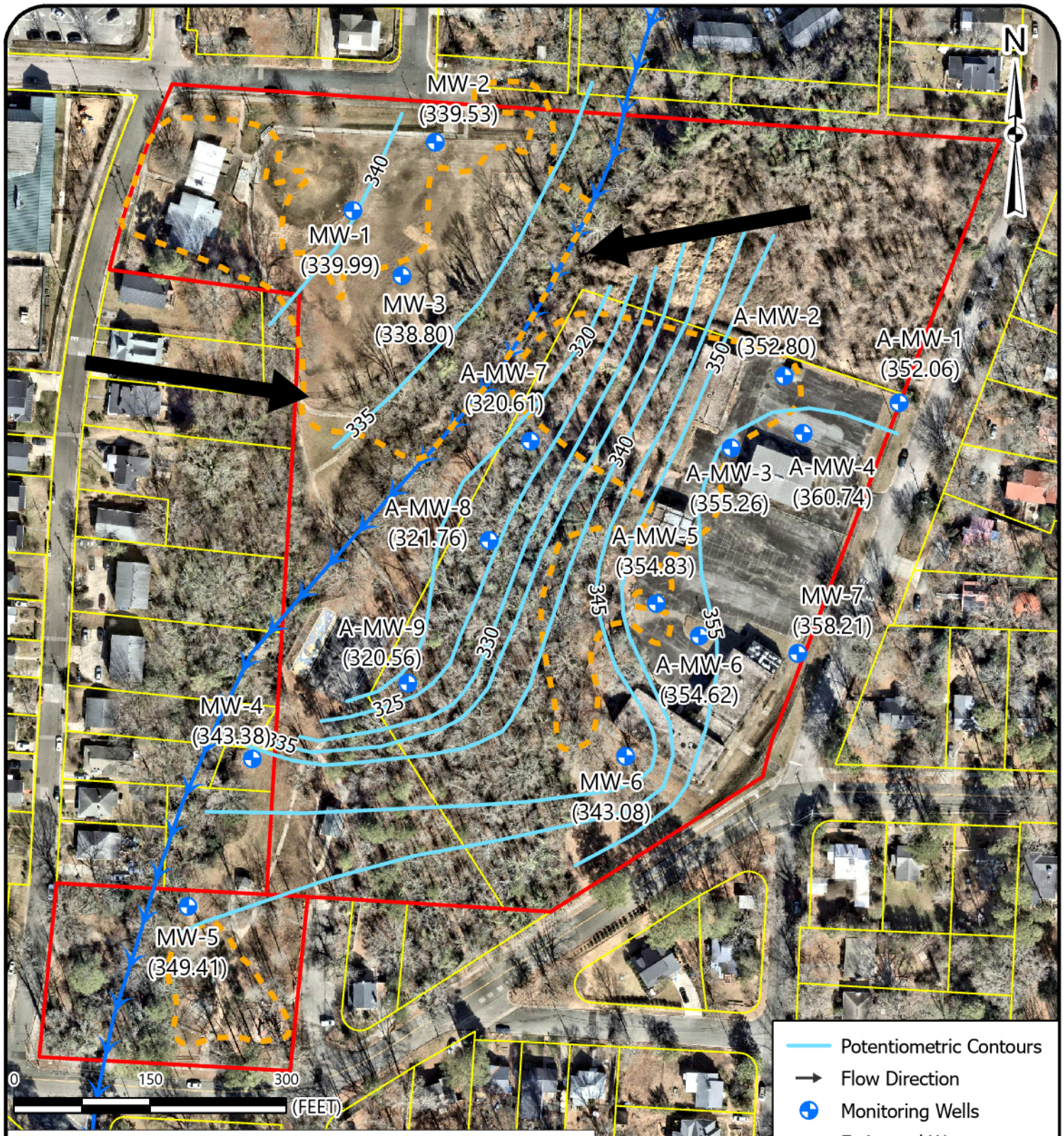
- Monitoring Wells
- Stream
- Estimated Waste Boundary
- Site Boundary
- Durham County Parcels

GROUNDWATER ANALYTICAL RESULTS

LYON PARK
NCDEQ ID NO. NONCD0000822, TASK ORDER 822RI-8
1101 CORNELL STREET & 1200 W. LAKEWOOD AVE
DURHAM, DURHAM COUNTY, NORTH CAROLINA

SCALE: 1 in = 150 ft
DATE: 12/17/2025
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-8 Figures\Lyon\NEW RI-7 Lyon Park.aprx Plotted by:



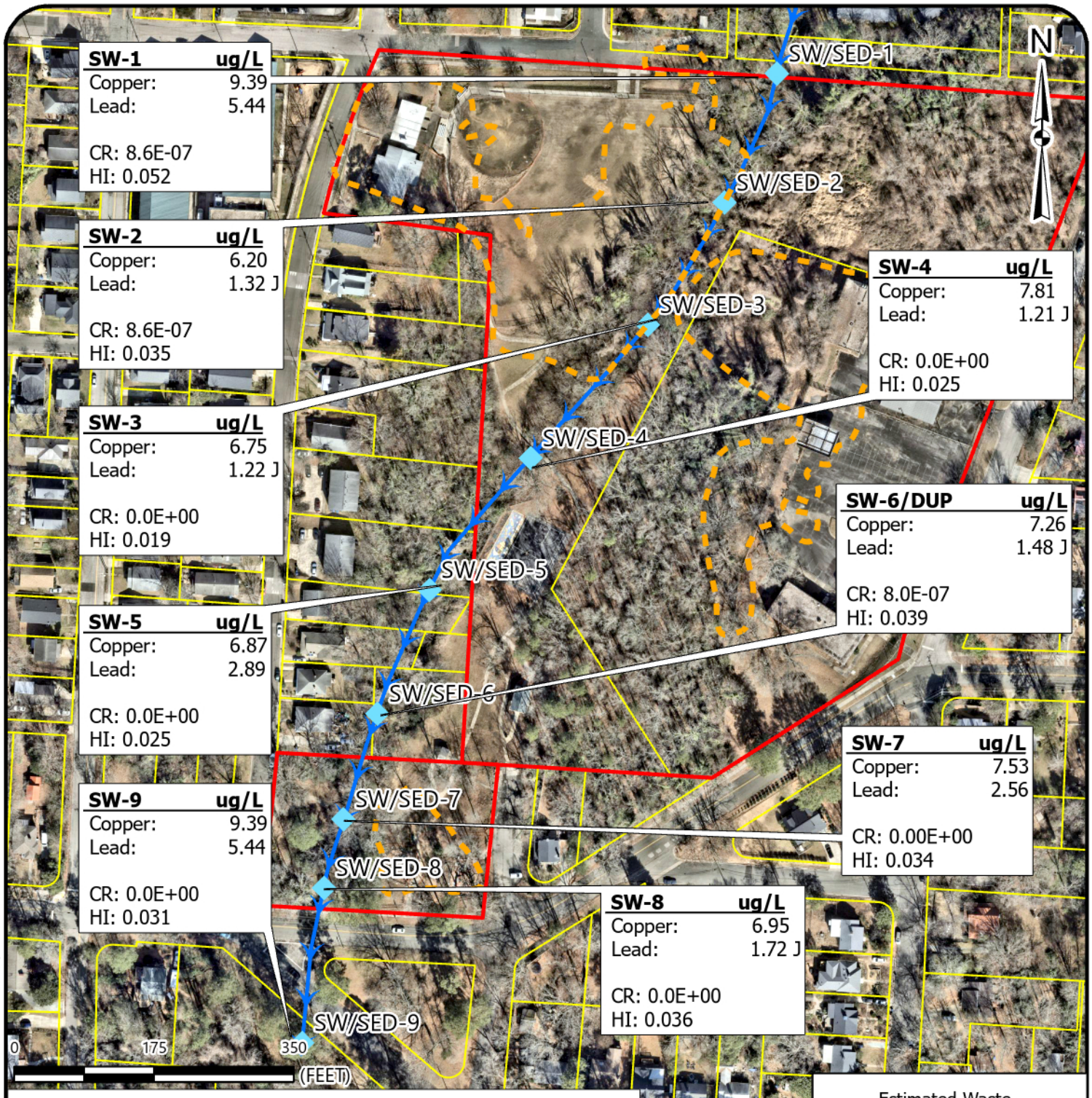
NOTES:
GROUNDWATER MEASUREMENTS WERE TAKEN ON AUGUST 18, 2025.
ELEVATIONS ARE IN FEET ABOVE MEAN SEA LEVEL.
REFERENCE:
GIS BASE LAYERS WERE OBTAINED FROM THE LATEST NC ONEMAP ORTHOIMAGERY LAYER. THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. ALL FEATURE LOCATIONS DISPLAYED ARE APPROXIMATED. THEY ARE NOT BASED ON CIVIL SURVEY INFORMATION, UNLESS STATED OTHERWISE.

GROUNDWATER POTENTIOMETRIC MAP

LYON PARK
NCDEQ ID NO. NONCD0000822, TASK ORDER 822RI-8
1101 CORNELL STREET & 1200 W. LAKEWOOD AVE
DURHAM, DURHAM COUNTY, NORTH CAROLINA

SCALE: 1 in = 150 ft
DATE: 12/17/2025
PROJECT NUMBER 23050630
FIGURE NO. 5

Drawing Path: T:\Raleigh-1050\Projects\2023\23050630_NCDEQ LF_City of Durham Parks (PRLF)_Durham NC\ENV\GIS\RI-8 Figures\Lyon\NEW RI-7 Lyon Park.aprx Plotted by:



SW-1	ug/L
Copper:	9.39
Lead:	5.44
CR: 8.6E-07	
HI: 0.052	

SW-2	ug/L
Copper:	6.20
Lead:	1.32 J
CR: 8.6E-07	
HI: 0.035	

SW-3	ug/L
Copper:	6.75
Lead:	1.22 J
CR: 0.0E+00	
HI: 0.019	

SW-4	ug/L
Copper:	7.81
Lead:	1.21 J
CR: 0.0E+00	
HI: 0.025	

SW-5	ug/L
Copper:	6.87
Lead:	2.89
CR: 0.0E+00	
HI: 0.025	

SW-6/DUP	ug/L
Copper:	7.26
Lead:	1.48 J
CR: 8.0E-07	
HI: 0.039	

SW-7	ug/L
Copper:	7.53
Lead:	2.56
CR: 0.00E+00	
HI: 0.034	

SW-8	ug/L
Copper:	6.95
Lead:	1.72 J
CR: 0.0E+00	
HI: 0.036	

SW-9	ug/L
Copper:	9.39
Lead:	5.44
CR: 0.0E+00	
HI: 0.031	

NOTES:
SURFACE WATER SAMPLING WAS CONDUCTED ON AUGUST 30, 2025. ONLY CONCENTRATIONS THAT EXCEED THE NCAC 2B STANDARDS ARE SHOWN. SAMPLES ARE MEASURED IN MICROGRAMS PER LITER (µg/L). DIRECT CONTACT RISK LEVELS ARE SHOWN FOR THE RECREATOR/TRESPASSER RECEPTOR.
J: ESTIMATED VALUE LESS THAN REPORTING LIMIT BUT GREATER THAN METHOD DETECTION LIMIT.
CR: CARCINOGENIC RISK.
HI: HAZARD INDEX.
REFERENCE:
GIS BASE LAYERS WERE OBTAINED FROM THE LATEST NC ONEMAP 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.

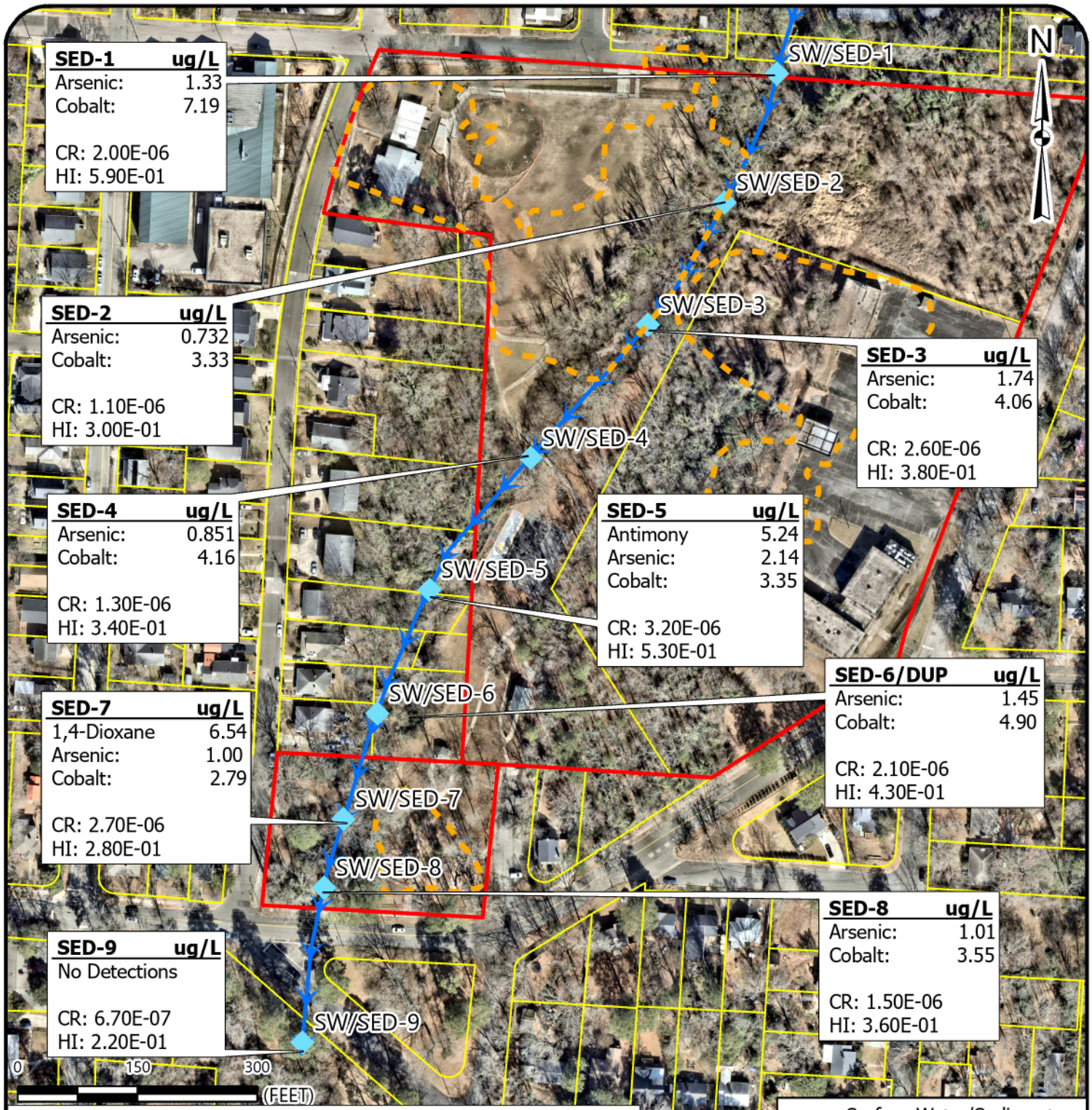
- Estimated Waste Boundary
- Surface Water/Sediment Samples
- Stream
- Site Boundary
- Durham County Parcels
- Flow Direction

SURFACE WATER ANALYTICAL RESULTS

LYON PARK
NCDEQ ID NO. NONCD0000822, TASK ORDER 822RI-8
1101 CORNELL STREET & 1200 W. LAKEWOOD AVE
DURHAM, DURHAM COUNTY, NORTH CAROLINA

SCALE: 1 in = 175 ft
DATE: 12/17/2025
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-8 Figures\Lyon\NEW RI-7 Lyon Park.aprx Plotted by:



SED-1	ug/L
Arsenic:	1.33
Cobalt:	7.19
CR: 2.00E-06	
HI: 5.90E-01	

SED-2	ug/L
Arsenic:	0.732
Cobalt:	3.33
CR: 1.10E-06	
HI: 3.00E-01	

SED-3	ug/L
Arsenic:	1.74
Cobalt:	4.06
CR: 2.60E-06	
HI: 3.80E-01	

SED-4	ug/L
Arsenic:	0.851
Cobalt:	4.16
CR: 1.30E-06	
HI: 3.40E-01	

SED-5	ug/L
Antimony	5.24
Arsenic:	2.14
Cobalt:	3.35
CR: 3.20E-06	
HI: 5.30E-01	

SED-6/DUP	ug/L
Arsenic:	1.45
Cobalt:	4.90
CR: 2.10E-06	
HI: 4.30E-01	

SED-7	ug/L
1,4-Dioxane	6.54
Arsenic:	1.00
Cobalt:	2.79
CR: 2.70E-06	
HI: 2.80E-01	

SED-8	ug/L
Arsenic:	1.01
Cobalt:	3.55
CR: 1.50E-06	
HI: 3.60E-01	

SED-9	ug/L
No Detections	
CR: 6.70E-07	
HI: 2.20E-01	

NOTES:
SEDIMENT SAMPLING WAS CONDUCTED ON MAY 30, 2025. ONLY CONCENTRATIONS THAT EXCEED THE UNITED STATES EPA (USEPA) REGIONAL SCREENING LEVELS (RSLs) FOR SOIL ARE SHOWN. DIRECT CONTACT RISK LEVELS ARE SHOWN FOR THE RESIDENTIAL RECEPTOR. SEDIMENT SAMPLES ARE MEASURED IN MILLIGRAMS PER KILOGRAM (mg/kg)
J: ESTIMATED VALUE LESS THAN REPORTING LIMIT BUT GREATER THAN METHOD DETECTION LIMIT.
CR: CARCINOGENIC RISK
HI: HAZARD INDEX

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

- Surface Water/Sediment Samples
- Stream
- Estimated Waste Boundary
- Site Boundary
- Durham County Parcels

SEDIMENT SAMPLE ANALYTICAL RESULTS

LYON PARK
NCDEQ ID NO. NONCD0000822, TASK ORDER 822RI-8
1101 CORNELL STREET & 1200 W. LAKEWOOD AVE
DURHAM, DURHAM COUNTY, NORTH CAROLINA

SCALE: 1 in = 175 ft
DATE: 12/17/2025
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-8 Figures\Lyon\NEW RI-7 Lyon Park.aprx Plotted by: RachelMoore

Tables

TABLE 1
Landfill Gas Probe & Gas Implant Construction Details
City of Durham Parks - Lyon Park (NONCD0000822)
1101 Cornell Street & 1200 W. Lakewood Ave, Durham, Durham County, North Carolina
S&ME Project No. 23050630 Task Order RI-8

ID	Date Installed	Type	Casing Material	Total Depth (ft-bgs)	Casing Interval (ft-bgs)	Screen Interval (ft-bgs)	Grout Interval (ft-bgs)	Bentonite Interval (ft-bgs)	Filter Pack Interval (ft-bgs)
LFGP-1	8/14/25	Flushmount-Gas Probe	1-in Sch 40 PVC	11.0	0.0 - 6.0	6.0 - 11.0	0.0 - 4.0	4.0 - 5.0	5.0 - 11.0
LFGP-2	8/14/25	Flushmount-Gas Probe	1-in Sch 40 PVC	6.0	0.0 - 3.0	3.0 - 6.0	0.0 - 2.0	2.0 - 3.0	3.0 - 6.0
LFGP-3	8/14/25	Flushmount-Gas Probe	1-in Sch 40 PVC	6.0	0.0 - 6.0	3.0 - 6.0	0.0 - 2.0	2.0 - 3.0	3.0 - 6.0
LFGP-4	8/14/25	Flushmount-Gas Probe	1-in Sch 40 PVC	6.0	0.0 - 6.0	3.0 - 6.0	0.0 - 2.0	2.0 - 3.0	3.0 - 6.0
LFGP-5	8/14/25	Flushmount-Gas Probe	1-in Sch 40 PVC	6.0	0.0 - 6.0	3.0 - 6.0	0.0 - 2.0	2.0 - 3.0	3.0 - 6.0
LFGP-6	8/14/25	Flushmount-Gas Probe	1-in Sch 40 PVC	4.0	0.0 - 4.0	3.0 - 4.0	0.0 - 1.0	1.0 - 3.0	3.0 - 4.0
LFGP-7	8/14/25	Flushmount-Gas Probe	1-in Sch 40 PVC	7.0	0.0 - 7.0	4.0 - 7.0	0.0 - 3.0	3.0 - 4.0	4.0 - 7.0
LFGP-8	8/14/25	Flushmount-Gas Probe	1-in Sch 40 PVC	8.0	0.0 - 11.0	6.0 - 11.0	0.0 - 4.0	4.0 - 5.0	5.0 - 8.0
LFGP-9	8/14/25	Flushmount-Gas Probe	1-in Sch 40 PVC	11.0	0.0 - 11.0	6.0 - 11.0	0.0 - 4.0	4.0 - 5.0	5.0 - 11.0
LFGP-10	8/14/25	Flushmount-Gas Implant	1/4" tubing	4.0	0.0 - 3.5	3.0 - 4.0	NA	0.0 - 3.0	3.0 - 4.0

Notes:

LFGP-10 was installed as soil gas implant due to shallow groundwater.

ft-bgs: feet below ground surface.

in: inches

N/A: Not Applicable

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

TABLE 2
Landfill Gas Field Screening Results
City of Durham Parks - Lyon Park (NONCD0000822)
1101 Cornell Street & 1200 W. Lakewood Ave, Durham, Durham County, North Carolina
S&ME Project No. 23050630 Task Order RI-8

Field Parameter		Volatile Organic Compounds (ppm-v)	Methane (Volume in Air %)	Methane (% Lower Explosive Limit)	Hydrogen Sulfide (ppm-v)
Sample ID	Screening Date				
LFGP-1	8/19/2025	0.0	0.0	0.0	0.0
LFGP-2	8/19/2025	0.0	0.0	0.0	0.0
LFGP-3	8/19/2025	0.0	0.0	0.0	0.0
LFGP-4	8/19/2025	0.0	0.0	0.0	0.0
LFGP-5	8/19/2025	0.0	0.0	0.0	0.0
LFGP-6	8/19/2025	0.4	0.0	0.0	0.0
LFGP-7	8/19/2025	**29.9**	0.0	0.0	0.0
LFGP-8	8/19/2025	0.0	0.0	0.0	0.0
LFGP-9	8/19/2025	0.0	0.0	0.0	0.0
LFGP-10	8/19/2025	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 - Lyon Park (NONCD0000822)
1101 Cornell Street & 1200 W. Lakewood Ave, Durham, Durham County, North Carolina
S&ME Project No. 23050630 Task Order RI-8

Analytical Method		Analyte	CAS Number	Sample ID	LFGP-1	LFGP-2	LFGP-3	LFGP-4	LFGP-5	LFGP-6	LFGP-7	LFGP-8	LFGP-9	LFGP-10	LFGP-DUP-01
				Date Collected	9/3/2025	9/3/2025	9/3/2025	9/3/2025	9/3/2025	9/4/2025	9/4/2025	9/4/2025	9/4/2025	9/3/2025	9/3/2025
Volatile Organic Compounds by Method TO-15 (µg/m3)		1,3-Dichlorobenzene	541-73-1		<5.9	<5.1	<5.1	<4.9	<5.0	<3.7	<7.1	**5.3**	<5.0	<4.6	<5.0
		2,2,4-Trimethylpentane	540-84-1		<4.6	<3.9	<4.0	<3.8	<3.9	**4.1**	**19**	<3.7	<3.9	<3.6	<3.9
		2-Butanone (Methyl Ethyl Ketone)	78-93-3		<12	<10	**11**	<9.7	<9.8	<7.2	<14	<9.3	<9.8	<9.1	<9.8
		2-Propanol	67-63-0		**12**	**12**	**21**	**12**	**14**	<6.0	**17**	**29**	**22**	**42**	**14**
		Acetone	67-64-1		**26**	**24**	**56**	**35**	**43**	<14	**33**	**32**	<20	**120**	**47**
		Benzene	71-43-2		<3.1	<2.7	<2.7	<2.6	<2.6	**31**	**9.3**	<2.5	<2.6	<2.5	<2.6
		Carbon Disulfide	75-15-0		<12	<10	<11	<10	<10	**11**	**71**	<9.8	<10	<9.6	**23**
		Chloroform	67-66-3		<4.8	<4.1	<4.2	<4.0	**10**	<3.0	<5.7	<3.8	<4.0	**16**	<4.0
		Cyclohexane	110-82-7		<3.4	<2.9	<2.9	<2.8	<2.8	**15**	**16**	<2.7	<2.8	<2.7	<2.8
		Freon 113	76-13-1		<7.5	<6.5	<6.6	<6.3	<6.4	<4.7	<9.0	<6.0	**7.6**	<5.9	<6.4
		Freon 12	75-71-8		<4.8	<4.2	<4.2	<4.0	<4.1	**18**	<5.8	<3.9	<4.1	<3.8	<4.1
		Hexane	110-54-3		<3.4	<3.0	<3.0	<2.9	<2.9	**8.4**	**4.4**	<2.8	<2.9	<2.7	<2.9
		m,p-Xylene	108-38-3/106-42-3		**11**	<7.3	<7.4	**8.0**	<7.2	<5.3	<10	<6.9	<7.2	<6.7	**10**
		o-Xylene	95-47-6		<4.2	<3.7	<3.7	**4.1**	<3.6	<2.6	<5.1	<3.4	<3.6	<3.4	**4.0**
		Tetrachloroethene	127-18-4		**21**	<5.7	<5.8	<5.6	<5.6	<4.1	<8.0	**68**	<5.6	<5.2	**22**
ASTM D5504-12 (ug/m3)		Hydrogen Sulfide	7783-06-4		<14	<14	<14	<14	<14	**34**	**890**	<14	<14	<14	<14
NIOSH 6009 (µg/m3)		Mercury	7439-97-6		<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
EPA Method 3C (%)		Methane	74-82-8		<0.00020	<0.00017	<0.00017	<0.00016	<0.00017	**0.45**	**0.5**	<0.00016	<0.00017	**0.0022**	<0.00017
NCDEQ Risk Calculator Values	Vapor Intrusion Resident Soil Gas To Indoor Air	Cumulative Carcinogenic Risk			6.1E-08	0.0E+00	0.0E+00	0.0E+00	2.5E-06	2.6E-06	7.8E-07	1.9E-07	0.0E+00	0.0E+00	See LFGP-1 Risk Assessment
		Non-Carcinogenic Hazard Quotient			2.1E-02	1.7E-03	3.0E-03	4.0E-03	1.5E-01	5.2E-01	1.3E+01	5.3E-02	3.2E-03	6.0E-03	
	Vapor Intrustion Non-Residential Worker Soil Gas To Indoor Air	Cumulative Carcinogenic Risk			4.7E-09	0.0E+00	0.0E+00	0.0E+00	1.9E-07	2.0E-07	6.0E-08	1.4E-08	0.0E+00	0.0E+00	
		Non-Carcinogenic Hazard Quotient			1.7E-03	1.4E-04	2.4E-04	3.2E-04	1.2E-02	4.2E-02	1.0E+00	4.2E-03	2.5E-04	4.8E-04	

Notes:

µg/m^3: micrograms per cubic meter.

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

Concentrations that were not entered into the NCDEQ Risk Calculator (January 2025 Version).

Exceedes the Lower Explosive Limit (LEL) of methane which is 5% by volume, exceedances of the LEL are highlighted.

Duplicate-1 taken at LFGP-1.

NCDEQ Risk Calculator Values shown in red exceed risk.

NIOSH 6009 Mercury Samples were collected on August 9, 2025

Hydrogen Sulfide Samples were collected on August 4, 2025

TABLE 4
Groundwater Monitor Well Construction & Groundwater Level
City of Durham Parks -Lyon Park (NONCD0000822)
1101 Cornell Street & 1200 W. Lakewood Ave, Durham, Durham County, North Carolina
S&ME Project No. 23050630 Task Order RI-8

ID	Date Installed	Type	Casing Material	Total Depth (ft-bgs)	Casing Interval (ft-bgs)	Screen Interval (ft-bgs)	Grout Interval (ft-bgs)	Bentonite Interval (ft-bgs)	Filter Pack Interval (ft-bgs)	Top of Casing Elevation (ft-amsl)	Date Water Level Measured	Depth to Groundwater (ft-btoc)	Groundwater Elevation (ft-amsl)
MW-1	8/14/25	Flush Mount - Monitoring Well	2-in Sch 40 PVC	31.5	0.0 to 16.5	16.5 to 31.5	0.0 to 12.5	12.5 to 14.5	14.5 to 31.5	347.97	8/18/2025	7.98	339.99
MW-2	8/14/25	Flush Mount - Monitoring Well	2-in Sch 40 PVC	31.5	0.0 to 16.5	16.5 to 31.5	0.0 to 12.5	12.5 to 14.5	14.5 to 31.5	347.52	8/18/2025	7.99	339.53
MW-3	8/14/25	Flush Mount - Monitoring Well	2-in Sch 40 PVC	46.0	0.0 to 31.0	31.0 to 46.0	0.0 to 27.0	27.0 to 29.0	29.0 to 46.0	346.87	8/18/2025	8.07	338.80
MW-4	8/14/25	Flush Mount - Monitoring Well	2-in Sch 40 PVC	25.5	0.0 to 15.5	15.5 to 25.5	0.0 to 11.5	11.5 to 13.5	13.5 to 25.5	347.03	8/18/2025	3.65	343.38
MW-5	8/14/25	Flush Mount - Monitoring Well	2-in Sch 40 PVC	26.0	0.0 to 16.0	16.0 to 26.0	0.0 to 12.0	12.0 to 14.0	14.0 to 26.0	351.89	8/18/2025	2.48	349.41
MW-6	8/14/25	Flush Mount - Monitoring Well	2-in Sch 40 PVC	56.0	0.0 to 36.0	36.0 to 56.0	0.0 to 32.0	32.0 to 34.0	34.0 to 56.0	359.42	8/18/2025	16.34	343.08
MW-7	8/14/25	Flush Mount - Monitoring Well	2-in Sch 40 PVC	26.0	0.0 to 16.0	16.0 to 26.0	0.0 to 12.0	12.0 to 14.0	14.0 to 26.0	369.11	8/18/2025	10.9	358.21
A-MW-1	Unknown	Flush Mount - Monitoring Well	2-in Sch 40 PVC	27.0	Unknown construction features - well previously installed					371.06	8/18/2025	19.00	352.06
A-MW-2	Unknown	Flush Mount - Monitoring Well	2-in Sch 40 PVC	23.0	Unknown construction features - well previously installed					368.80	8/18/2025	16.00	352.80
A-MW-3	Unknown	Flush Mount - Monitoring Well	2-in Sch 40 PVC	27.0	Unknown construction features - well previously installed					369.09	8/18/2025	13.83	355.26
A-MW-4	Unknown	Flush Mount - Monitoring Well	2-in Sch 40 PVC	20.0	Unknown construction features - well previously installed					369.49	8/18/2025	8.75	360.74
A-MW-5	Unknown	Flush Mount - Monitoring Well	2-in Sch 40 PVC	16.0	Unknown construction features - well previously installed					369.11	8/18/2025	14.28	354.83
A-MW-6	Unknown	Flush Mount - Monitoring Well	2-in Sch 40 PVC	29.0	Unknown construction features - well previously installed					370.44	8/18/2025	15.82	354.62
A-MW-7	Unknown	Stick-up - Monitoring Well	2-in Sch 40 PVC	Unknown	Unknown construction features - well previously installed					326.54	8/18/2025	5.93	320.61
A-MW-8	Unknown	Stick-up - Monitoring Well	2-in Sch 40 PVC	24.0	Unknown construction features - well previously installed					327.37	8/18/2025	5.61	321.76
A-MW-9	Unknown	Stick-up - Monitoring Well	2-in Sch 40 PVC	16.0	Unknown construction features - well previously installed					332.97	8/18/2025	12.41	320.56

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 - Lyon Park (NONCD0000822)

1101 Cornell Street & 1200 W. Lakewood Ave, Durham, Durham County, North Carolina

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

Sample Location ID	Date	Field Parameter			
		pH	Temperature (°C)	Conductivity (µS/cm)	Turbidity (NTU)
MW-1	8/27/2025	7.4	20.9	816	6.8
MW-2	8/27/2025	7.1	22.5	707	11
MW-3	8/26/2025	7.2	21.1	872	19.2
MW-4	8/27/2025	7.3	19.8	787	44
MW-5	8/27/2025	7.7	19.6	595	116
MW-6	8/26/2025	7.0	18.4	806	2.4
MW-7	8/26/2025	6.9	23.4	330	66
A-MW-1	8/25/2025	6.6	21.2	1115	10
A-MW-2	8/25/2025	6.6	20.1	1135	1.0
A-MW-3	8/26/2025	6.3	23.5	634	5.6
A-MW-4	8/26/2025	7.7	23.6	281	4.3
A-MW-5	8/27/2025	Well Not Sampled			
A-MW-6	8/27/2025	7.5	23.8	706	8.2
A-MW-7	8/27/2025	6.9	20.3	2.91	4.9
A-MW-8	8/27/2025	6.8	19.6	1218	9.8
A-MW-9	8/27/2025	6.3	20	238	1.8

Notes:

Temperature: degrees Celsius (°C)

Conductivity: microsiemens per centimeter (µS/cm)

Turbidity: Nephelometric Turbidity Units

A-MW-5 was dry at time of sampling.

Table 6
Groundwater Sample Analytical Results Summary
City of Durham Parks - Lyon Park (NONCD0000822)
1308 W. Club Boulevard, Durham, Durham County, North Carolina
S&ME Project No. 23050630 Task Order RI-8

Analytical Method		Method 8260D - Volatile Organic Compounds	Method 8270E - Semi Volatile Organic Compounds (SVOCs)		Method 6020B - Metals									Method 350.1	Method 9056A	
CAS Number		74-87-3	105-60-2	123-91-1	7440-38-2	7440-39-3	7440-47-3	7440-48-4	7440-50-8	7439-96-5	7440-02-0	7782-49-2	7440-62-2	7664-41-7	14797-55-8	14808-79-8
Analyte		Chloromethane	Caprolactam	1,4-Dioxane	Arsenic	Barium	Chromium, Total	Cobalt	Copper	Manganese	Nickel	Selenium	Vanadium	Ammonia Nitrogen	Nitrate as (N)	Sulfate
Sample ID	Date Collected															
A-MW-1	8/25/2025	<0.400	<2.46	<0.295	<1.32	**191**	**4.18 J**	**0.919 J**	**1.04 J**	**688**	**9.23**	<2.29	**2.25 J**	<0.0200	**0.181**	**13.9**
A-MW-2	8/25/2025	<0.400	<2.38	<0.296	**7.47**	**549**	<3.69	**1.46 J**	<0.642	**1280**	**2.16 J**	<2.29	<1.22	**0.249**	**0.0431 J**	**18.1**
A-MW-3	8/26/2025	**0.400 J**	**7.17 J *+**	<0.320	**5.52**	**101**	<3.69	**6.40**	<0.642	**5570**	**1.74 J**	<2.29	<1.22	**0.0684**	<0.0250	**87.4**
A-MW-4	8/26/2025	<0.400	<2.38 *+	<0.309	**2.86 J**	**36.1**	<3.69	<0.411	**1.18 J**	**34.8**	**0.746 J**	<2.29	**4.49 J**	<0.0200	<0.0250	**2.71 J**
A-MW-6	8/27/2025	**0.522 J**	<2.37	<0.298	<1.32	**150**	<3.69	<0.411	<0.642	**4.73 J**	**2.43 J**	<2.29	**7.35**	<0.0200	**0.158**	**71.5**
A-MW-7	8/27/2025	**1.01**	<2.33	<0.276	<1.32	**23.7**	<3.69	**4.59 J**	**1.47 J**	**643**	**2.59 J**	<2.29	**1.48 J**	<0.0200	**0.109**	**353**
A-MW-8	8/27/2025	**0.984 J**	<2.42	<0.298	<1.32	**44.6**	<3.69	**1.25 J**	**1.85 J**	**21.2**	**1.68 J**	<2.29	**4.95 J**	<0.0200	**3.47**	**62.1**
A-MW-9	8/27/2025	**1.04**	<2.40	<0.299	<1.32	**57.9**	<3.69	**2.75 J**	<0.642	**752**	**5.16**	<2.29	<1.22	<0.0200	<0.0250	**30.5**
MW-1	8/27/2025	<0.400	<2.40	**0.301**	<1.32	**244**	**21.6**	<0.411	**3.61**	**38.7**	**0.990 J**	**2.41 J**	**5.08**	<0.0200 F1	**4.79**	**67.7**
MW-2	8/27/2025	<0.400	<2.43	**0.598**	<1.32	**187**	<3.69	<0.411	**3.58**	**14.9**	**0.669 J**	<2.29	**3.68 J**	<0.0200	**1.25**	**37.3**
MW-3	8/26/2025	<0.400 F1	<2.40 *+	<0.277	<1.32	**221**	<3.69	<0.411	<0.642	**6.49**	<0.422	<2.29	**4.20 J**	<0.0200	**2.94**	**36.0**
MW-4	8/27/2025	**0.777 J**	<2.33	<0.326	<1.32	**283**	<3.69	**0.666 J**	**3.18**	**423**	**1.44 J**	<2.29	**6.45**	<0.0200	**0.257**	**63.8 F1**
MW-5	8/27/2025	<0.400	**3.44 J**	<0.308	<1.32	**140**	<3.69	**0.605 J**	**1.27 J**	**126**	**1.07 J**	<2.29	**3.66 J**	<0.0200	<0.0250	**13.0**
MW-6	8/26/2025	<0.400	<2.39 *+	<0.303	<1.32	**226**	<3.69	<0.411	**1.47 J**	**56.6**	**0.779 J**	<2.29	**1.67 J**	<0.0200	**0.0411 J**	**56.5**
MW-7	8/26/2025	<0.400	**3.86 J *+**	<0.308	<1.32	**95.2**	<3.69	<0.411	**0.774 J**	**32.0**	**0.928 J**	<2.29	**8.03**	<0.0200	**0.178**	**7.44**
Duplicate -1	8/26/2025	<0.400	<2.28 *+	<0.302	<1.32	**89.4**	<3.69	<0.411	**0.776 J**	**25.0**	**0.859 J**	<2.29	**8.75**	<0.0200 F1	**0.379**	**7.04**
Duplicate-2	8/27/2025	**0.417 J**	<2.41	**0.410**	<1.32	**177**	<3.69	<0.411	**3.45**	**12.3**	**0.658 J**	<2.29	**3.44 J**	<0.0200	**1.05**	**35.3**
15A NCAC 2L Groundwater Standards & IMACs		3	4,000	3	10	700	10	1	1,000	50	100	20	7	NE	10,000	250,000

Notes:
ug/l: Micrograms per liter.
Concentrations shown with "<" do not exceed the laboratory method detection limits (MDLs).
Concentrations shown in **BOLD** exceed the laboratory MDLs.
All detections that exceed the 15 NCAC 2L Standards are highlighted.
NE: Standard Not Established
F1: MS and/or MSD recovery exceeds control limits.
J: Estimated value less than the reporting limit but greater than the method detection limit.
*+: Lab Control Sample or Lab Control Sample Duplicate is outside acceptance limits, high biased.
Duplicate-1 was taken at MW-7.
Duplicate-2 was taken at MW-2.

Table 7
Surface Water Sample Analytical Results Summary
City of Durham Parks - Lyon Park (NONCD0000822)
1101 Cornell Street & 1200 W. Lakewood Ave, Durham, Durham County, North Carolina
S&ME Project No. 23050630 Task Order RI-8

Analytical Method		Method 6020B - Metals											Method 350.1	Method 9056A		NCDEQ Risk Calculator for Direct Contact Recreator/Trespasser Receptor	
CAS Number		7440-36-0	7440-38-2	7440-39-3	7440-47-3	7440-48-4	7440-50-8	7439-92-1	7439-96-5	7440-02-0	7440-62-2	7440-66-6	7664-41-7	14797-55-8	14808-79-8		
Analyte		Antimony	Arsenic	Barium	Chromium, Total	Cobalt	Copper	Lead	Manganese	Nickel	Vanadium	Zinc	Ammonia Nitrogen	Nitrate as (N)	Sulfate	Cumulative Carcinogenic Risk	Non-Carcinogenic Hazard Quotient
Sample ID	Date Collected																
SW-1	5/30/2025	0.470 J	0.980 J	44.5	<1.20	0.345 J	9.39	5.44	47.4	1.82 J	2.42 J	23.2	60	247	9,700	8.6E-07	0.052
SW-2	5/30/2025	0.455 J	0.910 J	55.2	<1.20	<0.220	6.20	1.32 J	26.9	1.70 J	1.02 J	9.51 J	<46	291	15,000	8.0E-07	0.035
SW-3	5/30/2025	0.465 J	<0.860	55.5	<1.20	<0.220	6.75	1.22 J	16.8	1.65 J	0.860 J	8.11 J	<46	359	18,000	0.0E+00	0.019
SW-4	5/30/2025	0.545 J	<0.860	55.0	<1.20	<0.220	7.81	1.21 J	29.0	1.81 J	1.08 J	8.72 J	<46	360	16,700	0.0E+00	0.025
SW-5	5/30/2025	0.495 J	<0.860	50.6	<1.20	<0.220	6.87	2.89	31.3	2.01 J	0.865 J	8.98 J	<46	358	15,600	0.0E+00	0.025
SW-6	5/30/2025	0.400 J	0.915 J	51.0	<1.20	<0.220	7.20	1.37 J	37.9	1.86 J	1.04 J	8.62 J	<46	254	14,600	8.0E-07	0.039
SW-7	5/30/2025	0.450 J	<0.860	50.7	<1.20	0.250 J	7.53	2.56	47.8	1.83 J	1.25 J	10.6 J	<46	244	13,500	0.0E+00	0.034
SW-8	5/30/2025	0.340 J	<0.860	51.9	<1.20	0.250 J	6.95	1.72 J	54.9	1.99 J	1.21 J	11.1 J	<46	247	12,200	0.0E+00	0.036
SW-9	5/30/2025	0.340 J	<0.860	50.0	<1.20	0.260 J	7.11	1.71 J	41.8	1.94 J	1.47 J	10.6 J	<46	308 H	11,800	0.0E+00	0.031
SW-DUP	5/30/2025	0.430 J	<0.860	53.4	2.11 J	0.230 J	7.26	1.48 J	39.0	2.71 J	0.905 J	9.06 J	<46	269	14,700	See SW-6	
15A NCAC 2B Surface Water Standards		NE	10	1,000	24	NE	2.7	0.54	NE	16	NE	36	NE	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 are highlighted.
Compound not in the NCDEQ Risk Calculator, compound was not entered.
SW-DUP was taken at SW-6.
J: Estimated value less than the reporting limit but greater than the method detection limit.
H: Sample was prepped or analyzed beyond the specified holding time.
NE: Standard Not Established
NCDEQ Risk Calculator Values shown in red exceed risk.

Table 8
Sediment Sample Analytical Results Summary
City of Durham Parks - Lyon Park (NONCD0000822)
1101 Cornell Street & 1200 W. Lakewood Ave, Durham, Durham County, North Carolina
S&ME Project No. 23050630 Task Order RI-8

Analytical Method		Method 8260D - Volatile Organic Compounds (VOCs)				Method 8270E - Semi Volatile Organic Compounds (SVOCs)											Method 6020B - Metals															Method 7471B	Method 350.1	Method 9056A	NCDEQ Risk Calculator					
CAS Number		67-64-1	99-87-6	78-93-3	108-88-3	606-20-2	534-52-1	50-32-8	111-44-4	53-70-3	206-44-0	118-74-1	77-47-4	621-64-7	87-86-5	129-00-0	123-91-1	7440-36-0	7440-38-2	7440-39-3	7440-41-7	7440-43-9	7440-47-3	7440-48-4	7440-50-8	7439-92-1	7439-96-5	7440-02-0	7782-49-2	7440-22-4	7440-28-0	7440-62-2	7440-66-6	7439-97-6	7664-41-7	14808-79-8	Direct Contact Resident		Direct Contact Non-Residential Worker		Direct Contact Recreator/Trespasser	
Analyte		Acetone	p-Isopropyltoluene	2-Butanone (MEK)	Toluene	2,6-Dinitrotoluene	4,6-Dinitro-2-methylphenol	Benzo(a)pyrene	Bis(2-chloroethyl)ether	Dibenzo,h,anthracene	Fluoranthene	Hexachlorobenzene	Hexachlorocyclopentadiene	n-Nitrosodi-n-propylamine	Pentachlorophenol	Pyrene	1,4-Dioxane	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium, Total	Cobalt	Copper	Lead	Manganese	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury	Ammonia Nitrogen	Sulfate	Cumulative Carcinogenic Risk	Non-Carcinogenic Hazard Quotient	Cumulative Carcinogenic Risk	Non-Carcinogenic Hazard Quotient	Cumulative Carcinogenic Risk	Non-Carcinogenic Hazard Quotient
Sample ID	Date Collected																																								
SED-1	5/30/2025	<0.0104	<0.000868	<0.00521	<0.000868	<0.556	<1.30	<0.254	<0.583 *+	<0.686	<0.394	<0.540	<0.357	<0.567	<0.864	<0.421	**0.0163**	**0.141 J**	**1.33**	**50.4**	**0.436**	**0.106**	**9.12**	**7.19**	**11.2**	**16.9**	**187**	**21.3**	**0.209 J**	**0.0127 J**	**0.0505 J**	**15.3**	**48.7**	**0.0120 J**	<0.328	**9.12 J**	2.00E-06	5.90E-01	4.40E-07	4.00E-02	8.40E-07	2.50E-01
SED-2	5/30/2025	**0.0180 J**	<0.000981	<0.00589	<0.000981	<0.609	<1.42	<0.278 *3	<0.638 *+	<0.750 *3	<0.431	<0.591	<0.390	<0.620	<0.945	<0.461 *3	**0.00970**	**0.139 J**	**0.732**	**39.8**	**0.242**	**0.0564**	**8.97**	**3.33**	**11.4**	**25.4**	**129**	**9.15**	**0.215 J**	**0.0272 J**	<0.0503	**14.0**	**48.4**	**0.0213 J**	<0.363	**18.5 J**	1.10E-06	3.00E-01	2.40E-07	2.10E-02	4.60E-07	1.30E-01
SED-3	5/30/2025	**0.0211 J**	<0.000859	<0.00516	<0.000859	<0.580	<1.35	<0.265	<0.608 *+	<0.715	**0.472 J**	<0.563	<0.371	<0.591	<0.901	<0.439	**0.00705**	**0.243 J**	**1.74**	**36.8**	**0.186**	**0.106**	**9.40**	**4.06**	**11.7**	**66.8**	**116**	**13.7**	**0.206 J**	**0.0126 J**	<0.0486	**19.0**	**51.8**	**0.0250 J**	<0.345	**15.6 J**	2.60E-06	3.80E-01	5.80E-07	2.60E-02	1.10E-06	1.60E-01
SED-4	5/30/2025	<0.0106	<0.000887	<0.00532	<0.000887	<0.655	<1.53	<0.299	<0.687 *+	<0.808	<0.465	<0.636	<0.420	<0.668	<1.02	<0.496	**0.0132**	**0.417 J**	**0.851**	**36.2**	**0.252**	**0.115**	**8.28**	**4.16**	**15.7**	**125**	**98.8**	**15.0**	**0.210 J**	**0.0225 J**	<0.0626	**13.3**	**71.0**	**0.0184 J**	**0.468 J**	**26.4**	1.30E-06	3.40E-01	2.80E-07	2.40E-01	5.40E-07	1.50E-01
SED-5	5/30/2025	**0.0455**	<0.00101	<0.00608	<0.00101	<0.704	<1.64	<0.321	<0.738 *+	<0.868	**0.507 J**	<0.683	<0.451	<0.717	<1.09	<0.533	**0.0307**	**5.24**	**2.14**	**48.8**	**0.315**	**0.177**	**11.0**	**3.35**	**19.4**	**43.1**	**119**	**9.15**	**0.315 J**	**0.0393 J**	<0.0633	**16.9**	**78.5**	**0.0335**	<0.457	**14.0 J**	3.20E-06	5.30E-01	7.10E-07	3.70E-02	1.40E-06	2.20E-01
SED-6	5/30/2025	<0.0116	<0.000968	<0.00581	<0.000968	<0.609	<1.42	<0.278 *3	<0.639 *+	<0.751 *3	<0.432	<0.591	<0.390	<0.621	<0.946	<0.461	**0.00785**	**0.128 J**	**1.45**	**39.7**	**0.301**	**0.0872**	**12.2**	**4.90**	**10.4**	**18.1**	**125**	**15.2**	**0.197 J**	**0.0104 J**	<0.0495	**22.8**	**52.9**	**0.0136 J**	<0.360	**12.7 J**	2.10E-06	4.30E-01	4.80E-07	3.00E-02	9.20E-07	1.80E-01
SED-7	5/30/2025	<0.0114	<0.000951	<0.00571	<0.000951	<0.714	<1.66	<0.326	<0.748 *+	<0.880	<0.506	<0.693	<0.457	<0.727	<1.11	<0.540	**6.54**	**0.245 J**	**1.00**	**33.5**	**0.221**	**0.105**	**7.76**	**2.79**	**12.7**	**28.0**	**91.3**	**7.15**	**0.247 J**	**0.0202 J**	<0.0675	**13.7**	**51.6**	**0.0222 J**	<0.419	**16.4 J**	2.70E-06	2.80E-01	6.00E-07	2.00E-02	1.00E-06	1.20E-01
SED-8	5/30/2025	**0.0657**	**0.00378 J**	**0.00636 J**	**0.00175 J**	<0.645	<1.50	<0.294	<0.676 *+	<0.795	**0.811 J**	<0.626	<0.413	<0.658	<1.00	**0.565 J**	**0.0725**	**0.208 J**	**1.01**	**41.3**	**0.241**	**0.120**	**7.75**	**3.55**	**11.1**	**20.5**	**158**	**9.48**	**0.336 J**	**0.0209 J**	<0.0616	**18.0**	**57.8**	**0.0355**	<0.417	<9.70	1.50E-06	3.60E-01	3.40E-07	2.50E-02	6.40E-07	1.50E-01
SED-9	5/30/2025	**0.0555**	**0.00116 J**	<0.00590	<0.000984	<0.606	<1.41	<0.277	<0.636 *+	<0.747	<0.430	<0.589	<0.388	<0.618	<0.942	<0.459	**0.0327**	<0.119	**0.452**	**20.2**	**0.122**	**0.0525 J**	**3.67**	**1.72**	**4.41**	**8.15**	**51.7**	**4.94**	**0.175 J**	<0.0119	<0.0597	**7.11**	**35.1 F1**	**0.0109 J**	**0.102 J F1**	**12.8 J**	6.70E-07	2.20E-01	1.50E-07	1.50E-02	2.90E-07	9.20E-02
SED-DUP	5/30/2025	<0.0123	<0.00102	<0.00615	<0.00102	<0.662	<1.54	<0.302	<0.694 *+	<0.817	<0.469	<0.643	<0.424	<0.675	<1.03	<0.502	**0.0275**	**0.337 J**	**1.14**	**35.3**	**0.204**	**0.0766**	**9.84**	**4.51**	**11.2**	**21.1**	**114**	**16.4**	**0.265 J**	<0.0117	<0.0585	**27.4**	**49.2**	**0.0201 J**	<0.381	<9.34	**See SED-6**					
EPA Resident Soil Screening Levels		**7,000**	**17**	**2700**	**490**	**0.36**	**0.51**	**0.11**	**0.23**	**0.11**	**240**	**0.078**	**0.18**	**0.078**	**1**	**180**	**5.3**	**3.1**	**0.68**	**1,500**	**16**	**0.71**	**NL**	**2.3**	**310**	**200**	**180**	**140**	**39**	**39**	**0.078**	**39**	**2,300**	**0.71**	**NE**	**NE**						

Notes:
mg/Kg: Milligrams per kilogram
Concentrations shown with "<" do not exceed the laboratory method detection limits (MDLs).
Concentrations shown in **BOLD** exceed the laboratory MDLs.
Detections that exceed the USEPA Regional Screening Levels.
Compound not in the NCDEQ Risk Calculator, compound was not entered.
J: Estimated value less than the reporting limit but greater than the method detection limit.
NE: Standard Not Established
NCDEQ Risk Calculator Values shown in red exceed risk.
SED-DUP was sampled from SED-6

Appendices

Appendix I- Coordinates of Selected Features

APPENDIX I
Coordinates of Selected Features
City of Durham Parks - Lyon Park (NONCD0000822)
1101 Cornell Street & 1200 W. Lakewood Avenue, Durham, Durham County, North Carolina
S&ME Project No. 23050630 Task Order RI-8

Site Feature	Type	Location			
		Latitude	Longitude	Northing	Easting
LFGP-1	Landfill Gas Probe	35.989134	-78.919045	814952.60	2023949.75
LFGP-2	Landfill Gas Probe	35.988836	-78.918594	814844.27	2024083.09
LFGP-3	Landfill Gas Probe	35.988661	-78.918253	814780.73	2024184.13
LFGP-4	Landfill Gas Probe	35.988847	-78.917925	814848.44	2024281.00
LFGP-5	Landfill Gas Probe	35.989127	-78.917721	814950.52	2024341.42
LFGP-6	Landfill Gas Probe	35.988468	-78.916725	814710.94	2024636.21
LFGP-7	Landfill Gas Probe	35.988171	-78.917032	814602.60	2024545.59
LFGP-8	Landfill Gas Probe	35.987902	-78.917278	814504.69	2024472.67
LFGP-9	Landfill Gas Probe	35.987699	-78.917479	814430.73	2024413.29
LFGP-10	Landfill Gas Probe	35.986638	-78.918843	814044.27	2024010.17
MW-1	Monitor Well	35.989006	-78.918318	814906.28	2024164.73
MW-2	Monitor Well	35.989213	-78.918011	814981.52	2024255.41
MW-3	Monitor Well	35.988809	-78.918136	814834.48	2024218.66
MW-4	Monitor Well	35.987348	-78.918695	814302.60	2024053.84
MW-5	Monitor Well	35.986902	-78.918935	814140.15	2023983.03
MW-6	Monitor Well	35.987355	-78.917305	814305.32	2024465.01
MW-7	Monitor Well	35.987666	-78.916663	814418.72	2024654.72
A-MW-1	Monitor Well	35.988423	-78.916286	814694.60	2024766.24
A-MW-2	Monitor Well	35.988504	-78.916714	814724.04	2024639.44
A-MW-3	Monitor Well	35.988287	-78.916911	814644.91	2024581.37
A-MW-4	Monitor Well	35.988331	-78.916643	814661.01	2024660.48
A-MW-5	Monitor Well	35.987817	-78.917190	814473.64	2024499.00
A-MW-6	Monitor Well	35.987719	-78.917030	814437.92	2024546.23
A-MW-7	Monitor Well	35.988308	-78.917658	814652.46	2024360.14
A-MW-8	Monitor Well	35.988008	-78.917812	814542.99	2024314.65
A-MW-9	Monitor Well	35.987576	-78.918116	814385.85	2024225.12
SW-1/SED-1	Surface Water Sediment	35.989313	-78.917346	815018.14	2024452.24
SW-2/SED-2	Surface Water Sediment	35.988867	-78.917544	814855.95	2024393.87
SW-3/SED-3	Surface Water Sediment	35.988441	-78.917781	814700.57	2024323.86
SW-4/SED-4	Surface Water Sediment	35.987985	-78.918350	814534.54	2024155.57
SW-5/SED-5	Surface Water Sediment	35.987520	-78.918714	814365.35	2024047.96
SW-6/SED-6	Surface Water Sediment	35.987100	-78.918892	814212.20	2023995.40
SW-7/SED-7	Surface Water Sediment	35.986751	-78.919216	814084.97	2023899.71
SW-8/SED-8	Surface Water Sediment	35.986510	-78.919263	813997.25	2023885.95
SW-9/SED-9	Surface Water Sediment	35.985975	-78.919338	813802.73	2023863.93

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

Appendix II – Well Construction Records for LFGP and MW

Print Form

WELL CONSTRUCTION RECORD (GW-1)

For Internal Use Only:

1. Well Contractor Information:

T. Bohyard
Well Contractor Name

3307
NC Well Contractor Certification Number

Environmental Drilling & Probing Services, LLC.
Company Name

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

3. Well Use (check well use):

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

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

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

4. Date Well(s) Completed: 8/6 - 8/8, 8/11 - 8/14 2025 **Well ID#** LFGP-1

5a. Well Location:

Lyon Park
Facility/Owner Name

Facility ID# (if applicable)

1101 Cornell St. & 1200 W. Lakewood Ave. Durham, NC
Physical Address, City, and Zip

Durham
County

Parcel Identification No (PIN)

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

_____ N _____ W

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

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

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

9. Total well depth below land surface: 1 @ 11 (ft.)
For multiple wells list all depths if different (example- 3@200' and 2@100')

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

11. Borehole diameter: 3 (in.)

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

FOR WATER SUPPLY WELLS ONLY:

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

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

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

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

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		

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

FROM	TO	DIAMETER	THICKNESS	MATERIAL
6 ft.	0 ft.	1 in.	Sch. 40	PVC
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
11 ft.	6 ft.	1 in.	0.01	Sch. 40	PVC
ft.	ft.	in.			

18. GROUT

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

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
11 ft.	5 ft.	#2 med.	pour
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

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

21. REMARKS

22. Certification:

_____ 8/27/25
Signature of Certified Well Contractor — Date

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

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

SUBMITTAL INSTRUCTIONS

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

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

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

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

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

WELL CONSTRUCTION RECORD (GW-1)

For Internal Use Only:

1. Well Contractor Information:

T. Bolyard
Well Contractor Name

3307
NC Well Contractor Certification Number

Environmental Drilling & Probing Services, LLC.
Company Name

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

3. Well Use (check well use):

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

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

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

4. Date Well(s) Completed: 8/6-8/8, 8/11-8/14, 2025 **Well ID#** LFGP-2

5a. Well Location:

Lyon Park
Facility/Owner Name

Facility ID# (if applicable)

1101 Cornell St. & 1200 W. Lakewood Ave. Durham, NC
Physical Address, City, and Zip

Durham
County

Parcel Identification No (PIN)

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

_____ N _____ W

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

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

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

9. Total well depth below land surface: 16 (ft.)
For multiple wells list all depths if different (example- 3@200' and 2@100')

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

11. Borehole diameter: 3 (in.)

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

FOR WATER SUPPLY WELLS ONLY:

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

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

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

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

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		

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

FROM	TO	DIAMETER	THICKNESS	MATERIAL
3 ft.	0 ft.	1 in.	Sch. 40	PVC
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
16 ft.	3 ft.	1 in.	0.01	Sch. 40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
3 ft.	2 ft.	Bentonite	pour
2 ft.	0 ft.	Grout	pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
16 ft.	3 ft.	#2 med.	pour
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

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

21. REMARKS

22. Certification:

_____ 8/27/25
Signature of Certified Well Contractor — Date

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

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

SUBMITTAL INSTRUCTIONS

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

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

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

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

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

WELL CONSTRUCTION RECORD (GW-1)

For Internal Use Only:

1. Well Contractor Information:

T. Bolyard
Well Contractor Name

3307
NC Well Contractor Certification Number

Environmental Drilling & Probing Services, LLC.
Company Name

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

3. Well Use (check well use):

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

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

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

4. Date Well(s) Completed: 8/6 - 8/8, 8/11 - 8/14, 2025 **Well ID#** LFGP-3

5a. Well Location:

Lyon Park
Facility/Owner Name

Facility ID# (if applicable)

1101 Cornell St. & 1200 W. Lakewood Ave. Durham, NC
Physical Address, City, and Zip

Durham
County

Parcel Identification No (PIN)

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

_____ N _____ W

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

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

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

9. Total well depth below land surface: 1 @ 6 (ft.)
For multiple wells list all depths if different (example- 3@200' and 2@100')

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

11. Borehole diameter: 3 (in.)

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

FOR WATER SUPPLY WELLS ONLY:

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

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

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

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

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		

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

FROM	TO	DIAMETER	THICKNESS	MATERIAL
3 ft.	0 ft.	1 in.	Sch. 40	PVC
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
6 ft.	3 ft.	1 in.	0.01	Sch. 40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
3 ft.	2 ft.	Bentonite	pour
2 ft.	0 ft.	Grout	pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
6 ft.	3 ft.	#2 med.	pour
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

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

21. REMARKS

22. Certification:

_____ 8/27/25
Signature of Certified Well Contractor — Date

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

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

SUBMITTAL INSTRUCTIONS

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

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

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

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

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

WELL CONSTRUCTION RECORD (GW-1)

For Internal Use Only:

1. Well Contractor Information:

T. Bohard
Well Contractor Name

3307
NC Well Contractor Certification Number

Environmental Drilling & Probing Services, LLC.
Company Name

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

3. Well Use (check well use):

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

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

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

4. Date Well(s) Completed: 8/6 - 8/8 / 8/11 - 8/14 2025 **Well ID#** LFGP-4

5a. Well Location:

Lyon Park
Facility/Owner Name

Facility ID# (if applicable)

1101 Cornell St. & 1200 W. Lakewood Ave. Durham, NC
Physical Address, City, and Zip

Durham
County

Parcel Identification No (PIN)

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

_____ N _____ W

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

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

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

9. Total well depth below land surface: 1 @ 6 (ft.)
For multiple wells list all depths if different (example- 3@200' and 2@100')

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

11. Borehole diameter: 3 (in.)

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

FOR WATER SUPPLY WELLS ONLY:

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

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

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

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

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		

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

FROM	TO	DIAMETER	THICKNESS	MATERIAL
3 ft.	0 ft.	1 in.	Sch. 40	PVC
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
6 ft.	3 ft.	1 in.	0.01	Sch. 40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
3 ft.	2 ft.	Bentonite	pour
2 ft.	0 ft.	Grout	pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
6 ft.	3 ft.	#2 med.	pour
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

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

21. REMARKS

22. Certification:

_____ 8/27/25
Signature of Certified Well Contractor — Date

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

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

SUBMITTAL INSTRUCTIONS

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

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

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

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

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

WELL CONSTRUCTION RECORD (GW-1)

For Internal Use Only:

1. Well Contractor Information:

T. Bolyard
Well Contractor Name

3307
NC Well Contractor Certification Number

Environmental Drilling & Probing Services, LLC.
Company Name

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

3. Well Use (check well use):

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

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

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

4. Date Well(s) Completed: 8/6 - 8/8 / 8/11 - 8/14 2025 **Well ID#** LFGP-5

5a. Well Location:

Lyon Park
Facility/Owner Name

Facility ID# (if applicable)

1101 Cornell St. & 1200 W. Lakewood Ave. Durham, NC
Physical Address, City, and Zip

Durham
County

Parcel Identification No (PIN)

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

_____ N _____ W

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

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

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

9. Total well depth below land surface: 10 @ 6 (ft.)
For multiple wells list all depths if different (example- 3@200' and 2@100')

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

11. Borehole diameter: 3 (in.)

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

FOR WATER SUPPLY WELLS ONLY:

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

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

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

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

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		

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

FROM	TO	DIAMETER	THICKNESS	MATERIAL
3 ft.	0 ft.	1 in.	Sch. 40	PVC
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
6 ft.	3 ft.	1 in.	0.01	Sch. 40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
3 ft.	2 ft.	Bentonite	POUR
2 ft.	0 ft.	Grout	POUR
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
6 ft.	3 ft.	#2 med.	POUR
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

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

21. REMARKS

22. Certification:

_____ 8/27/25
Signature of Certified Well Contractor — Date

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

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

SUBMITTAL INSTRUCTIONS

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

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

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

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

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

WELL CONSTRUCTION RECORD (GW-1)

Print Form

For Internal Use Only:

1. Well Contractor Information:

T. Bolyard
Well Contractor Name

3307
NC Well Contractor Certification Number

Environmental Drilling & Probing Services, LL
Company Name

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

3. Well Use (check well use):

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

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

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

4. Date Well(s) Completed: 8/6 - 8/8, 8/11 - 8/14 2025 **Well ID#** LFGP-6

5a. Well Location:

Lyon Park
Facility/Owner Name

Facility ID# (if applicable)

1101 Cornell St. & 1200 W Lakewood Ave. Durham, NC
Physical Address, City, and Zip

Durham
County

Parcel Identification No. (PIN)

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

_____ N _____ W

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

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

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

9. Total well depth below land surface: 16@4 (ft.)
For multiple wells list all depths if different (example- 3@200' and 2@100')

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

11. Borehole diameter: 3 (in.)

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

FOR WATER SUPPLY WELLS ONLY:

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

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

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

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

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		

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

FROM	TO	DIAMETER	THICKNESS	MATERIAL
3.5 ft.	0 ft.	1/4 in.	Teflon	Tubing
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
ft.	ft.	1/2 in.	SVP 55	1/2 - 1/4	S. Steel
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
3 ft.	0 ft.	#16 bent.	(granulated Bentonite)
ft.	ft.		
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
4 ft.	3 ft.	#2 med	pour
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

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

21. REMARKS

22. Certification:

_____ 8/27/25
Signature of Certified Well Contractor — Date

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

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

SUBMITTAL INSTRUCTIONS

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

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

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

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

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

WELL CONSTRUCTION RECORD (GW-1)

For Internal Use Only:

1. Well Contractor Information:

T. Bolyard
Well Contractor Name

3307
NC Well Contractor Certification Number

Environmental Drilling & Probing Services, LLC.
Company Name

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

3. Well Use (check well use):

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

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

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

4. Date Well(s) Completed: 8/6-8/8 / 8/11-8/14 2025 **Well ID#** LFGP-7

5a. Well Location:

Lyon Park
Facility/Owner Name

Facility ID# (if applicable)

1101 Cornell St. & 1200 W. Lakewood Ave. Durham, NC
Physical Address, City, and Zip

Durham
County

Parcel Identification No (PIN)

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

_____ N _____ W

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

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

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

9. Total well depth below land surface: 1@7 (ft.)
For multiple wells list all depths if different (example- 3@200' and 2@100')

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

11. Borehole diameter: 3 (in.)

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

FOR WATER SUPPLY WELLS ONLY:

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

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

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

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

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		

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

FROM	TO	DIAMETER	THICKNESS	MATERIAL
4 ft.	0 ft.	1 in.	sch.40	PVC
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
7 ft.	4 ft.	1 in.	0.01	sch. 40	PVC
ft.	ft.	in.			

18. GROUT

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

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
7 ft.	4 ft.	#2 med.	pour
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

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

21. REMARKS

22. Certification:

_____ 8/27/25
Signature of Certified Well Contractor — Date

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

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

SUBMITTAL INSTRUCTIONS

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

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

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

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

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

WELL CONSTRUCTION RECORD (GW-1)

For Internal Use Only:

1. Well Contractor Information:

T. Bolyard
Well Contractor Name

3307
NC Well Contractor Certification Number

Environmental Drilling & Probing Services, LLC.
Company Name

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

3. Well Use (check well use):

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

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

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

4. Date Well(s) Completed: 8/6-8/8, 8/11-8/14, 2025 **Well ID#** LFGP-8

5a. Well Location:

Lyon Park
Facility/Owner Name

Facility ID# (if applicable)

1101 Cornell St. & 1200 W. Lakewood Ave. Durham, NC
Physical Address, City, and Zip

Durham
County

Parcel Identification No (PIN)

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

_____ N _____ W

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

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

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

9. Total well depth below land surface: 1 @ 11 (ft.)
For multiple wells list all depths if different (example- 3@200' and 2@100')

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

11. Borehole diameter: 3 (in.)

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

FOR WATER SUPPLY WELLS ONLY:

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

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

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

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

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		

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

FROM	TO	DIAMETER	THICKNESS	MATERIAL
6 ft.	10 ft.	1 in.	Sch. 40	PVC
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
11 ft.	6 ft.	1 in.	0.01	Sch. 40	PVC
ft.	ft.	in.			

18. GROUT

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

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
11 ft.	5 ft.	#2 med.	POUR
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

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

21. REMARKS

22. Certification:

_____ 8/27/25
Signature of Certified Well Contractor — Date

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

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

SUBMITTAL INSTRUCTIONS

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

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

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

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

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

WELL CONSTRUCTION RECORD (GW-1)

For Internal Use Only:

1. Well Contractor Information:

T. Bolyard
Well Contractor Name

3307
NC Well Contractor Certification Number

Environmental Drilling & Probing Services, LLC.
Company Name

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

3. Well Use (check well use):

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

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

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

4. Date Well(s) Completed: 8/6 - 8/8 / 8/11 - 8/14/2025 **Well ID#** LFGP-9

5a. Well Location:

Lyon Park
Facility/Owner Name

Facility ID# (if applicable)

1101 Cornell St. & 1200 W. Lakewood Ave. Durham, NC
Physical Address, City, and Zip

Durham
County

Parcel Identification No (PIN)

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

_____ N _____ W

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

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

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

9. Total well depth below land surface: 1 @ 11 (ft.)
For multiple wells list all depths if different (example- 3@200' and 2@100')

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

11. Borehole diameter: 3 (in.)

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

FOR WATER SUPPLY WELLS ONLY:

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

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

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

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

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		

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

FROM	TO	DIAMETER	THICKNESS	MATERIAL
6 ft.	0 ft.	1 in.	Sch. 40	PVC
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
11 ft.	6 ft.	1 in.	0.01	Sch. 40	PVC
ft.	ft.	in.			

18. GROUT

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

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
11 ft.	5 ft.	#2 med.	pour
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

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

21. REMARKS

22. Certification:

_____ 8/27/25
Signature of Certified Well Contractor — Date

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

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

SUBMITTAL INSTRUCTIONS

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

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

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

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

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

WELL CONSTRUCTION RECORD (GW-1)

Print Form

For Internal Use Only:

1. Well Contractor Information:

T. Bolyard
Well Contractor Name

3307
NC Well Contractor Certification Number

Environmental Drilling & Probing Services, LLC
Company Name

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

3. Well Use (check well use):

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

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

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

4. Date Well(s) Completed: 8/6 - 8/8, 8/11 - 8/14, 2025 **Well ID#** LFGP-10

5a. Well Location:

Lyon Park
Facility/Owner Name

Facility ID# (if applicable)

1101 Cornell St. & 1200 W. Lakewood Ave. Durham, NC
Physical Address, City, and Zip

Durham
County

Parcel Identification No. (PIN)

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

_____ N _____ W

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

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

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

9. Total well depth below land surface: 1@4 (ft.)
For multiple wells list all depths if different (example- 3@200' and 2@100')

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

11. Borehole diameter: 3 (in.)

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

FOR WATER SUPPLY WELLS ONLY:

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

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

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

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

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		

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

FROM	TO	DIAMETER	THICKNESS	MATERIAL
3.5 ft.	0 ft.	1/4 in.	Teflon	Tubing
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
ft.	ft.	1/2 in.	SVP 55	1/2 - 1/4	S. Steel
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
3 ft.	0 ft.	#16 bent.	(granulated Bentonite)
ft.	ft.		
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
4 ft.	3 ft.	#1-2 med	pour
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

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

21. REMARKS

22. Certification:

_____ 8/27/25
Signature of Certified Well Contractor — Date

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

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

SUBMITTAL INSTRUCTIONS

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

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

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

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

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

Print Form

WELL CONSTRUCTION RECORD (GW-1)

For Internal Use Only:

1. Well Contractor Information:

T. Bolyard
Well Contractor Name

3307
NC Well Contractor Certification Number

Environmental Drilling & Probing Services, LLC.
Company Name

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

3. Well Use (check well use):

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

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

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

4. Date Well(s) Completed: 8/6-8/8 / 8/11-8/14 2025 **Well ID#** MW-1

5a. Well Location:

Lyon Park
Facility/Owner Name

Facility ID# (if applicable)

1101 Cornell St. & 1200 W. Lakewood Ave, Durham, NC
Physical Address, City, and Zip

Durham
County

Parcel Identification No (PIN)

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

_____ N _____ W

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

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

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

9. Total well depth below land surface: 1 @ 31.5 **(ft.)**
For multiple wells list all depths if different (example- 3@200' and 2@100')

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

11. Borehole diameter: 6 **(in.)**

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

FOR WATER SUPPLY WELLS ONLY:

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

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

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

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

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		

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

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

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
31.5 ft.	16.5 ft.	2 in.	0.01	Sch.40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
14.5 ft.	12.5 ft.	Bentonite	pour
12.5 ft.	0 ft.	Grout	pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
31.5 ft.	14.5 ft.	#2 med.	pour
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

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

21. REMARKS

22. Certification:

_____ 8/27/25
Signature of Certified Well Contractor — Date

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

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

SUBMITTAL INSTRUCTIONS

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

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

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

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

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

Print Form

WELL CONSTRUCTION RECORD (GW-1)

For Internal Use Only:

1. Well Contractor Information:

T. Bolyard
Well Contractor Name

3307
NC Well Contractor Certification Number

Environmental Drilling & Probing Services, LLC.
Company Name

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

3. Well Use (check well use):

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

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

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

4. Date Well(s) Completed: 8/6 - 8/8 / 8/11 - 8/14 2025 **Well ID#** MW-2

5a. Well Location:

Lyon Park
Facility/Owner Name

Facility ID# (if applicable)

1101 Cornell St. & 1200 W. Lakewood Ave, Durham, NC
Physical Address, City, and Zip

Durham
County

Parcel Identification No. (PIN)

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

_____ N _____ W

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

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

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

9. Total well depth below land surface: 1 @ 31.5 (ft.)
For multiple wells list all depths if different (example- 3@200' and 2@100')

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

11. Borehole diameter: 6 (in.)

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

FOR WATER SUPPLY WELLS ONLY:

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

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

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

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

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		

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

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

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
31.5 ft.	16.5 ft.	2 in.	0.01	Sch.40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
14.5 ft.	12.5 ft.	Bentonite	pour
12.5 ft.	0 ft.	Grout	pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
31.5 ft.	14.5 ft.	#2 med.	pour
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

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

21. REMARKS

22. Certification:

_____ 8/27/25
Signature of Certified Well Contractor — Date

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

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

SUBMITTAL INSTRUCTIONS

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

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

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

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

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

Print Form

WELL CONSTRUCTION RECORD (GW-1)

For Internal Use Only:

1. Well Contractor Information:

T. Bolyard
Well Contractor Name

3307
NC Well Contractor Certification Number

Environmental Drilling & Probing Services, LLC.
Company Name

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

3. Well Use (check well use):

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

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

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

4. Date Well(s) Completed: 8/6 - 8/8 / 8/11 - 8/14 2025 **Well ID#** MW-3

5a. Well Location:
Lyon Park
Facility/Owner Name

Facility ID# (if applicable)

1101 Cornell St. & 1200 W. Lakewood Ave, Durham, NC
Physical Address, City, and Zip

Durham
County

Parcel Identification No. (PIN)

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

_____ N _____ W

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

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

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

9. Total well depth below land surface: 1 @ 46 (ft.)
For multiple wells list all depths if different (example- 3@200' and 2@100')

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

11. Borehole diameter: 6 (in.)

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

FOR WATER SUPPLY WELLS ONLY:

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

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

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

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

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		

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

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

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
46 ft.	31 ft.	2 in.	0.01	Sch.40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
29 ft.	27 ft.	Bentonite	pour
27 ft.	0 ft.	Grout	pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
46 ft.	29 ft.	#2 med.	pour
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

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

21. REMARKS

22. Certification:

_____ 8/27/25
Signature of Certified Well Contractor — Date

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

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

SUBMITTAL INSTRUCTIONS

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

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

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

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

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

Print Form

WELL CONSTRUCTION RECORD (GW-1)

For Internal Use Only:

1. Well Contractor Information:

T. Bolyard
Well Contractor Name

3307
NC Well Contractor Certification Number

Environmental Drilling & Probing Services, LLC.
Company Name

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

3. Well Use (check well use):

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

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

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

4. Date Well(s) Completed: 8/6 - 8/8 / 8/11 - 8/14 2025 **Well ID#** MW-6

5a. Well Location:

Lyon Park
Facility/Owner Name

Facility ID# (if applicable)

1101 Cornell St. & 1200 W. Lakewood Ave, Durham, NC
Physical Address, City, and Zip

Durham
County

Parcel Identification No. (PIN)

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

_____ N _____ W

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

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

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

9. Total well depth below land surface: 1@56 (ft.)
For multiple wells list all depths if different (example- 3@200' and 2@100')

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

11. Borehole diameter: 6 (in.)

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

FOR WATER SUPPLY WELLS ONLY:

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

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

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

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

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		

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

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

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
56 ft.	36 ft.	2 in.	0.01	Sch.40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
34 ft.	32 ft.	Bentonite	pour
32 ft.	0 ft.	Grout	pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
56 ft.	34 ft.	#2 med.	pour
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

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

21. REMARKS

22. Certification:

_____ 8/27/25
Signature of Certified Well Contractor — Date

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

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

SUBMITTAL INSTRUCTIONS

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

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

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

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

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

Print Form

WELL CONSTRUCTION RECORD (GW-1)

For Internal Use Only:

1. Well Contractor Information:

T. Bolyard
Well Contractor Name

3307
NC Well Contractor Certification Number

Environmental Drilling & Probing Services, LLC.
Company Name

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

3. Well Use (check well use):

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

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

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

4. Date Well(s) Completed: 8/6 - 8/8 and 8/11 - 8/14 2025 **Well ID#** MW-7

5a. Well Location:

Lyon Park
Facility/Owner Name

Facility ID# (if applicable)

1101 Cornell St. & 1200 W. Lakewood Ave, Durham, NC
Physical Address, City, and Zip

Durham
County

Parcel Identification No. (PIN)

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

_____ N _____ W

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

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

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

9. Total well depth below land surface: 1 @ 26 (ft.)
For multiple wells list all depths if different (example- 3@200' and 2@100')

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

11. Borehole diameter: 6 (in.)

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

FOR WATER SUPPLY WELLS ONLY:

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

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

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

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

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		

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

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

17. SCREEN

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

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
14 ft.	12 ft.	Bentonite	pour
12 ft.	0 ft.	Grout	pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
26 ft.	14 ft.	#2 Med.	pour
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

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

21. REMARKS

22. Certification:

_____ 8/27/25
Signature of Certified Well Contractor — Date

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

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

SUBMITTAL INSTRUCTIONS

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

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

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

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

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

Print Form

WELL CONSTRUCTION RECORD (GW-1)

For Internal Use Only:

1. Well Contractor Information:

T. Bolyard

Well Contractor Name

3307

NC Well Contractor Certification Number

Environmental Drilling & Probing Services, LLC.

Company Name

2. Well Construction Permit #: _____

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

3. Well Use (check well use):

Water Supply Well:

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

Non-Water Supply Well:

- ☑ Monitoring
- ☐ Recovery

Injection Well:

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

4. Date Well(s) Completed: 8/6 - 8/8 / 8/11 - 8/14 2025 **Well ID#** MW-11

5a. Well Location:

Lyon Park

Facility/Owner Name

Facility ID# (if applicable)

1101 Cornell St. & 1200 W. Lakewood Ave, Durham, NC

Physical Address, City, and Zip

Durham

County

Parcel Identification No. (PIN)

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

_____ N _____ W

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

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

If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

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

9. Total well depth below land surface: 1 @ 25.5 (ft.)
For multiple wells list all depths if different (example- 3@200' and 2@100')

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

11. Borehole diameter: 6 (in.)

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

FOR WATER SUPPLY WELLS ONLY:

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

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

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

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

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		

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

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

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
25.5 ft.	15.5 ft.	2 in.	0.01	Sch.40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
13.5 ft.	11.5 ft.	Bentonite	pour
11.5 ft.	0 ft.	Grout	pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
25.5 ft.	13.5 ft.	#2 med.	pour
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

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

21. REMARKS

22. Certification:

_____ 8/27/25

Signature of Certified Well Contractor — Date

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

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

SUBMITTAL INSTRUCTIONS

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

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

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

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

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

Print Form

WELL CONSTRUCTION RECORD (GW-1)

For Internal Use Only:

1. Well Contractor Information:

T. Bolyard
Well Contractor Name

3307
NC Well Contractor Certification Number

Environmental Drilling & Probing Services, LLC.
Company Name

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

3. Well Use (check well use):

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

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

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

4. Date Well(s) Completed: 8/6-8/8 / 8/11-8/14/2025 **Well ID#** MW-12

5a. Well Location:

Lyon Park
Facility/Owner Name

Facility ID# (if applicable)

1101 Cornell St. & 1200 W. Lakewood Ave, Durham, NC
Physical Address, City, and Zip

Durham
County

Parcel Identification No (PIN)

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

_____ N _____ W

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

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

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

9. Total well depth below land surface: 1 @ 26 (ft.)
For multiple wells list all depths if different (example- 3@200' and 2@100')

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

11. Borehole diameter: 6 (in.)

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

FOR WATER SUPPLY WELLS ONLY:

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

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

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

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

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		

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

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

17. SCREEN

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

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
14 ft.	12 ft.	Bentonite	pour
12 ft.	0 ft.	Grout	pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
26 ft.	14 ft.	#2 med.	pour
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

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

21. REMARKS

22. Certification:

_____ 8/27/25
Signature of Certified Well Contractor — Date

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

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1617 Mail Service Center, Raleigh, NC 27699-1617

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

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

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

Appendix III – S&ME Field Notes

Environmental Field Report	
Date: 2025-05-30	**Job Number:** 23050630
Project Name: City of Durham Parks Lyon Park SED/SW Sampling	**Weather/Temperature:**
Project Location: 1101 Cornell St. & 1200 W. Lakewood Ave, Durham, NC	
Notes By: ☒ ☐	**Present at the Site:** Jonathan Olanin Bob Walton

Equipment Used
iPad
Sampling Tools
Multipurpose Meter
Turbidity Meter
Trimble GPS Unit "E"

Purpose: Sample the sediment and surface water along the waterway at Lyon Park.

0830 - Arrive at the site. Scout the park area.

- Calibration of the multipurpose meter (Hanna HI98129):

Calibration of the turbidity meter (LaMotte 2020wi 1803-0312)

- Set out to sample the sediment and surface water at the designated locations. See the table below for sampling times, data, and information. I log location waypoints at the sampling locations with the Trimble GPS Unit "E."

Sampling Time	Sediment ID	Surface Water ID	pH	Conductivity (uS/cm)	Temperature (°C)	Turbidity (NTU)	Relative Flow
0910	SED-9	SW-9	7.87	261	20.0	7.40	Low
0955	SED-8	SW-8	7.86	227	19.6	12.72	Low
1025	SED-7	SW-7	7.83	227	19.6	8.06	Low
1125	SED-6	SW-6	7.87	275	19.9	6.00	Low
1125	SED-DUP	SW-DUP	7.87	275	19.9	6.00	Low
1215	SED-5	SW-5	7.81	279	20.4	6.13	Low
1335	SED-4	SW-4	7.90	298	19.9	5.53	Low
1400	SED-3	SW-3	8.02	303	20.6	6.28	Low
1435	SED-2	SW-2	8.03	294	20.6	6.32	Low
1520	SED-1	SW-1	8.11	183.6	21.6	18.01	Low

Hours	Mileage	Signature of S&ME Personnel
8.0	50	~~James A. Waters~~ Jonathan Olanin

GROUNDWATER SAMPLING FORM

Project Name:	Durham Parks - Lyon Park		
Project Location:	Durham, Durham County, North Carolina		
Project Number:		Purge Date:	August 25, 2025
Source Well:	**A-MW-1**	Purge Time (Min.):	20
Locked?:	No	Sample Date:	August 25, 2025
Sampled By:	C. Faircloth, R. Moore	Sample Time:	16:35
Weather:	Sunny	Air Temp:	80 ° F

Equipment Calibration Information:

Equipment	Date	Time	Calibration Solution	Calibration Check
pH	8/25/25	09:30	4.00, 7.00, 10.00	4.0 7.0 10.0
Conductivity	8/25/25	09:30	1,413 µS/cm	1,413 µS/cm

Water Level & Well Data

Measuring Point:	Top of Casing	
Depth to Water:	19.00	ft-TOC
Total Well Depth:	27.00	ft-TOC
Height of Water Column:	8.00	feet
Screen Length:	10	ft-GRD
Stickup Height:	0	ft-GRD

Well Volume		
Well Diameter	2	inch
Well Volume	1.3	gal
3 * Well Volume	3.9	gal
5 * Well Volume	6.5	gal

Well Purging Information

Purge Method: Peristaltic Pump **Purge Start Time:** 16:00 **End Time:** 16:20

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

Field Parameters

Cumulative Volume (Gal)	Time	pH (s.u.)	Temp (°C)	Cond µS/cm	Turbidity (NTU)	Comments
	16:00					
0.2	16:05	6.6	21.1	1,256	19	
0.5	16:10	6.5	20.9	1,208	18	
0.7	16:15	6.6	20.9	1,182	22	
1.0	16:20	6.6	21.2	1,115	10	

Sample Method: Peristaltic Pump **Sample Time:** 16:35

Analytical Data

Method	Qty	Container	Pres.	Method	Qty	Container	Pres.
VOCs 8260	3	40mL VOAs	HCl				
SVOCs 8270	2	250mL A	None				
Metals 6020 (Total)	2	250mL A	None				
EPH MADEP	2	60mL VOAs	HCl				

Name	Signature	Date
(1) Clay Faircloth		12/17/2025

Notes:

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

GROUNDWATER SAMPLING FORM

Project Name:	Durham Parks - Lyon park		
Project Location:	Durham, Durham County, North Carolina		
Project Number:		Purge Date:	August 25, 2025
Source Well:	**A-MW-2**	Purge Time (Min.):	20
Locked?:	No	Sample Date:	August 25, 2025
Sampled By:	C. Faircloth, R. Moore	Sample Time:	17:30
Weather:	Sunny	Air Temp:	80 ° F

Equipment Calibration Information:

Equipment	Date	Time	Calibration Solution	Calibration Check		
pH	8/25/25	09:00	4.00, 7.00, 10.00	4.0	7.0	10.0
Conductivity	8/25/25	09:00	1,413 µS/cm		1,413 µS/cm	

Water Level & Well Data

Measuring Point:	Top of Casing	
Depth to Water:	16.00	ft-TOC
Total Well Depth:	23.00	ft-TOC
Height of Water Column:	7.00	feet
Screen Length:	5	ft-GRD
Stickup Height:	0	ft-GRD

Well Volume		
Well Diameter	2	inch
Well Volume	1.1	gal
3 * Well Volume	3.4	gal
5 * Well Volume	5.7	gal

Well Purging Information

Purge Method: Peristaltic Pump **Purge Start Time:** 17:05 **End Time:** 17:25

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

Field Parameters

Cumulative Volume (Gal)	Time	pH (s.u.)	Temp (°C)	Cond µS/cm	Turbidity (NTU)	Comments
	17:05					
0.3	17:10	6.6	23.3	1,201	3.2	
0.6	17:15	6.6	20.3	1,133	2.1	
0.9	17:20	6.6	20.4	1,144	1.0	
1.2	17:25	6.6	20.1	1,135	1.0	

Sample Method: Peristaltic Pump **Sample Time:** 17:30

Analytical Data

Method	Qty	Container	Pres.	Method	Qty	Container	Pres.
VOCs 8260	3	40mL VOAs	HCl				
SVOCs 8270	2	250mL A	None				
Metals 6020 (Total)	2	250mL A	None				
EPH MADEP	2	60mL VOAs	HCl				

Name	Signature	Date
(1) Clay Faircloth		12/17/2025

Notes:

GROUNDWATER SAMPLING FORM

Project Name:	Durham Parks - Lyon park		
Project Location:	Durham, Durham County, North Carolina		
Project Number:		Purge Date:	August 26, 2025
Source Well:	**A-MW-3**	Purge Time (Min.):	30
Locked?:	No	Sample Date:	August 26, 2025
Sampled By:	C. Faircloth, R. Moore	Sample Time:	11:30
Weather:	Sunny	Air Temp:	80 ° F

Equipment Calibration Information:

Equipment	Date	Time	Calibration Solution	Calibration Check		
pH	8/26/25	09:00	4.00, 7.00, 10.00	4.0	7.0	10.0
Conductivity	8/26/25	09:00	1,413 µS/cm	1,413 µS/cm		

Water Level & Well Data

Measuring Point:	Top of Casing	
Depth to Water:	13.83	ft-TOC
Total Well Depth:	27.00	ft-TOC
Height of Water Column:	13.17	feet
Screen Length:	5	ft-GRD
Stickup Height:	0	ft-GRD

Well Volume		
Well Diameter	2	inch
Well Volume	2.1	gal
3 * Well Volume	6.4	gal
5 * Well Volume	10.7	gal

Well Purging Information

Purge Method: Peristaltic Pump **Purge Start Time:** 10:55 **End Time:** 11:25

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

Field Parameters

Cumulative Volume (Gal)	Time	pH (s.u.)	Temp (°C)	Cond µS/cm	Turbidity (NTU)	Comments
	10:55					
0.3	11:00	6.3	23.4	630	10	
0.7	11:05	6.3	23.7	606	5.9	
1.0	11:10	6.3	23.8	576	8.8	
1.4	11:15	6.3	23.7	597	13	
1.7	11:20	6.3	23.4	617	8.5	
2.1	11:25	6.3	23.5	634	5.6	

Sample Method: Peristaltic Pump **Sample Time:** 11:30

Analytical Data

Method	Qty	Container	Pres.	Method	Qty	Container	Pres.
VOCs 8260	3	40mL VOAs	HCl				
SVOCs 8270	2	250mL A	None				
Metals 6020 (Total)	2	250mL A	None				
EPH MADEP	2	60mL VOAs	HCl				

Name	Signature	Date
(1) Clay Faircloth		12/17/2025

Notes:

GROUNDWATER SAMPLING FORM

Project Name:	Durham Parks - Lyon park		
Project Location:	Durham, Durham County, North Carolina		
Project Number:		Purge Date:	August 26, 2025
Source Well:	**A-MW-4**	Purge Time (Min.):	25
Locked?:	No	Sample Date:	August 26, 2025
Sampled By:	C. Faircloth, R. Moore	Sample Time:	10:35
Weather:	Sunny	Air Temp:	80 ° F

Equipment Calibration Information:

Equipment	Date	Time	Calibration Solution	Calibration Check		
pH	8/26/25	09:00	4.00, 7.00, 10.00	4.0	7.0	10.0
Conductivity	8/26/25	09:00	1,413 µS/cm	1,413 µS/cm		

Water Level & Well Data

Measuring Point:	Top of Casing	
Depth to Water:	8.75	ft-TOC
Total Well Depth:	20.00	ft-TOC
Height of Water Column:	11.25	feet
Screen Length:	5	ft-GRD
Stickup Height:	0	ft-GRD

Well Volume		
Well Diameter	2	inch
Well Volume	1.8	gal
3 * Well Volume	5.5	gal
5 * Well Volume	9.2	gal

Well Purging Information

Purge Method: Peristaltic Pump **Purge Start Time:** 10:05 **End Time:** 10:30

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

Field Parameters

Cumulative Volume (Gal)	Time	pH (s.u.)	Temp (°C)	Cond µS/cm	Turbidity (NTU)	Comments
	10:05					
0.3	10:10	7.7	25.4	322	5.0	
0.6	10:15	7.8	25.1	286	3.1	
0.9	10:20	7.7	24.2	281	2.7	
1.2	10:25	7.7	23.7	287	4.5	
1.5	10:30	7.7	23.6	281	4.3	

Sample Method: Peristaltic Pump **Sample Time:** 10:35

Analytical Data

Method	Qty	Container	Pres.	Method	Qty	Container	Pres.
VOCs 8260	3	40mL VOAs	HCl				
SVOCs 8270	2	250mL A	None				
Metals 6020 (Total)	2	250mL A	None				
EPH MADEP	2	60mL VOAs	HCl				

Name	Signature	Date
(1) Clay Faircloth		12/17/2025

Notes:

GROUNDWATER SAMPLING FORM

Project Name:	Durham Parks - Lyon park		
Project Location:	Durham, Durham County, North Carolina		
Project Number:		Purge Date:	August 27, 2025
Source Well:	**A-MW-5**	Purge Time (Min.):	
Locked?:	No	Sample Date:	August 27, 2025
Sampled By:	C. Faircloth	Sample Time:	
Weather:	Sunny	Air Temp:	80 ° F

Equipment Calibration Information:

Equipment	Date	Time	Calibration Solution	Calibration Check		
pH	8/27/25	09:00	4.00, 7.00, 10.00	4.0	7.0	10.0
Conductivity	8/27/25	09:00	1,413 µS/cm		1,413 µS/cm	

Water Level & Well Data

Measuring Point:	Top of Casing	
Depth to Water:	14.28	ft-TOC
Total Well Depth:	16.00	ft-TOC
Height of Water Column:	1.72	feet
Screen Length:	5	ft-GRD
Stickup Height:	0	ft-GRD

Well Volume		
Well Diameter	2	inch
Well Volume	0.3	gal
3 * Well Volume	0.8	gal
5 * Well Volume	1.4	gal

Well Purging Information

Purge Method: Peristaltic Pump **Purge Start Time:** **End Time:**

Total Volume Purged: 0.2 gal **Well Purged Dry?:** Yes

Field Parameters

Cumulative Volume (Gal)	Time	pH (s.u.)	Temp (°C)	Cond µS/cm	Turbidity (NTU)	Comments
0.2	13:30	6.3	25.4	694		

Sample Method: Peristaltic Pump **Sample Time:**

Analytical Data

Method	Qty	Container	Pres.	Method	Qty	Container	Pres.
VOCs 8260	3	40mL VOAs	HCl				
SVOCs 8270	2	250mL A	None				
Metals 6020 (Total)	2	250mL A	None				
EPH MADEP	2	60mL VOAs	HCl				

Name	Signature	Date
(1) Clay Faircloth		12/17/2025

Notes: Very little water in well, slow recharge. Taking 1 reading then sampling. Was unable to sample - allowed to recharge all afternoon and came back at end of day - well was dry.

GROUNDWATER SAMPLING FORM

Project Name:	Durham Parks - Lyon park		
Project Location:	Durham, Durham County, North Carolina		
Project Number:		Purge Date:	August 27, 2025
Source Well:	**A-MW-6**	Purge Time (Min.):	30
Locked?:	No	Sample Date:	August 27, 2025
Sampled By:	B. Governo	Sample Time:	13:35
Weather:	Sunny	Air Temp:	80 ° F

Equipment Calibration Information:

Equipment	Date	Time	Calibration Solution	Calibration Check		
pH	8/27/25	09:00	4.00, 7.00, 10.00	4.0	7.0	10.0
Conductivity	8/27/25	09:00	1,413 µS/cm	1,413 µS/cm		

Water Level & Well Data

Measuring Point:	Top of Casing	
Depth to Water:	15.82	ft-TOC
Total Well Depth:	29.00	ft-TOC
Height of Water Column:	13.18	feet
Screen Length:	5	ft-GRD
Stickup Height:	0	ft-GRD

Well Volume		
Well Diameter	2	inch
Well Volume	2.2	gal
3 * Well Volume	6.5	gal
5 * Well Volume	10.8	gal

Well Purging Information

Purge Method: Peristaltic Pump **Purge Start Time:** 13:00 **End Time:** 13:30

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

Field Parameters

Cumulative Volume (Gal)	Time	pH (s.u.)	Temp (°C)	Cond µS/cm	Turbidity (NTU)	Comments
	13:00	7.5	28.1	749	33	
0.2	13:05	7.4	24.6	706	21	
0.4	13:10	7.5	23.5	698	30	
0.6	13:15	7.5	23.5	694	25	
0.8	13:20	7.5	23.6	710	12	
1.0	13:25	7.5	23.6	708	5.6	
1.2	13:30	7.5	23.8	706	8.2	

Sample Method: Peristaltic Pump **Sample Time:** 13:35

Analytical Data

Method	Qty	Container	Pres.	Method	Qty	Container	Pres.
VOCs 8260	3	40mL VOAs	HCl				
SVOCs 8270	2	250mL A	None				
Metals 6020 (Total)	2	250mL A	None				
EPH MADEP	2	60mL VOAs	HCl				

Name	Signature	Date
(1) Clay Faircloth		12/17/2025

Notes:

GROUNDWATER SAMPLING FORM

Project Name:	Durham Parks - Lyon park		
Project Location:	Durham, Durham County, North Carolina		
Project Number:		Purge Date:	August 27, 2025
Source Well:	**A-MW-7**	Purge Time (Min.):	25
Locked?:	No	Sample Date:	August 27, 2025
Sampled By:	B. Governo	Sample Time:	18:00
Weather:	Sunny	Air Temp:	80 ° F

Equipment Calibration Information:

Equipment	Date	Time	Calibration Solution	Calibration Check		
pH	8/27/25	09:00	4.00, 7.00, 10.00	4.0	7.0	10.0
Conductivity	8/27/25	09:00	1,413 µS/cm		1,413 µS/cm	

Water Level & Well Data

Measuring Point:	Top of Casing	
Depth to Water:	5.93	ft-TOC
Total Well Depth:	23.34	ft-TOC
Height of Water Column:	17.41	feet
Screen Length:	5	ft-GRD
Stickup Height:	0	ft-GRD

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

Well Purging Information

Purge Method: Peristaltic Pump **Purge Start Time:** 17:30 **End Time:** 17:55

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

Field Parameters

Cumulative Volume (Gal)	Time	pH (s.u.)	Temp (°C)	Cond µS/cm	Turbidity (NTU)	Comments
	17:30	6.8	22.8	3	7.2	
0.2	17:35	6.9	21.1	3	7.2	
0.4	17:40	6.9	20.4	3	8.1	
0.6	17:45	6.9	20.3	3	7.3	
0.8	17:50	6.9	20.2	3	7.1	
1.0	17:55	6.9	20.3	3	4.9	

Sample Method: Peristaltic Pump **Sample Time:** 18:00

Analytical Data

Method	Qty	Container	Pres.	Method	Qty	Container	Pres.
VOCs 8260	3	40mL VOAs	HCl				
SVOCs 8270	2	250mL A	None				
Metals 6020 (Total)	2	250mL A	None				
EPH MADEP	2	60mL VOAs	HCl				

Name	Signature	Date
(1) Clay Faircloth		12/17/2025

Notes:

GROUNDWATER SAMPLING FORM

Project Name:	Durham Parks - Lyon park		
Project Location:	Durham, Durham County, North Carolina		
Project Number:		Purge Date:	August 27, 2025
Source Well:	**A-MW-8**	Purge Time (Min.):	25
Locked?:	No	Sample Date:	August 27, 2025
Sampled By:	C. Faircloth	Sample Time:	16:55
Weather:	Sunny	Air Temp:	80 ° F

Equipment Calibration Information:

Equipment	Date	Time	Calibration Solution	Calibration Check		
pH	8/27/25	09:00	4.00, 7.00, 10.00	4.0	7.0	10.0
Conductivity	8/27/25	09:00	1,413 µS/cm	1,413 µS/cm		

Water Level & Well Data

Measuring Point:	Top of Casing	
Depth to Water:	5.61	ft-TOC
Total Well Depth:	23.64	ft-TOC
Height of Water Column:	18.03	feet
Screen Length:	5	ft-GRD
Stickup Height:	0	ft-GRD

Well Volume		
Well Diameter	2	inch
Well Volume	2.9	gal
3 * Well Volume	8.8	gal
5 * Well Volume	14.7	gal

Well Purging Information

Purge Method: Peristaltic Pump **Purge Start Time:** 16:30 **End Time:** 16:55

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

Field Parameters

Cumulative Volume (Gal)	Time	pH (s.u.)	Temp (°C)	Cond µS/cm	Turbidity (NTU)	Comments
	16:30	6.8	19.8	1,252	25	
0.2	16:35	6.8	19.3	1,244	19	
0.4	16:40	6.8	19.3	1,231	18	
0.6	16:45	6.8	19.1	1,225	19	
0.8	16:50	6.8	19.6	1,227	11	
1.0	16:55	6.8	19.6	1,218	9.8	

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

Analytical Data

Method	Qty	Container	Pres.	Method	Qty	Container	Pres.
VOCs 8260	3	40mL VOAs	HCl				
SVOCs 8270	2	250mL A	None				
Metals 6020 (Total)	2	250mL A	None				
EPH MADEP	2	60mL VOAs	HCl				

Name	Signature	Date
(1) Clay Faircloth		12/17/2025

Notes:

GROUNDWATER SAMPLING FORM

Project Name:	Durham Parks - Lyon park		
Project Location:	Durham, Durham County, North Carolina		
Project Number:		Purge Date:	August 27, 2025
Source Well:	**A-MW-9**	Purge Time (Min.):	30
Locked?:	No	Sample Date:	August 27, 2025
Sampled By:	B. Governo	Sample Time:	17:05
Weather:	Sunny	Air Temp:	80 ° F

Equipment Calibration Information:

Equipment	Date	Time	Calibration Solution	Calibration Check		
pH	8/27/25	09:00	4.00, 7.00, 10.00	4.0	7.0	10.0
Conductivity	8/27/25	09:00	1,413 µS/cm	1,413 µS/cm		

Water Level & Well Data

Measuring Point:	Top of Casing	
Depth to Water:	12.41	ft-TOC
Total Well Depth:	16.00	ft-TOC
Height of Water Column:	3.59	feet
Screen Length:	5	ft-GRD
Stickup Height:	0	ft-GRD

Well Volume		
Well Diameter	2	inch
Well Volume	0.6	gal
3 * Well Volume	1.8	gal
5 * Well Volume	2.9	gal

Well Purging Information

Purge Method: Peristaltic Pump **Purge Start Time:** 16:30 **End Time:** 17:00

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

Field Parameters

Cumulative Volume (Gal)	Time	pH (s.u.)	Temp (°C)	Cond µS/cm	Turbidity (NTU)	Comments
	16:30	6.4	23.4	271	45	
0.2	16:35	6.3	20.4	245	35	
0.4	16:40	6.3	20.3	242	18	
0.6	16:45	6.3	20.3	238	6.4	
0.8	16:50	6.3	19.8	238	2.1	
1.0	16:55	6.3	20	237	0.02	
1.2	17:00	6.3	20	238	1.8	

Sample Method: Peristaltic Pump **Sample Time:** 17:05

Analytical Data

Method	Qty	Container	Pres.	Method	Qty	Container	Pres.
VOCs 8260	3	40mL VOAs	HCl				
SVOCs 8270	2	250mL A	None				
Metals 6020 (Total)	2	250mL A	None				
EPH MADEP	2	60mL VOAs	HCl				

Name	Signature	Date
(1) Clay Faircloth		12/17/2025

Notes:

GROUNDWATER SAMPLING FORM

Project Name:	Durham Parks - Lyon park		
Project Location:	Durham, Durham County, North Carolina		
Project Number:		Purge Date:	August 27, 2025
Source Well:	**MW-1**	Purge Time (Min.):	30
Locked?:	No	Sample Date:	August 27, 2025
Sampled By:	C. Faircloth	Sample Time:	12:00
Weather:	Sunny	Air Temp:	80 ° F

Equipment Calibration Information:

Equipment	Date	Time	Calibration Solution	Calibration Check		
pH	8/27/25	09:00	4.00, 7.00, 10.00	4.0	7.0	10.0
Conductivity	8/27/25	09:00	1,413 µS/cm	1,413 µS/cm		

Water Level & Well Data

Measuring Point:	Top of Casing	
Depth to Water:	7.98	ft-TOC
Total Well Depth:	32.00	ft-TOC
Height of Water Column:	24.02	feet
Screen Length:	5	ft-GRD
Stickup Height:	0	ft-GRD

Well Volume		
Well Diameter	2	inch
Well Volume	3.9	gal
3 * Well Volume	11.8	gal
5 * Well Volume	19.6	gal

Well Purging Information

Purge Method: Peristaltic Pump **Purge Start Time:** 11:25 **End Time:** 11:55

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

Field Parameters

Cumulative Volume (Gal)	Time	pH (s.u.)	Temp (°C)	Cond µS/cm	Turbidity (NTU)	Comments
	11:25					
0.3	11:30	7.3	21.2	798	6.3	
0.6	11:35	7.4	21.3	786	7.1	
0.9	11:40	7.3	21.1	782	6.5	
1.2	11:45	7.4	21.3	793	6.2	
1.5	11:50	7.3	21.1	820	6.2	
1.8	11:55	7.4	20.9	816	6.8	

Sample Method: Peristaltic Pump **Sample Time:** 12:00

Analytical Data

Method	Qty	Container	Pres.	Method	Qty	Container	Pres.
VOCs 8260	3	40mL VOAs	HCl				
SVOCs 8270	2	250mL A	None				
Metals 6020 (Total)	2	250mL A	None				
EPH MADEP	2	60mL VOAs	HCl				

Name	Signature	Date
(1) Clay Faircloth		12/17/2025

Notes:

GROUNDWATER SAMPLING FORM

Project Name:	Durham Parks - Lyon park		
Project Location:	Durham, Durham County, North Carolina		
Project Number:		Purge Date:	August 27, 2025
Source Well:	**MW-2**	Purge Time (Min.):	30
Locked?:	No	Sample Date:	August 27, 2025
Sampled By:	B. Governo	Sample Time:	11:05
Weather:	Sunny	Air Temp:	80 ° F

Equipment Calibration Information:

Equipment	Date	Time	Calibration Solution	Calibration Check		
pH	8/27/25	09:00	4.00, 7.00, 10.00	4.0	7.0	10.0
Conductivity	8/27/25	09:00	1,413 µS/cm		1,413 µS/cm	

Water Level & Well Data

Measuring Point:	Top of Casing	
Depth to Water:	7.99	ft-TOC
Total Well Depth:	30.50	ft-TOC
Height of Water Column:	22.51	feet
Screen Length:	5	ft-GRD
Stickup Height:	0	ft-GRD

Well Volume		
Well Diameter	2	inch
Well Volume	3.7	gal
3 * Well Volume	11.0	gal
5 * Well Volume	18.4	gal

Well Purging Information

Purge Method: Peristaltic Pump **Purge Start Time:** 10:30 **End Time:** 11:00

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

Field Parameters

Cumulative Volume (Gal)	Time	pH (s.u.)	Temp (°C)	Cond µS/cm	Turbidity (NTU)	Comments
0.2	10:30	7.3	22.7	740	15	
0.4	10:35	7.2	23.1	705	7.7	
0.6	10:40	7.2	22.9	702	3.8	
0.8	10:45	7.1	22.9	710	1.9	
1.0	10:50	7.1	22.5	707	4.5	
1.2	10:55	7.1	22.4	708	6.8	
1.4	11:00	7.1	22.5	707	11	

Sample Method: Peristaltic Pump **Sample Time:** 11:05

Analytical Data

Method	Qty	Container	Pres.	Method	Qty	Container	Pres.
VOCs 8260	3	40mL VOAs	HCl				
SVOCs 8270	2	250mL A	None				
Metals 6020 (Total)	2	250mL A	None				
EPH MADEP	2	60mL VOAs	HCl				

Name	Signature	Date
(1) Clay Faircloth		12/17/2025

Notes: Duplicate-2 taken here.

GROUNDWATER SAMPLING FORM

Project Name:	Durham Parks - Lyon park		
Project Location:	Durham, Durham County, North Carolina		
Project Number:		Purge Date:	August 26, 2025
Source Well:	**MW-3**	Purge Time (Min.):	
Locked?:	No	Sample Date:	August 26, 2025
Sampled By:	B. Governo, M. Allen	Sample Time:	
Weather:	Sunny	Air Temp:	80 ° F

Equipment Calibration Information:

Equipment	Date	Time	Calibration Solution	Calibration Check		
pH	8/26/25	09:00	4.00, 7.00, 10.00	4.0	7.0	10.0
Conductivity	8/26/25	09:00	1,413 µS/cm		1,413 µS/cm	

Water Level & Well Data

Measuring Point:	Top of Casing	
Depth to Water:		ft-TOC
Total Well Depth:	46.00	ft-TOC
Height of Water Column:	46.00	feet
Screen Length:	5	ft-GRD
Stickup Height:	0	ft-GRD

Well Volume		
Well Diameter	2	inch
Well Volume	7.5	gal
3 * Well Volume	22.5	gal
5 * Well Volume	37.5	gal

Well Purging Information

Purge Method: Peristaltic Pump **Purge Start Time:** **End Time:**

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

Field Parameters

Cumulative Volume (Gal)	Time	pH (s.u.)	Temp (°C)	Cond µS/cm	Turbidity (NTU)	Comments
0.8						
1.2						
1.6						
2.0						
2.4						
2.8						

Sample Method: Peristaltic Pump **Sample Time:**

Analytical Data

Method	Qty	Container	Pres.	Method	Qty	Container	Pres.
VOCs 8260	3	40mL VOAs	HCl				
SVOCs 8270	2	250mL A	None				
Metals 6020 (Total)	2	250mL A	None				
EPH MADEP	2	60mL VOAs	HCl				

Name	Signature	Date
(1) Clay Faircloth		12/17/2025

Notes:

GROUNDWATER SAMPLING FORM

Project Name:	Durham Parks - Lyon park		
Project Location:	Durham, Durham County, North Carolina		
Project Number:		Purge Date:	August 27, 2025
Source Well:	**MW-4**	Purge Time (Min.):	40
Locked?:	No	Sample Date:	August 27, 2025
Sampled By:	C. Faircloth	Sample Time:	15:15
Weather:	Sunny	Air Temp:	80 ° F

Equipment Calibration Information:

Equipment	Date	Time	Calibration Solution	Calibration Check		
pH	8/27/25	09:00	4.00, 7.00, 10.00	4.0	7.0	10.0
Conductivity	8/27/25	09:00	1,413 µS/cm	1,413 µS/cm		

Water Level & Well Data

Measuring Point:	Top of Casing	
Depth to Water:	3.65	ft-TOC
Total Well Depth:	25.50	ft-TOC
Height of Water Column:	21.85	feet
Screen Length:	5	ft-GRD
Stickup Height:	0	ft-GRD

Well Volume		
Well Diameter	2	inch
Well Volume	3.6	gal
3 * Well Volume	10.7	gal
5 * Well Volume	17.8	gal

Well Purging Information

Purge Method: Peristaltic Pump **Purge Start Time:** 14:25 **End Time:** 15:05

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

Field Parameters

Cumulative Volume (Gal)	Time	pH (s.u.)	Temp (°C)	Cond µS/cm	Turbidity (NTU)	Comments
	14:25	7.3	23.3	810	44	
0.2	14:30	7.2	20.3	814	38	
0.4	14:35	7.2	19.9	802	92	
0.6	14:40	7.3	19.7	783	59	
0.8	14:45	7.2	20	779	48	
1.0	14:50	7.2	20.1	776	53	
1.2	14:55	7.2	19.9	783	47	
1.4	15:00	7.3	19.9	790	44	
1.6	15:05	7.3	19.8	787	44	

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

Analytical Data

Method	Qty	Container	Pres.	Method	Qty	Container	Pres.
VOCs 8260	3	40mL VOAs	HCl				
SVOCs 8270	2	250mL A	None				
Metals 6020 (Total)	2	250mL A	None				
EPH MADEP	2	60mL VOAs	HCl				

Name	Signature	Date
(1) Clay Faircloth		12/17/2025

Notes:

GROUNDWATER SAMPLING FORM

Project Name:	Durham Parks - Lyon park		
Project Location:	Durham, Durham County, North Carolina		
Project Number:		Purge Date:	August 27, 2025
Source Well:	**MW-5**	Purge Time (Min.):	30
Locked?:	No	Sample Date:	August 27, 2025
Sampled By:	C. Faircloth	Sample Time:	15:25
Weather:	Sunny	Air Temp:	80 ° F

Equipment Calibration Information:

Equipment	Date	Time	Calibration Solution	Calibration Check		
pH	8/27/25	09:00	4.00, 7.00, 10.00	4.0	7.0	10.0
Conductivity	8/27/25	09:00	1,413 µS/cm	1,413 µS/cm		

Water Level & Well Data

Measuring Point:	Top of Casing	
Depth to Water:	2.48	ft-TOC
Total Well Depth:	36.00	ft-TOC
Height of Water Column:	33.52	feet
Screen Length:	5	ft-GRD
Stickup Height:	0	ft-GRD

Well Volume		
Well Diameter	2	inch
Well Volume	5.5	gal
3 * Well Volume	16.4	gal
5 * Well Volume	27.4	gal

Well Purging Information

Purge Method: Peristaltic Pump **Purge Start Time:** 11:25 **End Time:** 11:55

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

Field Parameters

Cumulative Volume (Gal)	Time	pH (s.u.)	Temp (°C)	Cond µS/cm	Turbidity (NTU)	Comments
	14:25	7.7	20.3	630	159	
0.4	14:30	7.6	19.6	608	258	
0.7	14:35	7.6	19.2	602	239	
0.9	14:40	7.6	19.2	597	231	
1.1	14:45	7.6	19.2	601	197	
1.3	14:50	7.6	19.2	590	196	
1.5	14:55	7.6	19.2	597	458	
2.5	15:05	7.6	19.6	594	332	
2.7	15:10	7.6	19.4	589	141	
3.0	15:15	7.7	19.6	595	116	

Sample Method: Peristaltic Pump **Sample Time:** 15:25

Analytical Data

Method	Qty	Container	Pres.	Method	Qty	Container	Pres.
VOCs 8260	3	40mL VOAs	HCl				
SVOCs 8270	2	250mL A	None				
Metals 6020 (Total)	2	250mL A	None				
EPH MADEP	2	60mL VOAs	HCl				

Name	Signature	Date
(1) Clay Faircloth		12/17/2025

Notes: Turbidity spiked at 1455 so I purged for 10 min at higher flow rate to try to flush out more well volume.

GROUNDWATER SAMPLING FORM

Project Name:	Durham Parks - Lyon park		
Project Location:	Durham, Durham County, North Carolina		
Project Number:		Purge Date:	August 26, 2025
Source Well:	**MW-6**	Purge Time (Min.):	35
Locked?:	No	Sample Date:	August 26, 2025
Sampled By:	C. Faircloth, R. Moore	Sample Time:	15:20
Weather:	Sunny	Air Temp:	80 ° F

Equipment Calibration Information:

Equipment	Date	Time	Calibration Solution	Calibration Check		
pH	8/26/25	09:00	4.00, 7.00, 10.00	4.0	7.0	10.0
Conductivity	8/26/25	09:00	1,413 µS/cm	1,413 µS/cm		

Water Level & Well Data

Measuring Point:	Top of Casing	
Depth to Water:	16.34	ft-TOC
Total Well Depth:	56.00	ft-TOC
Height of Water Column:	39.66	feet
Screen Length:	5	ft-GRD
Stickup Height:	0	ft-GRD

Well Volume		
Well Diameter	2	inch
Well Volume	6.5	gal
3 * Well Volume	19.4	gal
5 * Well Volume	32.4	gal

Well Purging Information

Purge Method: Peristaltic Pump **Purge Start Time:** 14:40 **End Time:** 15:15

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

Field Parameters

Cumulative Volume (Gal)	Time	pH (s.u.)	Temp (°C)	Cond µS/cm	Turbidity (NTU)	Comments
	14:40					
0.8	14:50	7.0	19.8	825	3.3	
1.2	14:55	7.0	19	811	2.8	
1.6	15:00	7.0	18.8	805	3.0	
2.0	15:05	7.0	18.3	808	2.5	
2.4	15:10	7.0	18.4	802	2.4	
2.8	15:15	7.0	18.4	806	2.4	

Sample Method: Peristaltic Pump **Sample Time:** 15:20

Analytical Data

Method	Qty	Container	Pres.	Method	Qty	Container	Pres.
VOCs 8260	3	40mL VOAs	HCl				
SVOCs 8270	2	250mL A	None				
Metals 6020 (Total)	2	250mL A	None				
EPH MADEP	2	60mL VOAs	HCl				

Name	Signature	Date
(1) Clay Faircloth		12/17/2025

Notes:

GROUNDWATER SAMPLING FORM

Project Name:	Durham Parks - Lyon park		
Project Location:	Durham, Durham County, North Carolina		
Project Number:		Purge Date:	August 26, 2025
Source Well:	**MW-7**	Purge Time (Min.):	35
Locked?:	No	Sample Date:	August 26, 2025
Sampled By:	C. Faircloth, R. Moore	Sample Time:	13:45
Weather:	Sunny	Air Temp:	80 ° F

Equipment Calibration Information:

Equipment	Date	Time	Calibration Solution	Calibration Check		
pH	8/26/25	09:00	4.00, 7.00, 10.00	4.0	7.0	10.0
Conductivity	8/26/25	09:00	1,413 µS/cm	1,413 µS/cm		

Water Level & Well Data

Measuring Point:	Top of Casing	
Depth to Water:	10.90	ft-TOC
Total Well Depth:	37.00	ft-TOC
Height of Water Column:	26.10	feet
Screen Length:	5	ft-GRD
Stickup Height:	0	ft-GRD

Well Volume		
Well Diameter	2	inch
Well Volume	4.3	gal
3 * Well Volume	12.8	gal
5 * Well Volume	21.3	gal

Well Purging Information

Purge Method: Peristaltic Pump **Purge Start Time:** 13:05 **End Time:** 13:40

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

Field Parameters

Cumulative Volume (Gal)	Time	pH (s.u.)	Temp (°C)	Cond µS/cm	Turbidity (NTU)	Comments
	13:05					
0.3	13:10	6.9	24.5	340	22	
0.6	13:15	6.9	22.2	328	29	
0.8	13:20	6.9	23.4	321	26	
1.0	13:25	6.9	24	316	77	
1.2	13:30	6.9	23.4	332	101	
1.4	13:35	6.9	22.8	331	69	
1.6	13:40	6.9	23.4	330	66	

Sample Method: Peristaltic Pump **Sample Time:** 13:45

Analytical Data

Method	Qty	Container	Pres.	Method	Qty	Container	Pres.
VOCs 8260	3	40mL VOAs	HCl				
SVOCs 8270	2	250mL A	None				
Metals 6020 (Total)	2	250mL A	None				
EPH MADEP	2	60mL VOAs	HCl				

Name	Signature	Date
(1) Clay Faircloth		12/17/2025

Notes: Duplicate-1 collected here. Fine silts impacting turbidity. Took turbidity readings during sampling and read 27.1 then 4.9 NTUs - shouldn't impact analysis. May just purge longer next sampling event.

LANDFILL GAS SCREENING FORM

Project Name:	**Lyon Park**	Location:	Durham, NC	**Meter Type/ Meter Name/ Serial No.:**				
NCDEQ ID No.:	**NONCD0000822**	Date:	8/19/2025	Gas Analyzer	GEM 5000			
S&ME Project No.:	**23050630**	Weather:	Sunny	PID	Mini Rae 3000		Pre Calibration Time:	830
Task Order:	**822RI-7**	S&ME Personnel:	Clay Faircloth, Brandon Governo	Thermo Hygrometer	UEI OTH 10		Post Calibration Time:	1430

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

Screening Data

Sample Location	Time	VOCs		Methane		Carbon Dioxide	Oxygen	Hydrogen Sulfide	Barometric Pressure	Temperature	Humidity
ID	hr:min	ppm-v	%	volume in air (%)	% LEL (100% LEL = 5% CH4)	%	%	ppm-v	in-Hg	°F	%
BG-1	09:55	0.0	0	0.0	0	0.0	20.1	0	29.77	72.0	59
BG-2	10:00	0.0	0	0.0	0	0.0	20.1	0	29.77	72.0	59
BG-3	10:05	0.0	0	0.0	0	0.0	20.1	0	29.77	72.0	59
BG-4	10:10	0.0	0	0.0	0	0.0	20.1	0	29.77	72.0	59
LFGP-1	09:40	0.0	0	0.00	0.00	0.3	18.8	0	29.77	80.00	59.00
LFGP-2	09:25	0.0	0	0.00	0.00	0.10	18.80	0	29.77	76.00	59.00
LFGP-3	09:50	0.0	0	0.00	0.00	0.00	18.70	0	29.78	75.00	60.00
LFGP-4	10:00	0.0	0	0.00	0.00	0.20	18.60	0	29.79	77.00	62.00
LFGP-5	09:30	0.0	0	0.00	0.00	0.10	18.80	0	29.80	81.00	62.00
LFGP-6	10:10	0.4	0	0.00	0.00	0.00	18.80	0	29.80	80.00	62.00
LFGP-7	09:42	29.9	0	0.00	0.00	0.10	18.70	0	00:30	77.00	62.00
LFGP-8	10:20	0.0	0	0.00	0.00	0.10	18.80	0	29.79	82.00	61.00
LFGP-9	10:40	0.0	0.0	0.00	0.00	0.40	18.80	0	29.70	80.00	62.00
LFGP-10	10:52	0.0	0	0.00	0.00	0.00	18.60	0	29.79	83.00	60.00

Name	**Signature**	**Date**	**Notes:**
(1) Clay Faircloth		8/19/2025	

SOIL VAPOR FIELD SAMPLING FORM

Project Name:	Lyon Park		
Project Number:	23050630 - 823RI-7		
Location:	Durham, NC	**Date:**	9/3/2025
Weather:	Sunny	**Air Temp (°F):**	73
Helium Detector Serial No.:	Dielectric Helium Detector 42585 (Field Environmental Instruments)	**Calibration Date:**	

Sample Information					
Sample Type					
Sample ID	LFGP-5	LFGP-4	LFGP-3	LFGP-2	LFGP-1
Canister ID	6L1804	6L0905	6L2757	6L0302	6L1629
Regulator ID	25252	24876	24494	2321	23119
Canister Volume (L)	6	6	6	6	6
Leak Test Information					
Purge Method	Personal Pump	Personal Pump	Personal Pump	Personal Pump	Personal Pump
He Concentration in Shroud (%)	14,5	16.7	15.1	16.2	14.7
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)
	6	0	36	6	0	36	6	0	36	6	0	36	11	0	60
Sand Pack Interval Depth (in-bgs)	36	to	72	36	to	72	36	to	72	36	to	72	72	to	132
Volume (mL)	776			776			776			776			1298		
Purge Flow Rate (mL/min)	200			200			200			200			200		
Purge Interval (3x Vol.) (min)	11.6			11.6			11.6			11.6			19.5		
Actual Purge Time (min)	12.0			12.0			12.0			12.0			20.0		
Sample Collection															
Start Time	11:00			11:20			11:45			12:05			12:30		
Initial Vacuum (inHg)	30			26			29			30			30		
End Time	14:00			14:37			14:45			15:05			15:15		
Final Vacuum (inHg)	7			7			7			8			13		
Approximate Total Time (min)	180			197			180			180			165		
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: Logan Hester Sampler Signature: Date: 9/3/2025

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.

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Revision Date: 5/3/18 11:30

SOIL VAPOR FIELD SAMPLING FORM

Project Name:	Lyon Park		
Project Number:	23050630 - 823RI-7		
Location:	Durham, NC	**Date:**	9/3/2025
Weather:	Sunny	**Air Temp (°F):**	73
Helium Detector Serial No.:	Dielectric Helium Detector 42585 (Field Environmental Instruments)	**Calibration Date:**	

Sample Information					
Sample Type					
Sample ID	LFGP-DUP-01	LFGP-10	LFGP-9	LFGP-8	LFGP-7
Canister ID	6L1662	6L1039	6L1838	6L0957	6L0241
Regulator ID	24287	23590	23523	23257	24139
Canister Volume (L)	6	6	6	6	6
Leak Test Information					
Purge Method	Personal Pump	Personal Pump	Personal Pump	Personal Pump	Personal Pump
He Concentration in Shroud (%)	14.7	15.2	16.7	15	14.7
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)
	11	0	60	4	0	12	11	0	60	11	0	60	7	0	36
Sand Pack Interval Depth (in-bgs)	72	to	132	36	to	48	72	to	132	72	to	132	48	to	84
Volume (mL)	1298			268			1298			1298			781		
Purge Flow Rate (mL/min)	200			200			200			200			200		
Purge Interval (3x Vol.) (min)	19.5			4.0			19.5			19.5			11.7		
Actual Purge Time (min)	20.0			5.0			20.0			20.0			12.0		

Sample Collection					
Start Time	12:30	12:50	09:45	10:15	10:35
Initial Vacuum (inHg)	30	30	30	29	28
End Time	15:15	16:00	12:58	13:20	12:15
Final Vacuum (inHg)	5	5	7	6	5
Approximate Total Time (min)	165	190	193	185	100
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: Logan Hester Sampler Signature: Date: 9/3/2025

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. LFGP-DUP-01 taken at LFGP-1.
3. Samples taken on 9-4 starting with LFGP-9

Revision Date: 5/3/18 11:30

SOIL VAPOR FIELD SAMPLING FORM

Project Name:	Lyon Park				
Project Number:	23050630 - 823RI-7				
Location:	Durham, NC			**Date:**	9/4/2025
Weather:	Sunny			**Air Temp (°F):**	73
Helium Detector Serial No.:	Dielectric Helium Detector 42585 (Field Environmental Instruments)			**Calibration Date:**	

Sample Information					
Sample Type					
Sample ID	LFGP-6				
Canister ID	24482				
Regulator ID	2130				
Canister Volume (L)	6	6	6	6	6
Leak Test Information					
Purge Method	Personal Pump	Personal Pump	Personal Pump	Personal Pump	Personal Pump
He Concentration in Shroud (%)	14				
He Detected in Leak Test (Y or N)	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)
	48	0	12		0			0			0			0	
Sand Pack Interval Depth (in-bgs)	36	to	48		to			to			to			to	
Volume (mL)	464														
Purge Flow Rate (mL/min)	200			200			200			200			200		
Purge Interval (3x Vol.) (min)	7.0			#VALUE!			#VALUE!			#VALUE!			#VALUE!		
Actual Purge Time (min)	7.0														

Sample Collection					
Start Time	10:45				
Initial Vacuum (inHg)	22				
End Time	12:30				
Final Vacuum (inHg)	3				
Approximate Total Time (min)	105				
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: Logan Hester Sampler Signature: Date: 9/4/2025

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.

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Revision Date: 5/3/18 11:30

Appendix IV – Laboratory Analytical Reports and COC

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/24/2025 6:51:30 AM

JOB DESCRIPTION

Lyon Park

JOB NUMBER

400-276828-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

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

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Authorized for release by
Chad Bechtold, Project Manager
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Job Narrative
400-276828-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 5/31/2025 10:09 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 1.0°C, 2.6°C and 3.3°C.

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

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

HPLC/IC
Method 9056A_ORGFM_48H: The following sample was analyzed outside of the 48 hour analytical holding time for Nitrate due to analyst error: SW-9 (400-276828-1).

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

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

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

Detection Summary

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276828-1

Client Sample ID: SW-9 — Lab Sample ID: 400-276828-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	0.308	H	0.100	0.0630	mg/L	1		9056A	Total/NA
Sulfate	11.8		1.00	0.390	mg/L	1		9056A	Total/NA
Antimony	0.340	J	5.00	0.340	ug/L	1		6020B	Total Recoverable
Barium	50.0		5.00	0.890	ug/L	1		6020B	Total Recoverable
Cobalt	0.260	J	0.500	0.220	ug/L	1		6020B	Total Recoverable
Copper	7.11		5.00	1.08	ug/L	1		6020B	Total Recoverable
Lead	1.71	J	2.50	0.210	ug/L	1		6020B	Total Recoverable
Manganese	41.8		5.00	2.20	ug/L	1		6020B	Total Recoverable
Nickel	1.94	J	5.00	0.420	ug/L	1		6020B	Total Recoverable
Vanadium	1.47	J	10.0	0.630	ug/L	1		6020B	Total Recoverable
Zinc	10.6	J	20.0	2.80	ug/L	1		6020B	Total Recoverable

Client Sample ID: SW-8 — Lab Sample ID: 400-276828-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	0.247		0.100	0.0630	mg/L	1		9056A	Total/NA
Sulfate	12.2		1.00	0.390	mg/L	1		9056A	Total/NA
Antimony	0.340	J	5.00	0.340	ug/L	1		6020B	Total Recoverable
Barium	51.9		5.00	0.890	ug/L	1		6020B	Total Recoverable
Cobalt	0.250	J	0.500	0.220	ug/L	1		6020B	Total Recoverable
Copper	6.95		5.00	1.08	ug/L	1		6020B	Total Recoverable
Lead	1.72	J	2.50	0.210	ug/L	1		6020B	Total Recoverable
Manganese	54.9		5.00	2.20	ug/L	1		6020B	Total Recoverable
Nickel	1.99	J	5.00	0.420	ug/L	1		6020B	Total Recoverable
Vanadium	1.21	J	10.0	0.630	ug/L	1		6020B	Total Recoverable
Zinc	11.1	J	20.0	2.80	ug/L	1		6020B	Total Recoverable

Client Sample ID: SW-7 — Lab Sample ID: 400-276828-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	0.244		0.100	0.0630	mg/L	1		9056A	Total/NA
Sulfate	13.5		1.00	0.390	mg/L	1		9056A	Total/NA
Antimony	0.450	J	5.00	0.340	ug/L	1		6020B	Total Recoverable
Barium	50.7		5.00	0.890	ug/L	1		6020B	Total Recoverable
Cobalt	0.250	J	0.500	0.220	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: SW-7 (Continued) — Lab Sample ID: 400-276828-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	7.53		5.00	1.08	ug/L	1		6020B	Total Recoverable
Lead	2.56		2.50	0.210	ug/L	1		6020B	Total Recoverable
Manganese	47.8		5.00	2.20	ug/L	1		6020B	Total Recoverable
Nickel	1.83	J	5.00	0.420	ug/L	1		6020B	Total Recoverable
Vanadium	1.25	J	10.0	0.630	ug/L	1		6020B	Total Recoverable
Zinc	10.6	J	20.0	2.80	ug/L	1		6020B	Total Recoverable

Client Sample ID: SW-6 — Lab Sample ID: 400-276828-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	0.254		0.100	0.0630	mg/L	1		9056A	Total/NA
Sulfate	14.6		1.00	0.390	mg/L	1		9056A	Total/NA
Antimony	0.400	J	5.00	0.340	ug/L	1		6020B	Total Recoverable
Arsenic	0.915	J	3.00	0.860	ug/L	1		6020B	Total Recoverable
Barium	51.0		5.00	0.890	ug/L	1		6020B	Total Recoverable
Copper	7.20		5.00	1.08	ug/L	1		6020B	Total Recoverable
Lead	1.37	J	2.50	0.210	ug/L	1		6020B	Total Recoverable
Manganese	37.9		5.00	2.20	ug/L	1		6020B	Total Recoverable
Nickel	1.86	J	5.00	0.420	ug/L	1		6020B	Total Recoverable
Vanadium	1.04	J	10.0	0.630	ug/L	1		6020B	Total Recoverable
Zinc	8.62	J	20.0	2.80	ug/L	1		6020B	Total Recoverable

Client Sample ID: SW-DUP — Lab Sample ID: 400-276828-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	0.269		0.100	0.0630	mg/L	1		9056A	Total/NA
Sulfate	14.7		1.00	0.390	mg/L	1		9056A	Total/NA
Antimony	0.430	J	5.00	0.340	ug/L	1		6020B	Total Recoverable
Barium	53.4		5.00	0.890	ug/L	1		6020B	Total Recoverable
Chromium	2.11	J	5.00	1.20	ug/L	1		6020B	Total Recoverable
Cobalt	0.230	J	0.500	0.220	ug/L	1		6020B	Total Recoverable
Copper	7.26		5.00	1.08	ug/L	1		6020B	Total Recoverable
Lead	1.48	J	2.50	0.210	ug/L	1		6020B	Total Recoverable
Manganese	39.0		5.00	2.20	ug/L	1		6020B	Total Recoverable
Nickel	2.71	J	5.00	0.420	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: SW-DUP (Continued) — Lab Sample ID: 400-276828-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vanadium	0.905	J	10.0	0.630	ug/L	1		6020B	Total Recoverable
Zinc	9.06	J	20.0	2.80	ug/L	1		6020B	Total Recoverable

Client Sample ID: SW-5 — Lab Sample ID: 400-276828-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	0.358		0.100	0.0630	mg/L	1		9056A	Total/NA
Sulfate	15.6		1.00	0.390	mg/L	1		9056A	Total/NA
Antimony	0.495	J	5.00	0.340	ug/L	1		6020B	Total Recoverable
Barium	50.6		5.00	0.890	ug/L	1		6020B	Total Recoverable
Copper	6.87		5.00	1.08	ug/L	1		6020B	Total Recoverable
Lead	2.89		2.50	0.210	ug/L	1		6020B	Total Recoverable
Manganese	31.3		5.00	2.20	ug/L	1		6020B	Total Recoverable
Nickel	2.01	J	5.00	0.420	ug/L	1		6020B	Total Recoverable
Vanadium	0.865	J	10.0	0.630	ug/L	1		6020B	Total Recoverable
Zinc	8.98	J	20.0	2.80	ug/L	1		6020B	Total Recoverable

Client Sample ID: SW-4 — Lab Sample ID: 400-276828-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	0.360		0.100	0.0630	mg/L	1		9056A	Total/NA
Sulfate	16.7		1.00	0.390	mg/L	1		9056A	Total/NA
Antimony	0.545	J	5.00	0.340	ug/L	1		6020B	Total Recoverable
Barium	55.0		5.00	0.890	ug/L	1		6020B	Total Recoverable
Copper	7.81		5.00	1.08	ug/L	1		6020B	Total Recoverable
Lead	1.21	J	2.50	0.210	ug/L	1		6020B	Total Recoverable
Manganese	29.0		5.00	2.20	ug/L	1		6020B	Total Recoverable
Nickel	1.81	J	5.00	0.420	ug/L	1		6020B	Total Recoverable
Vanadium	1.08	J	10.0	0.630	ug/L	1		6020B	Total Recoverable
Zinc	8.72	J	20.0	2.80	ug/L	1		6020B	Total Recoverable

Client Sample ID: SW-3 — Lab Sample ID: 400-276828-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	0.359		0.100	0.0630	mg/L	1		9056A	Total/NA
Sulfate	18.0		1.00	0.390	mg/L	1		9056A	Total/NA
Antimony	0.465	J	5.00	0.340	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: SW-3 (Continued) — Lab Sample ID: 400-276828-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	55.5		5.00	0.890	ug/L	1		6020B	Total Recoverable
Copper	6.75		5.00	1.08	ug/L	1		6020B	Total Recoverable
Lead	1.22	J	2.50	0.210	ug/L	1		6020B	Total Recoverable
Manganese	16.8		5.00	2.20	ug/L	1		6020B	Total Recoverable
Nickel	1.65	J	5.00	0.420	ug/L	1		6020B	Total Recoverable
Vanadium	0.860	J	10.0	0.630	ug/L	1		6020B	Total Recoverable
Zinc	8.11	J	20.0	2.80	ug/L	1		6020B	Total Recoverable

Client Sample ID: SW-2 — Lab Sample ID: 400-276828-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	0.291		0.100	0.0630	mg/L	1		9056A	Total/NA
Sulfate	15.0		1.00	0.390	mg/L	1		9056A	Total/NA
Antimony	0.455	J	5.00	0.340	ug/L	1		6020B	Total Recoverable
Arsenic	0.910	J	3.00	0.860	ug/L	1		6020B	Total Recoverable
Barium	55.2		5.00	0.890	ug/L	1		6020B	Total Recoverable
Copper	6.20		5.00	1.08	ug/L	1		6020B	Total Recoverable
Lead	1.32	J	2.50	0.210	ug/L	1		6020B	Total Recoverable
Manganese	26.9		5.00	2.20	ug/L	1		6020B	Total Recoverable
Nickel	1.70	J	5.00	0.420	ug/L	1		6020B	Total Recoverable
Vanadium	1.02	J	10.0	0.630	ug/L	1		6020B	Total Recoverable
Zinc	9.51	J	20.0	2.80	ug/L	1		6020B	Total Recoverable

Client Sample ID: SW-1 — Lab Sample ID: 400-276828-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	0.247		0.100	0.0630	mg/L	1		9056A	Total/NA
Sulfate	9.70		1.00	0.390	mg/L	1		9056A	Total/NA
Antimony	0.470	J	5.00	0.340	ug/L	1		6020B	Total Recoverable
Arsenic	0.980	J	3.00	0.860	ug/L	1		6020B	Total Recoverable
Barium	44.5		5.00	0.890	ug/L	1		6020B	Total Recoverable
Cobalt	0.345	J	0.500	0.220	ug/L	1		6020B	Total Recoverable
Copper	9.39		5.00	1.08	ug/L	1		6020B	Total Recoverable
Lead	5.44		2.50	0.210	ug/L	1		6020B	Total Recoverable
Manganese	47.4		5.00	2.20	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276828-1

Client Sample ID: SW-1 (Continued) — Lab Sample ID: 400-276828-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	1.82	J	5.00	0.420	ug/L	1		6020B	Total Recoverable
Vanadium	2.42	J	10.0	0.630	ug/L	1		6020B	Total Recoverable
Zinc	23.2		20.0	2.80	ug/L	1		6020B	Total Recoverable
Ammonia (as N)	0.0600		0.0500	0.0460	mg/L	1		350.1	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 400-276828-11

No Detections.

This Detection Summary does not include radiochemical test results.

Sample Summary

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276828-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-276828-1	SW-9	Water	05/30/25 09:10	05/31/25 10:09
400-276828-2	SW-8	Water	05/30/25 09:55	05/31/25 10:09
400-276828-3	SW-7	Water	05/30/25 10:25	05/31/25 10:09
400-276828-4	SW-6	Water	05/30/25 11:25	05/31/25 10:09
400-276828-5	SW-DUP	Water	05/30/25 11:25	05/31/25 10:09
400-276828-6	SW-5	Water	05/30/25 12:15	05/31/25 10:09
400-276828-7	SW-4	Water	05/30/25 13:35	05/31/25 10:09
400-276828-8	SW-3	Water	05/30/25 14:00	05/31/25 10:09
400-276828-9	SW-2	Water	05/30/25 14:35	05/31/25 10:09
400-276828-10	SW-1	Water	05/30/25 15:20	05/31/25 10:09
400-276828-11	TRIP BLANK	Water	05/30/25 00:00	05/31/25 10:09

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276828-1

Client Sample ID: SW-9
Date Collected: 05/30/25 09:10
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0	10.0	ug/L			06/09/25 17:33	1
Benzene	ND		1.00	0.500	ug/L			06/09/25 17:33	1
Bromobenzene	ND		1.00	0.540	ug/L			06/09/25 17:33	1
Bromoform	ND		5.00	0.250	ug/L			06/09/25 17:33	1
Bromomethane	ND		1.00	0.980	ug/L			06/09/25 17:33	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/09/25 17:33	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/09/25 17:33	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/09/25 17:33	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/09/25 17:33	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/09/25 17:33	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/09/25 17:33	1
Chloroethane	ND		1.00	0.760	ug/L			06/09/25 17:33	1
Chloroform	ND		1.00	0.900	ug/L			06/09/25 17:33	1
Chloromethane	ND		1.00	0.400	ug/L			06/09/25 17:33	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/09/25 17:33	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/09/25 17:33	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/09/25 17:33	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/09/25 17:33	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/09/25 17:33	1
Dibromomethane	ND		5.00	0.220	ug/L			06/09/25 17:33	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/09/25 17:33	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/09/25 17:33	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/09/25 17:33	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/09/25 17:33	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/09/25 17:33	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/09/25 17:33	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/09/25 17:33	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/09/25 17:33	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/09/25 17:33	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/09/25 17:33	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/09/25 17:33	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/09/25 17:33	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/09/25 17:33	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/09/25 17:33	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			06/09/25 17:33	1
Hexane	ND		1.00	0.960	ug/L			06/09/25 17:33	1
2-Hexanone	ND		25.0	4.26	ug/L			06/09/25 17:33	1
Iodomethane	ND		1.00	0.900	ug/L			06/09/25 17:33	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/09/25 17:33	1
Isopropyl ether	ND		1.00	0.740	ug/L			06/09/25 17:33	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/09/25 17:33	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/09/25 17:33	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/09/25 17:33	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/09/25 17:33	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/09/25 17:33	1
Naphthalene	ND		5.00	3.00	ug/L			06/09/25 17:33	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/09/25 17:33	1
n-Heptane	ND		1.00	0.210	ug/L			06/09/25 17:33	1
N-Propylbenzene	ND		1.00	0.690	ug/L			06/09/25 17:33	1

Client Sample ID: SW-9
Date Collected: 05/30/25 09:10
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		5.00	3.00	ug/L			06/09/25 17:33	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/09/25 17:33	1
Styrene	ND		1.00	1.00	ug/L			06/09/25 17:33	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/09/25 17:33	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/09/25 17:33	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/09/25 17:33	1
Tetrachloroethene	ND		1.00	0.330	ug/L			06/09/25 17:33	1
Toluene	ND		1.00	0.900	ug/L			06/09/25 17:33	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/09/25 17:33	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/09/25 17:33	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/09/25 17:33	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/09/25 17:33	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/09/25 17:33	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/09/25 17:33	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/09/25 17:33	1
Trichloroethene	ND		1.00	0.150	ug/L			06/09/25 17:33	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			06/09/25 17:33	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/09/25 17:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/09/25 17:33	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/09/25 17:33	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/09/25 17:33	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/09/25 17:33	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/09/25 17:33	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/09/25 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*56 - 136*		*06/09/25 17:33*	*1*
Dibromofluoromethane	*100*		*79 - 130*		*06/09/25 17:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*59 - 146*		*06/09/25 17:33*	*1*
Toluene-d8 (Surr)	*98*		*64 - 132*		*06/09/25 17:33*	*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		0.286	0.286	ug/L		06/06/25 07:00	06/14/25 13:30	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*25*		*10 - 140*	*06/06/25 07:00*	*06/14/25 13:30*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.74	0.409	ug/L		06/04/25 07:00	06/07/25 19:46	1
2,4,5-Trichlorophenol	ND		9.74	0.526	ug/L		06/04/25 07:00	06/07/25 19:46	1
2,4,6-Trichlorophenol	ND		9.74	1.06	ug/L		06/04/25 07:00	06/07/25 19:46	1
2,4-Dichlorophenol	ND		9.74	0.555	ug/L		06/04/25 07:00	06/07/25 19:46	1
2,4-Dimethylphenol	ND		9.74	0.234	ug/L		06/04/25 07:00	06/07/25 19:46	1
2,4-Dinitrophenol	ND		29.2	4.56	ug/L		06/04/25 07:00	06/07/25 19:46	1
2,4-Dinitrotoluene	ND		9.74	0.633	ug/L		06/04/25 07:00	06/07/25 19:46	1
2,6-Dinitrotoluene	ND		9.74	0.282	ug/L		06/04/25 07:00	06/07/25 19:46	1
2-Chloronaphthalene	ND		9.74	0.370	ug/L		06/04/25 07:00	06/07/25 19:46	1
2-Chlorophenol	ND		9.74	0.818	ug/L		06/04/25 07:00	06/07/25 19:46	1
2-Methylnaphthalene	ND		9.74	0.789	ug/L		06/04/25 07:00	06/07/25 19:46	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276828-1

Client Sample ID: SW-9
Date Collected: 05/30/25 09:10
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-1
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		06/04/25 07:00	06/07/25 19:46	1
2-Nitroaniline	ND		9.74	1.33	ug/L		06/04/25 07:00	06/07/25 19:46	1
2-Nitrophenol	ND		9.74	1.14	ug/L		06/04/25 07:00	06/07/25 19:46	1
3 & 4 Methylphenol	ND		19.5	4.48	ug/L		06/04/25 07:00	06/07/25 19:46	1
3,3'-Dichlorobenzidine	ND		10.7	0.399	ug/L		06/04/25 07:00	06/07/25 19:46	1
3-Nitroaniline	ND		9.74	0.925	ug/L		06/04/25 07:00	06/07/25 19:46	1
4,6-Dinitro-2-methylphenol	ND		9.74	1.92	ug/L		06/04/25 07:00	06/07/25 19:46	1
4-Bromophenyl phenyl ether	ND		9.74	0.127	ug/L		06/04/25 07:00	06/07/25 19:46	1
4-Chloro-3-methylphenol	ND		9.74	0.711	ug/L		06/04/25 07:00	06/07/25 19:46	1
4-Chloroaniline	ND		9.74	0.273	ug/L		06/04/25 07:00	06/07/25 19:46	1
4-Chlorophenyl phenyl ether	ND		9.74	0.234	ug/L		06/04/25 07:00	06/07/25 19:46	1
4-Nitroaniline	ND		9.74	3.41	ug/L		06/04/25 07:00	06/07/25 19:46	1
4-Nitrophenol	ND		9.74	2.67	ug/L		06/04/25 07:00	06/07/25 19:46	1
Acenaphthene	ND		9.74	0.614	ug/L		06/04/25 07:00	06/07/25 19:46	1
Acenaphthylene	ND		9.74	0.740	ug/L		06/04/25 07:00	06/07/25 19:46	1
Acetophenone	ND		9.74	3.12	ug/L		06/04/25 07:00	06/07/25 19:46	1
Anthracene	ND		9.74	0.886	ug/L		06/04/25 07:00	06/07/25 19:46	1
Atrazine	ND		9.74	1.10	ug/L		06/04/25 07:00	06/07/25 19:46	1
Benzaldehyde	ND		9.74	0.653	ug/L		06/04/25 07:00	06/07/25 19:46	1
Benzo[a]anthracene	ND		9.74	0.974	ug/L		06/04/25 07:00	06/07/25 19:46	1
Benzo[a]pyrene	ND		9.74	1.07	ug/L		06/04/25 07:00	06/07/25 19:46	1
Benzo[b]fluoranthene	ND		9.74	1.17	ug/L		06/04/25 07:00	06/07/25 19:46	1
Benzo[g,h,i]perylene	ND		9.74	1.46	ug/L		06/04/25 07:00	06/07/25 19:46	1
Benzo[k]fluoranthene	ND		9.74	1.46	ug/L		06/04/25 07:00	06/07/25 19:46	1
bis (2-chloroisopropyl) ether	ND		9.74	0.906	ug/L		06/04/25 07:00	06/07/25 19:46	1
Bis(2-chloroethoxy)methane	ND		9.74	0.331	ug/L		06/04/25 07:00	06/07/25 19:46	1
Bis(2-chloroethyl)ether	ND		9.74	0.711	ug/L		06/04/25 07:00	06/07/25 19:46	1
Bis(2-ethylhexyl) phthalate	ND		9.74	3.90	ug/L		06/04/25 07:00	06/07/25 19:46	1
Butyl benzyl phthalate	ND		9.74	3.90	ug/L		06/04/25 07:00	06/07/25 19:46	1
Caprolactam	ND		9.74	2.34	ug/L		06/04/25 07:00	06/07/25 19:46	1
Carbazole	ND		9.74	0.312	ug/L		06/04/25 07:00	06/07/25 19:46	1
Chrysene	ND		9.74	1.17	ug/L		06/04/25 07:00	06/07/25 19:46	1
Dibenz(a,h)anthracene	ND		9.74	1.27	ug/L		06/04/25 07:00	06/07/25 19:46	1
Dibenzofuran	ND		9.74	0.623	ug/L		06/04/25 07:00	06/07/25 19:46	1
Diethyl phthalate	ND		9.74	3.90	ug/L		06/04/25 07:00	06/07/25 19:46	1
Dimethyl phthalate	ND		9.74	3.90	ug/L		06/04/25 07:00	06/07/25 19:46	1
Di-n-butyl phthalate	ND		9.74	3.90	ug/L		06/04/25 07:00	06/07/25 19:46	1
Di-n-octyl phthalate	ND		9.74	3.90	ug/L		06/04/25 07:00	06/07/25 19:46	1
Fluoranthene	ND		9.74	0.614	ug/L		06/04/25 07:00	06/07/25 19:46	1
Fluorene	ND		9.74	0.653	ug/L		06/04/25 07:00	06/07/25 19:46	1
Hexachlorobenzene	ND		9.74	0.244	ug/L		06/04/25 07:00	06/07/25 19:46	1
Hexachlorobutadiene	ND		9.74	0.536	ug/L		06/04/25 07:00	06/07/25 19:46	1
Hexachlorocyclopentadiene	ND		19.5	0.312	ug/L		06/04/25 07:00	06/07/25 19:46	1
Hexachloroethane	ND		9.74	0.516	ug/L		06/04/25 07:00	06/07/25 19:46	1
Indeno[1,2,3-cd]pyrene	ND		9.74	1.07	ug/L		06/04/25 07:00	06/07/25 19:46	1
Isophorone	ND		9.74	0.779	ug/L		06/04/25 07:00	06/07/25 19:46	1
Naphthalene	ND		9.74	0.731	ug/L		06/04/25 07:00	06/07/25 19:46	1
Nitrobenzene	ND		9.74	0.584	ug/L		06/04/25 07:00	06/07/25 19:46	1
N-Nitrosodi-n-propylamine	ND		9.74	0.321	ug/L		06/04/25 07:00	06/07/25 19:46	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276828-1

Client Sample ID: SW-9

Date Collected: 05/30/25 09:10
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-1

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		06/04/25 07:00	06/07/25 19:46	1
Pentachlorophenol	ND		9.74	2.73	ug/L		06/04/25 07:00	06/07/25 19:46	1
Phenanthrene	ND		9.74	0.721	ug/L		06/04/25 07:00	06/07/25 19:46	1
Phenol	ND		9.74	0.662	ug/L		06/04/25 07:00	06/07/25 19:46	1
Pyrene	ND		9.74	0.614	ug/L		06/04/25 07:00	06/07/25 19:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*84*		*10 - 150*	*06/04/25 07:00*	*06/07/25 19:46*	*1*
2-Fluorobiphenyl (Surr)	*80*		*25 - 139*	*06/04/25 07:00*	*06/07/25 19:46*	*1*
2-Fluorophenol (Surr)	*81*		*10 - 150*	*06/04/25 07:00*	*06/07/25 19:46*	*1*
Nitrobenzene-d5 (Surr)	*87*		*22 - 150*	*06/04/25 07:00*	*06/07/25 19:46*	*1*
Phenol-d5 (Surr)	*85*		*10 - 150*	*06/04/25 07:00*	*06/07/25 19:46*	*1*
Terphenyl-d14 (Surr)	*52*		*28 - 150*	*06/04/25 07:00*	*06/07/25 19:46*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.308**	**H**	0.100	0.0630	mg/L			06/01/25 10:56	1
Sulfate	**11.8**		1.00	0.390	mg/L			06/01/25 10:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.340**	**J**	5.00	0.340	ug/L		06/04/25 05:08	06/04/25 12:57	1
Arsenic	ND		3.00	0.860	ug/L		06/04/25 05:08	06/04/25 12:57	1
Barium	**50.0**		5.00	0.890	ug/L		06/04/25 05:08	06/04/25 12:57	1
Beryllium	ND		0.500	0.200	ug/L		06/04/25 05:08	06/04/25 12:57	1
Cadmium	ND		0.500	0.0780	ug/L		06/04/25 05:08	06/04/25 12:57	1
Chromium	ND		5.00	1.20	ug/L		06/04/25 05:08	06/04/25 12:57	1
Cobalt	**0.260**	**J**	0.500	0.220	ug/L		06/04/25 05:08	06/04/25 12:57	1
Copper	**7.11**		5.00	1.08	ug/L		06/04/25 05:08	06/04/25 12:57	1
Lead	**1.71**	**J**	2.50	0.210	ug/L		06/04/25 05:08	06/04/25 12:57	1
Manganese	**41.8**		5.00	2.20	ug/L		06/04/25 05:08	06/04/25 12:57	1
Nickel	**1.94**	**J**	5.00	0.420	ug/L		06/04/25 05:08	06/04/25 12:57	1
Selenium	ND		2.50	0.990	ug/L		06/04/25 05:08	06/04/25 12:57	1
Silver	ND		1.00	0.390	ug/L		06/04/25 05:08	06/04/25 12:57	1
Thallium	ND		1.00	0.260	ug/L		06/04/25 05:08	06/04/25 12:57	1
Vanadium	**1.47**	**J**	10.0	0.630	ug/L		06/04/25 05:08	06/04/25 12:57	1
Zinc	**10.6**	**J**	20.0	2.80	ug/L		06/04/25 05:08	06/04/25 12:57	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0800	ug/L		06/04/25 12:47	06/05/25 09:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		0.0500	0.0460	mg/L			06/10/25 14:01	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276828-1

Client Sample ID: SW-8
Date Collected: 05/30/25 09:55
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0	10.0	ug/L			06/09/25 17:58	1
Benzene	ND		1.00	0.500	ug/L			06/09/25 17:58	1
Bromobenzene	ND		1.00	0.540	ug/L			06/09/25 17:58	1
Bromoform	ND		5.00	0.250	ug/L			06/09/25 17:58	1
Bromomethane	ND		1.00	0.980	ug/L			06/09/25 17:58	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/09/25 17:58	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/09/25 17:58	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/09/25 17:58	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/09/25 17:58	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/09/25 17:58	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/09/25 17:58	1
Chloroethane	ND		1.00	0.760	ug/L			06/09/25 17:58	1
Chloroform	ND		1.00	0.900	ug/L			06/09/25 17:58	1
Chloromethane	ND		1.00	0.400	ug/L			06/09/25 17:58	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/09/25 17:58	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/09/25 17:58	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/09/25 17:58	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/09/25 17:58	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/09/25 17:58	1
Dibromomethane	ND		5.00	0.220	ug/L			06/09/25 17:58	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/09/25 17:58	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/09/25 17:58	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/09/25 17:58	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/09/25 17:58	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/09/25 17:58	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/09/25 17:58	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/09/25 17:58	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/09/25 17:58	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/09/25 17:58	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/09/25 17:58	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/09/25 17:58	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/09/25 17:58	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/09/25 17:58	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/09/25 17:58	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			06/09/25 17:58	1
Hexane	ND		1.00	0.960	ug/L			06/09/25 17:58	1
2-Hexanone	ND		25.0	4.26	ug/L			06/09/25 17:58	1
Iodomethane	ND		1.00	0.900	ug/L			06/09/25 17:58	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/09/25 17:58	1
Isopropyl ether	ND		1.00	0.740	ug/L			06/09/25 17:58	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/09/25 17:58	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/09/25 17:58	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/09/25 17:58	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/09/25 17:58	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/09/25 17:58	1
Naphthalene	ND		5.00	3.00	ug/L			06/09/25 17:58	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/09/25 17:58	1
n-Heptane	ND		1.00	0.210	ug/L			06/09/25 17:58	1
N-Propylbenzene	ND		1.00	0.690	ug/L			06/09/25 17:58	1

Client Sample ID: SW-8

Date Collected: 05/30/25 09:55
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-2

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		5.00	3.00	ug/L			06/09/25 17:58	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/09/25 17:58	1
Styrene	ND		1.00	1.00	ug/L			06/09/25 17:58	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/09/25 17:58	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/09/25 17:58	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/09/25 17:58	1
Tetrachloroethene	ND		1.00	0.330	ug/L			06/09/25 17:58	1
Toluene	ND		1.00	0.900	ug/L			06/09/25 17:58	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/09/25 17:58	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/09/25 17:58	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/09/25 17:58	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/09/25 17:58	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/09/25 17:58	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/09/25 17:58	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/09/25 17:58	1
Trichloroethene	ND		1.00	0.150	ug/L			06/09/25 17:58	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			06/09/25 17:58	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/09/25 17:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/09/25 17:58	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/09/25 17:58	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/09/25 17:58	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/09/25 17:58	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/09/25 17:58	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/09/25 17:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*56 - 136*		*06/09/25 17:58*	*1*
Dibromofluoromethane	*99*		*79 - 130*		*06/09/25 17:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*59 - 146*		*06/09/25 17:58*	*1*
Toluene-d8 (Surr)	*95*		*64 - 132*		*06/09/25 17:58*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.295	0.295	ug/L		06/06/25 07:00	06/14/25 13:55	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*27*		*10 - 140*	*06/06/25 07:00*	*06/14/25 13:55*	*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		06/04/25 07:00	06/07/25 20:18	1
2,4,5-Trichlorophenol	ND		9.74	0.526	ug/L		06/04/25 07:00	06/07/25 20:18	1
2,4,6-Trichlorophenol	ND		9.74	1.06	ug/L		06/04/25 07:00	06/07/25 20:18	1
2,4-Dichlorophenol	ND		9.74	0.555	ug/L		06/04/25 07:00	06/07/25 20:18	1
2,4-Dimethylphenol	ND		9.74	0.234	ug/L		06/04/25 07:00	06/07/25 20:18	1
2,4-Dinitrophenol	ND		29.2	4.56	ug/L		06/04/25 07:00	06/07/25 20:18	1
2,4-Dinitrotoluene	ND		9.74	0.633	ug/L		06/04/25 07:00	06/07/25 20:18	1
2,6-Dinitrotoluene	ND		9.74	0.282	ug/L		06/04/25 07:00	06/07/25 20:18	1
2-Chloronaphthalene	ND		9.74	0.370	ug/L		06/04/25 07:00	06/07/25 20:18	1
2-Chlorophenol	ND		9.74	0.818	ug/L		06/04/25 07:00	06/07/25 20:18	1
2-Methylnaphthalene	ND		9.74	0.789	ug/L		06/04/25 07:00	06/07/25 20:18	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276828-1

Client Sample ID: SW-8
Date Collected: 05/30/25 09:55
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-2
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		9.74	0.740	ug/L		06/04/25 07:00	06/07/25 20:18	1
2-Nitroaniline	ND		9.74	1.33	ug/L		06/04/25 07:00	06/07/25 20:18	1
2-Nitrophenol	ND		9.74	1.14	ug/L		06/04/25 07:00	06/07/25 20:18	1
3 & 4 Methylphenol	ND		19.5	4.48	ug/L		06/04/25 07:00	06/07/25 20:18	1
3,3'-Dichlorobenzidine	ND		10.7	0.399	ug/L		06/04/25 07:00	06/07/25 20:18	1
3-Nitroaniline	ND		9.74	0.925	ug/L		06/04/25 07:00	06/07/25 20:18	1
4,6-Dinitro-2-methylphenol	ND		9.74	1.92	ug/L		06/04/25 07:00	06/07/25 20:18	1
4-Bromophenyl phenyl ether	ND		9.74	0.127	ug/L		06/04/25 07:00	06/07/25 20:18	1
4-Chloro-3-methylphenol	ND		9.74	0.711	ug/L		06/04/25 07:00	06/07/25 20:18	1
4-Chloroaniline	ND		9.74	0.273	ug/L		06/04/25 07:00	06/07/25 20:18	1
4-Chlorophenyl phenyl ether	ND		9.74	0.234	ug/L		06/04/25 07:00	06/07/25 20:18	1
4-Nitroaniline	ND		9.74	3.41	ug/L		06/04/25 07:00	06/07/25 20:18	1
4-Nitrophenol	ND		9.74	2.67	ug/L		06/04/25 07:00	06/07/25 20:18	1
Acenaphthene	ND		9.74	0.614	ug/L		06/04/25 07:00	06/07/25 20:18	1
Acenaphthylene	ND		9.74	0.740	ug/L		06/04/25 07:00	06/07/25 20:18	1
Acetophenone	ND		9.74	3.12	ug/L		06/04/25 07:00	06/07/25 20:18	1
Anthracene	ND		9.74	0.886	ug/L		06/04/25 07:00	06/07/25 20:18	1
Atrazine	ND		9.74	1.10	ug/L		06/04/25 07:00	06/07/25 20:18	1
Benzaldehyde	ND		9.74	0.653	ug/L		06/04/25 07:00	06/07/25 20:18	1
Benzo[a]anthracene	ND		9.74	0.974	ug/L		06/04/25 07:00	06/07/25 20:18	1
Benzo[a]pyrene	ND		9.74	1.07	ug/L		06/04/25 07:00	06/07/25 20:18	1
Benzo[b]fluoranthene	ND		9.74	1.17	ug/L		06/04/25 07:00	06/07/25 20:18	1
Benzo[g,h,i]perylene	ND		9.74	1.46	ug/L		06/04/25 07:00	06/07/25 20:18	1
Benzo[k]fluoranthene	ND		9.74	1.46	ug/L		06/04/25 07:00	06/07/25 20:18	1
bis (2-chloroisopropyl) ether	ND		9.74	0.906	ug/L		06/04/25 07:00	06/07/25 20:18	1
Bis(2-chloroethoxy)methane	ND		9.74	0.331	ug/L		06/04/25 07:00	06/07/25 20:18	1
Bis(2-chloroethyl)ether	ND		9.74	0.711	ug/L		06/04/25 07:00	06/07/25 20:18	1
Bis(2-ethylhexyl) phthalate	ND		9.74	3.90	ug/L		06/04/25 07:00	06/07/25 20:18	1
Butyl benzyl phthalate	ND		9.74	3.90	ug/L		06/04/25 07:00	06/07/25 20:18	1
Caprolactam	ND		9.74	2.34	ug/L		06/04/25 07:00	06/07/25 20:18	1
Carbazole	ND		9.74	0.312	ug/L		06/04/25 07:00	06/07/25 20:18	1
Chrysene	ND		9.74	1.17	ug/L		06/04/25 07:00	06/07/25 20:18	1
Dibenz(a,h)anthracene	ND		9.74	1.27	ug/L		06/04/25 07:00	06/07/25 20:18	1
Dibenzofuran	ND		9.74	0.623	ug/L		06/04/25 07:00	06/07/25 20:18	1
Diethyl phthalate	ND		9.74	3.90	ug/L		06/04/25 07:00	06/07/25 20:18	1
Dimethyl phthalate	ND		9.74	3.90	ug/L		06/04/25 07:00	06/07/25 20:18	1
Di-n-butyl phthalate	ND		9.74	3.90	ug/L		06/04/25 07:00	06/07/25 20:18	1
Di-n-octyl phthalate	ND		9.74	3.90	ug/L		06/04/25 07:00	06/07/25 20:18	1
Fluoranthene	ND		9.74	0.614	ug/L		06/04/25 07:00	06/07/25 20:18	1
Fluorene	ND		9.74	0.653	ug/L		06/04/25 07:00	06/07/25 20:18	1
Hexachlorobenzene	ND		9.74	0.244	ug/L		06/04/25 07:00	06/07/25 20:18	1
Hexachlorobutadiene	ND		9.74	0.536	ug/L		06/04/25 07:00	06/07/25 20:18	1
Hexachlorocyclopentadiene	ND		19.5	0.312	ug/L		06/04/25 07:00	06/07/25 20:18	1
Hexachloroethane	ND		9.74	0.516	ug/L		06/04/25 07:00	06/07/25 20:18	1
Indeno[1,2,3-cd]pyrene	ND		9.74	1.07	ug/L		06/04/25 07:00	06/07/25 20:18	1
Isophorone	ND		9.74	0.779	ug/L		06/04/25 07:00	06/07/25 20:18	1
Naphthalene	ND		9.74	0.731	ug/L		06/04/25 07:00	06/07/25 20:18	1
Nitrobenzene	ND		9.74	0.584	ug/L		06/04/25 07:00	06/07/25 20:18	1
N-Nitrosodi-n-propylamine	ND		9.74	0.321	ug/L		06/04/25 07:00	06/07/25 20:18	1

Client Sample ID: SW-8

Date Collected: 05/30/25 09:55
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-2

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		9.74	0.185	ug/L		06/04/25 07:00	06/07/25 20:18	1
Pentachlorophenol	ND		9.74	2.73	ug/L		06/04/25 07:00	06/07/25 20:18	1
Phenanthrene	ND		9.74	0.721	ug/L		06/04/25 07:00	06/07/25 20:18	1
Phenol	ND		9.74	0.662	ug/L		06/04/25 07:00	06/07/25 20:18	1
Pyrene	ND		9.74	0.614	ug/L		06/04/25 07:00	06/07/25 20:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*73*		*10 - 150*	*06/04/25 07:00*	*06/07/25 20:18*	*1*
2-Fluorobiphenyl (Surr)	*77*		*25 - 139*	*06/04/25 07:00*	*06/07/25 20:18*	*1*
2-Fluorophenol (Surr)	*75*		*10 - 150*	*06/04/25 07:00*	*06/07/25 20:18*	*1*
Nitrobenzene-d5 (Surr)	*90*		*22 - 150*	*06/04/25 07:00*	*06/07/25 20:18*	*1*
Phenol-d5 (Surr)	*77*		*10 - 150*	*06/04/25 07:00*	*06/07/25 20:18*	*1*
Terphenyl-d14 (Surr)	*52*		*28 - 150*	*06/04/25 07:00*	*06/07/25 20:18*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.247**		0.100	0.0630	mg/L			06/01/25 08:32	1
Sulfate	**12.2**		1.00	0.390	mg/L			06/01/25 08:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.340**	**J**	5.00	0.340	ug/L		06/04/25 05:08	06/04/25 12:54	1
Arsenic	ND		3.00	0.860	ug/L		06/04/25 05:08	06/04/25 12:54	1
Barium	**51.9**		5.00	0.890	ug/L		06/04/25 05:08	06/04/25 12:54	1
Beryllium	ND		0.500	0.200	ug/L		06/04/25 05:08	06/04/25 12:54	1
Cadmium	ND		0.500	0.0780	ug/L		06/04/25 05:08	06/04/25 12:54	1
Chromium	ND		5.00	1.20	ug/L		06/04/25 05:08	06/04/25 12:54	1
Cobalt	**0.250**	**J**	0.500	0.220	ug/L		06/04/25 05:08	06/04/25 12:54	1
Copper	**6.95**		5.00	1.08	ug/L		06/04/25 05:08	06/04/25 12:54	1
Lead	**1.72**	**J**	2.50	0.210	ug/L		06/04/25 05:08	06/04/25 12:54	1
Manganese	**54.9**		5.00	2.20	ug/L		06/04/25 05:08	06/04/25 12:54	1
Nickel	**1.99**	**J**	5.00	0.420	ug/L		06/04/25 05:08	06/04/25 12:54	1
Selenium	ND		2.50	0.990	ug/L		06/04/25 05:08	06/04/25 12:54	1
Silver	ND		1.00	0.390	ug/L		06/04/25 05:08	06/04/25 12:54	1
Thallium	ND		1.00	0.260	ug/L		06/04/25 05:08	06/04/25 12:54	1
Vanadium	**1.21**	**J**	10.0	0.630	ug/L		06/04/25 05:08	06/04/25 12:54	1
Zinc	**11.1**	**J**	20.0	2.80	ug/L		06/04/25 05:08	06/04/25 12:54	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0800	ug/L		06/04/25 12:47	06/05/25 09:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		0.0500	0.0460	mg/L			06/10/25 14:14	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276828-1

Client Sample ID: SW-7
Date Collected: 05/30/25 10:25
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0	10.0	ug/L			06/09/25 18:24	1
Benzene	ND		1.00	0.500	ug/L			06/09/25 18:24	1
Bromobenzene	ND		1.00	0.540	ug/L			06/09/25 18:24	1
Bromoform	ND		5.00	0.250	ug/L			06/09/25 18:24	1
Bromomethane	ND		1.00	0.980	ug/L			06/09/25 18:24	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/09/25 18:24	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/09/25 18:24	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/09/25 18:24	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/09/25 18:24	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/09/25 18:24	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/09/25 18:24	1
Chloroethane	ND		1.00	0.760	ug/L			06/09/25 18:24	1
Chloroform	ND		1.00	0.900	ug/L			06/09/25 18:24	1
Chloromethane	ND		1.00	0.400	ug/L			06/09/25 18:24	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/09/25 18:24	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/09/25 18:24	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/09/25 18:24	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/09/25 18:24	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/09/25 18:24	1
Dibromomethane	ND		5.00	0.220	ug/L			06/09/25 18:24	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/09/25 18:24	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/09/25 18:24	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/09/25 18:24	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/09/25 18:24	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/09/25 18:24	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/09/25 18:24	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/09/25 18:24	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/09/25 18:24	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/09/25 18:24	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/09/25 18:24	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/09/25 18:24	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/09/25 18:24	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/09/25 18:24	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/09/25 18:24	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			06/09/25 18:24	1
Hexane	ND		1.00	0.960	ug/L			06/09/25 18:24	1
2-Hexanone	ND		25.0	4.26	ug/L			06/09/25 18:24	1
Iodomethane	ND		1.00	0.900	ug/L			06/09/25 18:24	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/09/25 18:24	1
Isopropyl ether	ND		1.00	0.740	ug/L			06/09/25 18:24	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/09/25 18:24	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/09/25 18:24	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/09/25 18:24	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/09/25 18:24	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/09/25 18:24	1
Naphthalene	ND		5.00	3.00	ug/L			06/09/25 18:24	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/09/25 18:24	1
n-Heptane	ND		1.00	0.210	ug/L			06/09/25 18:24	1
N-Propylbenzene	ND		1.00	0.690	ug/L			06/09/25 18:24	1

Client Sample ID: SW-7
Date Collected: 05/30/25 10:25
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		5.00	3.00	ug/L			06/09/25 18:24	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/09/25 18:24	1
Styrene	ND		1.00	1.00	ug/L			06/09/25 18:24	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/09/25 18:24	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/09/25 18:24	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/09/25 18:24	1
Tetrachloroethene	ND		1.00	0.330	ug/L			06/09/25 18:24	1
Toluene	ND		1.00	0.900	ug/L			06/09/25 18:24	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/09/25 18:24	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/09/25 18:24	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/09/25 18:24	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/09/25 18:24	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/09/25 18:24	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/09/25 18:24	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/09/25 18:24	1
Trichloroethene	ND		1.00	0.150	ug/L			06/09/25 18:24	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			06/09/25 18:24	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/09/25 18:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/09/25 18:24	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/09/25 18:24	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/09/25 18:24	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/09/25 18:24	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/09/25 18:24	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/09/25 18:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*56 - 136*		*06/09/25 18:24*	*1*
Dibromofluoromethane	*100*		*79 - 130*		*06/09/25 18:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*59 - 146*		*06/09/25 18:24*	*1*
Toluene-d8 (Surr)	*96*		*64 - 132*		*06/09/25 18:24*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.287	0.287	ug/L		06/06/25 07:00	06/14/25 14:21	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*26*		*10 - 140*	*06/06/25 07:00*	*06/14/25 14:21*	*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		9.68	0.406	ug/L		06/04/25 07:00	06/07/25 20:49	1
2,4,5-Trichlorophenol	ND		9.68	0.523	ug/L		06/04/25 07:00	06/07/25 20:49	1
2,4,6-Trichlorophenol	ND		9.68	1.05	ug/L		06/04/25 07:00	06/07/25 20:49	1
2,4-Dichlorophenol	ND		9.68	0.552	ug/L		06/04/25 07:00	06/07/25 20:49	1
2,4-Dimethylphenol	ND		9.68	0.232	ug/L		06/04/25 07:00	06/07/25 20:49	1
2,4-Dinitrophenol	ND		29.0	4.53	ug/L		06/04/25 07:00	06/07/25 20:49	1
2,4-Dinitrotoluene	ND		9.68	0.629	ug/L		06/04/25 07:00	06/07/25 20:49	1
2,6-Dinitrotoluene	ND		9.68	0.281	ug/L		06/04/25 07:00	06/07/25 20:49	1
2-Chloronaphthalene	ND		9.68	0.368	ug/L		06/04/25 07:00	06/07/25 20:49	1
2-Chlorophenol	ND		9.68	0.813	ug/L		06/04/25 07:00	06/07/25 20:49	1
2-Methylnaphthalene	ND		9.68	0.784	ug/L		06/04/25 07:00	06/07/25 20:49	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276828-1

Client Sample ID: SW-7
Date Collected: 05/30/25 10:25
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		9.68	0.735	ug/L		06/04/25 07:00	06/07/25 20:49	1
2-Nitroaniline	ND		9.68	1.33	ug/L		06/04/25 07:00	06/07/25 20:49	1
2-Nitrophenol	ND		9.68	1.13	ug/L		06/04/25 07:00	06/07/25 20:49	1
3 & 4 Methylphenol	ND		19.4	4.45	ug/L		06/04/25 07:00	06/07/25 20:49	1
3,3'-Dichlorobenzidine	ND		10.6	0.397	ug/L		06/04/25 07:00	06/07/25 20:49	1
3-Nitroaniline	ND		9.68	0.919	ug/L		06/04/25 07:00	06/07/25 20:49	1
4,6-Dinitro-2-methylphenol	ND		9.68	1.91	ug/L		06/04/25 07:00	06/07/25 20:49	1
4-Bromophenyl phenyl ether	ND		9.68	0.126	ug/L		06/04/25 07:00	06/07/25 20:49	1
4-Chloro-3-methylphenol	ND		9.68	0.706	ug/L		06/04/25 07:00	06/07/25 20:49	1
4-Chloroaniline	ND		9.68	0.271	ug/L		06/04/25 07:00	06/07/25 20:49	1
4-Chlorophenyl phenyl ether	ND		9.68	0.232	ug/L		06/04/25 07:00	06/07/25 20:49	1
4-Nitroaniline	ND		9.68	3.39	ug/L		06/04/25 07:00	06/07/25 20:49	1
4-Nitrophenol	ND		9.68	2.65	ug/L		06/04/25 07:00	06/07/25 20:49	1
Acenaphthene	ND		9.68	0.610	ug/L		06/04/25 07:00	06/07/25 20:49	1
Acenaphthylene	ND		9.68	0.735	ug/L		06/04/25 07:00	06/07/25 20:49	1
Acetophenone	ND		9.68	3.10	ug/L		06/04/25 07:00	06/07/25 20:49	1
Anthracene	ND		9.68	0.881	ug/L		06/04/25 07:00	06/07/25 20:49	1
Atrazine	ND		9.68	1.09	ug/L		06/04/25 07:00	06/07/25 20:49	1
Benzaldehyde	ND		9.68	0.648	ug/L		06/04/25 07:00	06/07/25 20:49	1
Benzo[a]anthracene	ND		9.68	0.968	ug/L		06/04/25 07:00	06/07/25 20:49	1
Benzo[a]pyrene	ND		9.68	1.06	ug/L		06/04/25 07:00	06/07/25 20:49	1
Benzo[b]fluoranthene	ND		9.68	1.16	ug/L		06/04/25 07:00	06/07/25 20:49	1
Benzo[g,h,i]perylene	ND		9.68	1.45	ug/L		06/04/25 07:00	06/07/25 20:49	1
Benzo[k]fluoranthene	ND		9.68	1.45	ug/L		06/04/25 07:00	06/07/25 20:49	1
bis (2-chloroisopropyl) ether	ND		9.68	0.900	ug/L		06/04/25 07:00	06/07/25 20:49	1
Bis(2-chloroethoxy)methane	ND		9.68	0.329	ug/L		06/04/25 07:00	06/07/25 20:49	1
Bis(2-chloroethyl)ether	ND		9.68	0.706	ug/L		06/04/25 07:00	06/07/25 20:49	1
Bis(2-ethylhexyl) phthalate	ND		9.68	3.87	ug/L		06/04/25 07:00	06/07/25 20:49	1
Butyl benzyl phthalate	ND		9.68	3.87	ug/L		06/04/25 07:00	06/07/25 20:49	1
Caprolactam	ND		9.68	2.32	ug/L		06/04/25 07:00	06/07/25 20:49	1
Carbazole	ND		9.68	0.310	ug/L		06/04/25 07:00	06/07/25 20:49	1
Chrysene	ND		9.68	1.16	ug/L		06/04/25 07:00	06/07/25 20:49	1
Dibenz(a,h)anthracene	ND		9.68	1.26	ug/L		06/04/25 07:00	06/07/25 20:49	1
Dibenzofuran	ND		9.68	0.619	ug/L		06/04/25 07:00	06/07/25 20:49	1
Diethyl phthalate	ND		9.68	3.87	ug/L		06/04/25 07:00	06/07/25 20:49	1
Dimethyl phthalate	ND		9.68	3.87	ug/L		06/04/25 07:00	06/07/25 20:49	1
Di-n-butyl phthalate	ND		9.68	3.87	ug/L		06/04/25 07:00	06/07/25 20:49	1
Di-n-octyl phthalate	ND		9.68	3.87	ug/L		06/04/25 07:00	06/07/25 20:49	1
Fluoranthene	ND		9.68	0.610	ug/L		06/04/25 07:00	06/07/25 20:49	1
Fluorene	ND		9.68	0.648	ug/L		06/04/25 07:00	06/07/25 20:49	1
Hexachlorobenzene	ND		9.68	0.242	ug/L		06/04/25 07:00	06/07/25 20:49	1
Hexachlorobutadiene	ND		9.68	0.532	ug/L		06/04/25 07:00	06/07/25 20:49	1
Hexachlorocyclopentadiene	ND		19.4	0.310	ug/L		06/04/25 07:00	06/07/25 20:49	1
Hexachloroethane	ND		9.68	0.513	ug/L		06/04/25 07:00	06/07/25 20:49	1
Indeno[1,2,3-cd]pyrene	ND		9.68	1.06	ug/L		06/04/25 07:00	06/07/25 20:49	1
Isophorone	ND		9.68	0.774	ug/L		06/04/25 07:00	06/07/25 20:49	1
Naphthalene	ND		9.68	0.726	ug/L		06/04/25 07:00	06/07/25 20:49	1
Nitrobenzene	ND		9.68	0.581	ug/L		06/04/25 07:00	06/07/25 20:49	1
N-Nitrosodi-n-propylamine	ND		9.68	0.319	ug/L		06/04/25 07:00	06/07/25 20:49	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276828-1

Client Sample ID: SW-7

Date Collected: 05/30/25 10:25
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-3

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		9.68	0.184	ug/L		06/04/25 07:00	06/07/25 20:49	1
Pentachlorophenol	ND		9.68	2.71	ug/L		06/04/25 07:00	06/07/25 20:49	1
Phenanthrene	ND		9.68	0.716	ug/L		06/04/25 07:00	06/07/25 20:49	1
Phenol	ND		9.68	0.658	ug/L		06/04/25 07:00	06/07/25 20:49	1
Pyrene	ND		9.68	0.610	ug/L		06/04/25 07:00	06/07/25 20:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*73*		*10 - 150*	*06/04/25 07:00*	*06/07/25 20:49*	*1*
2-Fluorobiphenyl (Surr)	*77*		*25 - 139*	*06/04/25 07:00*	*06/07/25 20:49*	*1*
2-Fluorophenol (Surr)	*75*		*10 - 150*	*06/04/25 07:00*	*06/07/25 20:49*	*1*
Nitrobenzene-d5 (Surr)	*86*		*22 - 150*	*06/04/25 07:00*	*06/07/25 20:49*	*1*
Phenol-d5 (Surr)	*80*		*10 - 150*	*06/04/25 07:00*	*06/07/25 20:49*	*1*
Terphenyl-d14 (Surr)	*52*		*28 - 150*	*06/04/25 07:00*	*06/07/25 20:49*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.244**		0.100	0.0630	mg/L			06/01/25 08:40	1
Sulfate	**13.5**		1.00	0.390	mg/L			06/01/25 08:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.450**	**J**	5.00	0.340	ug/L		06/04/25 05:08	06/04/25 13:12	1
Arsenic	ND		3.00	0.860	ug/L		06/04/25 05:08	06/04/25 13:12	1
Barium	**50.7**		5.00	0.890	ug/L		06/04/25 05:08	06/04/25 13:12	1
Beryllium	ND		0.500	0.200	ug/L		06/04/25 05:08	06/04/25 13:12	1
Cadmium	ND		0.500	0.0780	ug/L		06/04/25 05:08	06/04/25 13:12	1
Chromium	ND		5.00	1.20	ug/L		06/04/25 05:08	06/04/25 13:12	1
Cobalt	**0.250**	**J**	0.500	0.220	ug/L		06/04/25 05:08	06/04/25 13:12	1
Copper	**7.53**		5.00	1.08	ug/L		06/04/25 05:08	06/04/25 13:12	1
Lead	**2.56**		2.50	0.210	ug/L		06/04/25 05:08	06/04/25 13:12	1
Manganese	**47.8**		5.00	2.20	ug/L		06/04/25 05:08	06/04/25 13:12	1
Nickel	**1.83**	**J**	5.00	0.420	ug/L		06/04/25 05:08	06/04/25 13:12	1
Selenium	ND		2.50	0.990	ug/L		06/04/25 05:08	06/04/25 13:12	1
Silver	ND		1.00	0.390	ug/L		06/04/25 05:08	06/04/25 13:12	1
Thallium	ND		1.00	0.260	ug/L		06/04/25 05:08	06/04/25 13:12	1
Vanadium	**1.25**	**J**	10.0	0.630	ug/L		06/04/25 05:08	06/04/25 13:12	1
Zinc	**10.6**	**J**	20.0	2.80	ug/L		06/04/25 05:08	06/04/25 13:12	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0800	ug/L		06/04/25 12:47	06/05/25 09:19	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			06/10/25 14:17	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276828-1

Client Sample ID: SW-6
Date Collected: 05/30/25 11:25
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0	10.0	ug/L			06/10/25 08:56	1
Benzene	ND		1.00	0.500	ug/L			06/10/25 08:56	1
Bromobenzene	ND		1.00	0.540	ug/L			06/10/25 08:56	1
Bromoform	ND		5.00	0.250	ug/L			06/10/25 08:56	1
Bromomethane	ND		1.00	0.980	ug/L			06/10/25 08:56	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/10/25 08:56	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/10/25 08:56	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/10/25 08:56	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/10/25 08:56	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/10/25 08:56	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/10/25 08:56	1
Chloroethane	ND		1.00	0.760	ug/L			06/10/25 08:56	1
Chloroform	ND		1.00	0.900	ug/L			06/10/25 08:56	1
Chloromethane	ND		1.00	0.400	ug/L			06/10/25 08:56	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/10/25 08:56	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/10/25 08:56	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/10/25 08:56	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/10/25 08:56	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/10/25 08:56	1
Dibromomethane	ND		5.00	0.220	ug/L			06/10/25 08:56	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/10/25 08:56	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/10/25 08:56	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/10/25 08:56	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/10/25 08:56	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/10/25 08:56	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/10/25 08:56	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/10/25 08:56	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/10/25 08:56	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/10/25 08:56	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/10/25 08:56	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/10/25 08:56	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/10/25 08:56	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/10/25 08:56	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/10/25 08:56	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			06/10/25 08:56	1
Hexane	ND		1.00	0.960	ug/L			06/10/25 08:56	1
2-Hexanone	ND		25.0	4.26	ug/L			06/10/25 08:56	1
Iodomethane	ND		1.00	0.900	ug/L			06/10/25 08:56	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/10/25 08:56	1
Isopropyl ether	ND		1.00	0.740	ug/L			06/10/25 08:56	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/10/25 08:56	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/10/25 08:56	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/10/25 08:56	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/10/25 08:56	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/10/25 08:56	1
Naphthalene	ND		5.00	3.00	ug/L			06/10/25 08:56	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/10/25 08:56	1
n-Heptane	ND		1.00	0.210	ug/L			06/10/25 08:56	1
N-Propylbenzene	ND		1.00	0.690	ug/L			06/10/25 08:56	1

Client Sample ID: SW-6
Date Collected: 05/30/25 11:25
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		5.00	3.00	ug/L			06/10/25 08:56	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/10/25 08:56	1
Styrene	ND		1.00	1.00	ug/L			06/10/25 08:56	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/10/25 08:56	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/10/25 08:56	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/10/25 08:56	1
Tetrachloroethene	ND		1.00	0.330	ug/L			06/10/25 08:56	1
Toluene	ND		1.00	0.900	ug/L			06/10/25 08:56	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/10/25 08:56	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/10/25 08:56	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/10/25 08:56	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/10/25 08:56	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/10/25 08:56	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/10/25 08:56	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/10/25 08:56	1
Trichloroethene	ND		1.00	0.150	ug/L			06/10/25 08:56	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			06/10/25 08:56	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/10/25 08:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/10/25 08:56	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/10/25 08:56	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/10/25 08:56	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/10/25 08:56	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/10/25 08:56	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/10/25 08:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*56 - 136*		*06/10/25 08:56*	*1*
Dibromofluoromethane	*101*		*79 - 130*		*06/10/25 08:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*59 - 146*		*06/10/25 08:56*	*1*
Toluene-d8 (Surr)	*96*		*64 - 132*		*06/10/25 08:56*	*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		0.291	0.291	ug/L		06/06/25 07:00	06/14/25 14:46	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*29*		*10 - 140*	*06/06/25 07:00*	*06/14/25 14:46*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.74	0.409	ug/L		06/04/25 07:00	06/07/25 21:20	1
2,4,5-Trichlorophenol	ND		9.74	0.526	ug/L		06/04/25 07:00	06/07/25 21:20	1
2,4,6-Trichlorophenol	ND		9.74	1.06	ug/L		06/04/25 07:00	06/07/25 21:20	1
2,4-Dichlorophenol	ND		9.74	0.555	ug/L		06/04/25 07:00	06/07/25 21:20	1
2,4-Dimethylphenol	ND		9.74	0.234	ug/L		06/04/25 07:00	06/07/25 21:20	1
2,4-Dinitrophenol	ND		29.2	4.56	ug/L		06/04/25 07:00	06/07/25 21:20	1
2,4-Dinitrotoluene	ND		9.74	0.633	ug/L		06/04/25 07:00	06/07/25 21:20	1
2,6-Dinitrotoluene	ND		9.74	0.282	ug/L		06/04/25 07:00	06/07/25 21:20	1
2-Chloronaphthalene	ND		9.74	0.370	ug/L		06/04/25 07:00	06/07/25 21:20	1
2-Chlorophenol	ND		9.74	0.818	ug/L		06/04/25 07:00	06/07/25 21:20	1
2-Methylnaphthalene	ND		9.74	0.789	ug/L		06/04/25 07:00	06/07/25 21:20	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276828-1

Client Sample ID: SW-6
Date Collected: 05/30/25 11:25
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		9.74	0.740	ug/L		06/04/25 07:00	06/07/25 21:20	1
2-Nitroaniline	ND		9.74	1.33	ug/L		06/04/25 07:00	06/07/25 21:20	1
2-Nitrophenol	ND		9.74	1.14	ug/L		06/04/25 07:00	06/07/25 21:20	1
3 & 4 Methylphenol	ND		19.5	4.48	ug/L		06/04/25 07:00	06/07/25 21:20	1
3,3'-Dichlorobenzidine	ND		10.7	0.399	ug/L		06/04/25 07:00	06/07/25 21:20	1
3-Nitroaniline	ND		9.74	0.925	ug/L		06/04/25 07:00	06/07/25 21:20	1
4,6-Dinitro-2-methylphenol	ND		9.74	1.92	ug/L		06/04/25 07:00	06/07/25 21:20	1
4-Bromophenyl phenyl ether	ND		9.74	0.127	ug/L		06/04/25 07:00	06/07/25 21:20	1
4-Chloro-3-methylphenol	ND		9.74	0.711	ug/L		06/04/25 07:00	06/07/25 21:20	1
4-Chloroaniline	ND		9.74	0.273	ug/L		06/04/25 07:00	06/07/25 21:20	1
4-Chlorophenyl phenyl ether	ND		9.74	0.234	ug/L		06/04/25 07:00	06/07/25 21:20	1
4-Nitroaniline	ND		9.74	3.41	ug/L		06/04/25 07:00	06/07/25 21:20	1
4-Nitrophenol	ND		9.74	2.67	ug/L		06/04/25 07:00	06/07/25 21:20	1
Acenaphthene	ND		9.74	0.614	ug/L		06/04/25 07:00	06/07/25 21:20	1
Acenaphthylene	ND		9.74	0.740	ug/L		06/04/25 07:00	06/07/25 21:20	1
Acetophenone	ND		9.74	3.12	ug/L		06/04/25 07:00	06/07/25 21:20	1
Anthracene	ND		9.74	0.886	ug/L		06/04/25 07:00	06/07/25 21:20	1
Atrazine	ND		9.74	1.10	ug/L		06/04/25 07:00	06/07/25 21:20	1
Benzaldehyde	ND		9.74	0.653	ug/L		06/04/25 07:00	06/07/25 21:20	1
Benzo[a]anthracene	ND		9.74	0.974	ug/L		06/04/25 07:00	06/07/25 21:20	1
Benzo[a]pyrene	ND		9.74	1.07	ug/L		06/04/25 07:00	06/07/25 21:20	1
Benzo[b]fluoranthene	ND		9.74	1.17	ug/L		06/04/25 07:00	06/07/25 21:20	1
Benzo[g,h,i]perylene	ND		9.74	1.46	ug/L		06/04/25 07:00	06/07/25 21:20	1
Benzo[k]fluoranthene	ND		9.74	1.46	ug/L		06/04/25 07:00	06/07/25 21:20	1
bis (2-chloroisopropyl) ether	ND		9.74	0.906	ug/L		06/04/25 07:00	06/07/25 21:20	1
Bis(2-chloroethoxy)methane	ND		9.74	0.331	ug/L		06/04/25 07:00	06/07/25 21:20	1
Bis(2-chloroethyl)ether	ND		9.74	0.711	ug/L		06/04/25 07:00	06/07/25 21:20	1
Bis(2-ethylhexyl) phthalate	ND		9.74	3.90	ug/L		06/04/25 07:00	06/07/25 21:20	1
Butyl benzyl phthalate	ND		9.74	3.90	ug/L		06/04/25 07:00	06/07/25 21:20	1
Caprolactam	ND		9.74	2.34	ug/L		06/04/25 07:00	06/07/25 21:20	1
Carbazole	ND		9.74	0.312	ug/L		06/04/25 07:00	06/07/25 21:20	1
Chrysene	ND		9.74	1.17	ug/L		06/04/25 07:00	06/07/25 21:20	1
Dibenz(a,h)anthracene	ND		9.74	1.27	ug/L		06/04/25 07:00	06/07/25 21:20	1
Dibenzofuran	ND		9.74	0.623	ug/L		06/04/25 07:00	06/07/25 21:20	1
Diethyl phthalate	ND		9.74	3.90	ug/L		06/04/25 07:00	06/07/25 21:20	1
Dimethyl phthalate	ND		9.74	3.90	ug/L		06/04/25 07:00	06/07/25 21:20	1
Di-n-butyl phthalate	ND		9.74	3.90	ug/L		06/04/25 07:00	06/07/25 21:20	1
Di-n-octyl phthalate	ND		9.74	3.90	ug/L		06/04/25 07:00	06/07/25 21:20	1
Fluoranthene	ND		9.74	0.614	ug/L		06/04/25 07:00	06/07/25 21:20	1
Fluorene	ND		9.74	0.653	ug/L		06/04/25 07:00	06/07/25 21:20	1
Hexachlorobenzene	ND		9.74	0.244	ug/L		06/04/25 07:00	06/07/25 21:20	1
Hexachlorobutadiene	ND		9.74	0.536	ug/L		06/04/25 07:00	06/07/25 21:20	1
Hexachlorocyclopentadiene	ND		19.5	0.312	ug/L		06/04/25 07:00	06/07/25 21:20	1
Hexachloroethane	ND		9.74	0.516	ug/L		06/04/25 07:00	06/07/25 21:20	1
Indeno[1,2,3-cd]pyrene	ND		9.74	1.07	ug/L		06/04/25 07:00	06/07/25 21:20	1
Isophorone	ND		9.74	0.779	ug/L		06/04/25 07:00	06/07/25 21:20	1
Naphthalene	ND		9.74	0.731	ug/L		06/04/25 07:00	06/07/25 21:20	1
Nitrobenzene	ND		9.74	0.584	ug/L		06/04/25 07:00	06/07/25 21:20	1
N-Nitrosodi-n-propylamine	ND		9.74	0.321	ug/L		06/04/25 07:00	06/07/25 21:20	1

Client Sample ID: SW-6

Date Collected: 05/30/25 11:25
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		9.74	0.185	ug/L		06/04/25 07:00	06/07/25 21:20	1
Pentachlorophenol	ND		9.74	2.73	ug/L		06/04/25 07:00	06/07/25 21:20	1
Phenanthrene	ND		9.74	0.721	ug/L		06/04/25 07:00	06/07/25 21:20	1
Phenol	ND		9.74	0.662	ug/L		06/04/25 07:00	06/07/25 21:20	1
Pyrene	ND		9.74	0.614	ug/L		06/04/25 07:00	06/07/25 21:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*75*		*10 - 150*	*06/04/25 07:00*	*06/07/25 21:20*	*1*
2-Fluorobiphenyl (Surr)	*79*		*25 - 139*	*06/04/25 07:00*	*06/07/25 21:20*	*1*
2-Fluorophenol (Surr)	*78*		*10 - 150*	*06/04/25 07:00*	*06/07/25 21:20*	*1*
Nitrobenzene-d5 (Surr)	*88*		*22 - 150*	*06/04/25 07:00*	*06/07/25 21:20*	*1*
Phenol-d5 (Surr)	*82*		*10 - 150*	*06/04/25 07:00*	*06/07/25 21:20*	*1*
Terphenyl-d14 (Surr)	*54*		*28 - 150*	*06/04/25 07:00*	*06/07/25 21:20*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.254**		0.100	0.0630	mg/L			06/01/25 08:49	1
Sulfate	**14.6**		1.00	0.390	mg/L			06/01/25 08:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.400**	**J**	5.00	0.340	ug/L		06/04/25 05:08	06/04/25 12:52	1
Arsenic	**0.915**	**J**	3.00	0.860	ug/L		06/04/25 05:08	06/04/25 12:52	1
Barium	**51.0**		5.00	0.890	ug/L		06/04/25 05:08	06/04/25 12:52	1
Beryllium	ND		0.500	0.200	ug/L		06/04/25 05:08	06/04/25 12:52	1
Cadmium	ND		0.500	0.0780	ug/L		06/04/25 05:08	06/04/25 12:52	1
Chromium	ND		5.00	1.20	ug/L		06/04/25 05:08	06/04/25 12:52	1
Cobalt	ND		0.500	0.220	ug/L		06/04/25 05:08	06/04/25 12:52	1
Copper	**7.20**		5.00	1.08	ug/L		06/04/25 05:08	06/04/25 12:52	1
Lead	**1.37**	**J**	2.50	0.210	ug/L		06/04/25 05:08	06/04/25 12:52	1
Manganese	**37.9**		5.00	2.20	ug/L		06/04/25 05:08	06/04/25 12:52	1
Nickel	**1.86**	**J**	5.00	0.420	ug/L		06/04/25 05:08	06/04/25 12:52	1
Selenium	ND		2.50	0.990	ug/L		06/04/25 05:08	06/04/25 12:52	1
Silver	ND		1.00	0.390	ug/L		06/04/25 05:08	06/04/25 12:52	1
Thallium	ND		1.00	0.260	ug/L		06/04/25 05:08	06/04/25 12:52	1
Vanadium	**1.04**	**J**	10.0	0.630	ug/L		06/04/25 05:08	06/04/25 12:52	1
Zinc	**8.62**	**J**	20.0	2.80	ug/L		06/04/25 05:08	06/04/25 12:52	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0800	ug/L		06/04/25 12:47	06/05/25 09:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		0.0500	0.0460	mg/L			06/10/25 14:20	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276828-1

Client Sample ID: SW-DUP
Date Collected: 05/30/25 11:25
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0	10.0	ug/L			06/10/25 11:04	1
Benzene	ND		1.00	0.500	ug/L			06/10/25 11:04	1
Bromobenzene	ND		1.00	0.540	ug/L			06/10/25 11:04	1
Bromoform	ND		5.00	0.250	ug/L			06/10/25 11:04	1
Bromomethane	ND		1.00	0.980	ug/L			06/10/25 11:04	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/10/25 11:04	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/10/25 11:04	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/10/25 11:04	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/10/25 11:04	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/10/25 11:04	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/10/25 11:04	1
Chloroethane	ND		1.00	0.760	ug/L			06/10/25 11:04	1
Chloroform	ND		1.00	0.900	ug/L			06/10/25 11:04	1
Chloromethane	ND		1.00	0.400	ug/L			06/10/25 11:04	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/10/25 11:04	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/10/25 11:04	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/10/25 11:04	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/10/25 11:04	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/10/25 11:04	1
Dibromomethane	ND		5.00	0.220	ug/L			06/10/25 11:04	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/10/25 11:04	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/10/25 11:04	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/10/25 11:04	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/10/25 11:04	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/10/25 11:04	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/10/25 11:04	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/10/25 11:04	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/10/25 11:04	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/10/25 11:04	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/10/25 11:04	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/10/25 11:04	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/10/25 11:04	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/10/25 11:04	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/10/25 11:04	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			06/10/25 11:04	1
Hexane	ND		1.00	0.960	ug/L			06/10/25 11:04	1
2-Hexanone	ND		25.0	4.26	ug/L			06/10/25 11:04	1
Iodomethane	ND		1.00	0.900	ug/L			06/10/25 11:04	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/10/25 11:04	1
Isopropyl ether	ND		1.00	0.740	ug/L			06/10/25 11:04	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/10/25 11:04	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/10/25 11:04	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/10/25 11:04	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/10/25 11:04	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/10/25 11:04	1
Naphthalene	ND		5.00	3.00	ug/L			06/10/25 11:04	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/10/25 11:04	1
n-Heptane	ND		1.00	0.210	ug/L			06/10/25 11:04	1
N-Propylbenzene	ND		1.00	0.690	ug/L			06/10/25 11:04	1

Client Sample ID: SW-DUP
Date Collected: 05/30/25 11:25
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		5.00	3.00	ug/L			06/10/25 11:04	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/10/25 11:04	1
Styrene	ND		1.00	1.00	ug/L			06/10/25 11:04	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/10/25 11:04	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/10/25 11:04	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/10/25 11:04	1
Tetrachloroethene	ND		1.00	0.330	ug/L			06/10/25 11:04	1
Toluene	ND		1.00	0.900	ug/L			06/10/25 11:04	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/10/25 11:04	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/10/25 11:04	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/10/25 11:04	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/10/25 11:04	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/10/25 11:04	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/10/25 11:04	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/10/25 11:04	1
Trichloroethene	ND		1.00	0.150	ug/L			06/10/25 11:04	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			06/10/25 11:04	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/10/25 11:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/10/25 11:04	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/10/25 11:04	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/10/25 11:04	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/10/25 11:04	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/10/25 11:04	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/10/25 11:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*56 - 136*		*06/10/25 11:04*	*1*
Dibromofluoromethane	*103*		*79 - 130*		*06/10/25 11:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*59 - 146*		*06/10/25 11:04*	*1*
Toluene-d8 (Surr)	*97*		*64 - 132*		*06/10/25 11:04*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.289	0.289	ug/L		06/06/25 07:00	06/14/25 15:11	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*26*		*10 - 140*	*06/06/25 07:00*	*06/14/25 15:11*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.68	0.406	ug/L		06/04/25 07:00	06/07/25 21:52	1
2,4,5-Trichlorophenol	ND		9.68	0.523	ug/L		06/04/25 07:00	06/07/25 21:52	1
2,4,6-Trichlorophenol	ND		9.68	1.05	ug/L		06/04/25 07:00	06/07/25 21:52	1
2,4-Dichlorophenol	ND		9.68	0.552	ug/L		06/04/25 07:00	06/07/25 21:52	1
2,4-Dimethylphenol	ND		9.68	0.232	ug/L		06/04/25 07:00	06/07/25 21:52	1
2,4-Dinitrophenol	ND		29.0	4.53	ug/L		06/04/25 07:00	06/07/25 21:52	1
2,4-Dinitrotoluene	ND		9.68	0.629	ug/L		06/04/25 07:00	06/07/25 21:52	1
2,6-Dinitrotoluene	ND		9.68	0.281	ug/L		06/04/25 07:00	06/07/25 21:52	1
2-Chloronaphthalene	ND		9.68	0.368	ug/L		06/04/25 07:00	06/07/25 21:52	1
2-Chlorophenol	ND		9.68	0.813	ug/L		06/04/25 07:00	06/07/25 21:52	1
2-Methylnaphthalene	ND		9.68	0.784	ug/L		06/04/25 07:00	06/07/25 21:52	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276828-1

Client Sample ID: SW-DUP
Date Collected: 05/30/25 11:25
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-5
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		9.68	0.735	ug/L		06/04/25 07:00	06/07/25 21:52	1
2-Nitroaniline	ND		9.68	1.33	ug/L		06/04/25 07:00	06/07/25 21:52	1
2-Nitrophenol	ND		9.68	1.13	ug/L		06/04/25 07:00	06/07/25 21:52	1
3 & 4 Methylphenol	ND		19.4	4.45	ug/L		06/04/25 07:00	06/07/25 21:52	1
3,3'-Dichlorobenzidine	ND		10.6	0.397	ug/L		06/04/25 07:00	06/07/25 21:52	1
3-Nitroaniline	ND		9.68	0.919	ug/L		06/04/25 07:00	06/07/25 21:52	1
4,6-Dinitro-2-methylphenol	ND		9.68	1.91	ug/L		06/04/25 07:00	06/07/25 21:52	1
4-Bromophenyl phenyl ether	ND		9.68	0.126	ug/L		06/04/25 07:00	06/07/25 21:52	1
4-Chloro-3-methylphenol	ND		9.68	0.706	ug/L		06/04/25 07:00	06/07/25 21:52	1
4-Chloroaniline	ND		9.68	0.271	ug/L		06/04/25 07:00	06/07/25 21:52	1
4-Chlorophenyl phenyl ether	ND		9.68	0.232	ug/L		06/04/25 07:00	06/07/25 21:52	1
4-Nitroaniline	ND		9.68	3.39	ug/L		06/04/25 07:00	06/07/25 21:52	1
4-Nitrophenol	ND		9.68	2.65	ug/L		06/04/25 07:00	06/07/25 21:52	1
Acenaphthene	ND		9.68	0.610	ug/L		06/04/25 07:00	06/07/25 21:52	1
Acenaphthylene	ND		9.68	0.735	ug/L		06/04/25 07:00	06/07/25 21:52	1
Acetophenone	ND		9.68	3.10	ug/L		06/04/25 07:00	06/07/25 21:52	1
Anthracene	ND		9.68	0.881	ug/L		06/04/25 07:00	06/07/25 21:52	1
Atrazine	ND		9.68	1.09	ug/L		06/04/25 07:00	06/07/25 21:52	1
Benzaldehyde	ND		9.68	0.648	ug/L		06/04/25 07:00	06/07/25 21:52	1
Benzo[a]anthracene	ND		9.68	0.968	ug/L		06/04/25 07:00	06/07/25 21:52	1
Benzo[a]pyrene	ND		9.68	1.06	ug/L		06/04/25 07:00	06/07/25 21:52	1
Benzo[b]fluoranthene	ND		9.68	1.16	ug/L		06/04/25 07:00	06/07/25 21:52	1
Benzo[g,h,i]perylene	ND		9.68	1.45	ug/L		06/04/25 07:00	06/07/25 21:52	1
Benzo[k]fluoranthene	ND		9.68	1.45	ug/L		06/04/25 07:00	06/07/25 21:52	1
bis (2-chloroisopropyl) ether	ND		9.68	0.900	ug/L		06/04/25 07:00	06/07/25 21:52	1
Bis(2-chloroethoxy)methane	ND		9.68	0.329	ug/L		06/04/25 07:00	06/07/25 21:52	1
Bis(2-chloroethyl)ether	ND		9.68	0.706	ug/L		06/04/25 07:00	06/07/25 21:52	1
Bis(2-ethylhexyl) phthalate	ND		9.68	3.87	ug/L		06/04/25 07:00	06/07/25 21:52	1
Butyl benzyl phthalate	ND		9.68	3.87	ug/L		06/04/25 07:00	06/07/25 21:52	1
Caprolactam	ND		9.68	2.32	ug/L		06/04/25 07:00	06/07/25 21:52	1
Carbazole	ND		9.68	0.310	ug/L		06/04/25 07:00	06/07/25 21:52	1
Chrysene	ND		9.68	1.16	ug/L		06/04/25 07:00	06/07/25 21:52	1
Dibenz(a,h)anthracene	ND		9.68	1.26	ug/L		06/04/25 07:00	06/07/25 21:52	1
Dibenzofuran	ND		9.68	0.619	ug/L		06/04/25 07:00	06/07/25 21:52	1
Diethyl phthalate	ND		9.68	3.87	ug/L		06/04/25 07:00	06/07/25 21:52	1
Dimethyl phthalate	ND		9.68	3.87	ug/L		06/04/25 07:00	06/07/25 21:52	1
Di-n-butyl phthalate	ND		9.68	3.87	ug/L		06/04/25 07:00	06/07/25 21:52	1
Di-n-octyl phthalate	ND		9.68	3.87	ug/L		06/04/25 07:00	06/07/25 21:52	1
Fluoranthene	ND		9.68	0.610	ug/L		06/04/25 07:00	06/07/25 21:52	1
Fluorene	ND		9.68	0.648	ug/L		06/04/25 07:00	06/07/25 21:52	1
Hexachlorobenzene	ND		9.68	0.242	ug/L		06/04/25 07:00	06/07/25 21:52	1
Hexachlorobutadiene	ND		9.68	0.532	ug/L		06/04/25 07:00	06/07/25 21:52	1
Hexachlorocyclopentadiene	ND		19.4	0.310	ug/L		06/04/25 07:00	06/07/25 21:52	1
Hexachloroethane	ND		9.68	0.513	ug/L		06/04/25 07:00	06/07/25 21:52	1
Indeno[1,2,3-cd]pyrene	ND		9.68	1.06	ug/L		06/04/25 07:00	06/07/25 21:52	1
Isophorone	ND		9.68	0.774	ug/L		06/04/25 07:00	06/07/25 21:52	1
Naphthalene	ND		9.68	0.726	ug/L		06/04/25 07:00	06/07/25 21:52	1
Nitrobenzene	ND		9.68	0.581	ug/L		06/04/25 07:00	06/07/25 21:52	1
N-Nitrosodi-n-propylamine	ND		9.68	0.319	ug/L		06/04/25 07:00	06/07/25 21:52	1

Client Sample ID: SW-DUP

Date Collected: 05/30/25 11:25
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-5

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		9.68	0.184	ug/L		06/04/25 07:00	06/07/25 21:52	1
Pentachlorophenol	ND		9.68	2.71	ug/L		06/04/25 07:00	06/07/25 21:52	1
Phenanthrene	ND		9.68	0.716	ug/L		06/04/25 07:00	06/07/25 21:52	1
Phenol	ND		9.68	0.658	ug/L		06/04/25 07:00	06/07/25 21:52	1
Pyrene	ND		9.68	0.610	ug/L		06/04/25 07:00	06/07/25 21:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*80*		*10 - 150*	*06/04/25 07:00*	*06/07/25 21:52*	*1*
2-Fluorobiphenyl (Surr)	*83*		*25 - 139*	*06/04/25 07:00*	*06/07/25 21:52*	*1*
2-Fluorophenol (Surr)	*85*		*10 - 150*	*06/04/25 07:00*	*06/07/25 21:52*	*1*
Nitrobenzene-d5 (Surr)	*93*		*22 - 150*	*06/04/25 07:00*	*06/07/25 21:52*	*1*
Phenol-d5 (Surr)	*91*		*10 - 150*	*06/04/25 07:00*	*06/07/25 21:52*	*1*
Terphenyl-d14 (Surr)	*67*		*28 - 150*	*06/04/25 07:00*	*06/07/25 21:52*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.269**		0.100	0.0630	mg/L			06/01/25 08:57	1
Sulfate	**14.7**		1.00	0.390	mg/L			06/01/25 08:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.430**	**J**	5.00	0.340	ug/L		06/04/25 05:08	06/04/25 12:49	1
Arsenic	ND		3.00	0.860	ug/L		06/04/25 05:08	06/04/25 12:49	1
Barium	**53.4**		5.00	0.890	ug/L		06/04/25 05:08	06/04/25 12:49	1
Beryllium	ND		0.500	0.200	ug/L		06/04/25 05:08	06/04/25 12:49	1
Cadmium	ND		0.500	0.0780	ug/L		06/04/25 05:08	06/04/25 12:49	1
Chromium	**2.11**	**J**	5.00	1.20	ug/L		06/04/25 05:08	06/04/25 12:49	1
Cobalt	**0.230**	**J**	0.500	0.220	ug/L		06/04/25 05:08	06/04/25 12:49	1
Copper	**7.26**		5.00	1.08	ug/L		06/04/25 05:08	06/04/25 12:49	1
Lead	**1.48**	**J**	2.50	0.210	ug/L		06/04/25 05:08	06/04/25 12:49	1
Manganese	**39.0**		5.00	2.20	ug/L		06/04/25 05:08	06/04/25 12:49	1
Nickel	**2.71**	**J**	5.00	0.420	ug/L		06/04/25 05:08	06/04/25 12:49	1
Selenium	ND		2.50	0.990	ug/L		06/04/25 05:08	06/04/25 12:49	1
Silver	ND		1.00	0.390	ug/L		06/04/25 05:08	06/04/25 12:49	1
Thallium	ND		1.00	0.260	ug/L		06/04/25 05:08	06/04/25 12:49	1
Vanadium	**0.905**	**J**	10.0	0.630	ug/L		06/04/25 05:08	06/04/25 12:49	1
Zinc	**9.06**	**J**	20.0	2.80	ug/L		06/04/25 05:08	06/04/25 12:49	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0800	ug/L		06/04/25 12:47	06/05/25 09:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		0.0500	0.0460	mg/L			06/10/25 14:22	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276828-1

Client Sample ID: SW-5
Date Collected: 05/30/25 12:15
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0	10.0	ug/L			06/10/25 11:29	1
Benzene	ND		1.00	0.500	ug/L			06/10/25 11:29	1
Bromobenzene	ND		1.00	0.540	ug/L			06/10/25 11:29	1
Bromoform	ND		5.00	0.250	ug/L			06/10/25 11:29	1
Bromomethane	ND		1.00	0.980	ug/L			06/10/25 11:29	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/10/25 11:29	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/10/25 11:29	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/10/25 11:29	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/10/25 11:29	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/10/25 11:29	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/10/25 11:29	1
Chloroethane	ND		1.00	0.760	ug/L			06/10/25 11:29	1
Chloroform	ND		1.00	0.900	ug/L			06/10/25 11:29	1
Chloromethane	ND		1.00	0.400	ug/L			06/10/25 11:29	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/10/25 11:29	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/10/25 11:29	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/10/25 11:29	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/10/25 11:29	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/10/25 11:29	1
Dibromomethane	ND		5.00	0.220	ug/L			06/10/25 11:29	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/10/25 11:29	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/10/25 11:29	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/10/25 11:29	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/10/25 11:29	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/10/25 11:29	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/10/25 11:29	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/10/25 11:29	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/10/25 11:29	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/10/25 11:29	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/10/25 11:29	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/10/25 11:29	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/10/25 11:29	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/10/25 11:29	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/10/25 11:29	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			06/10/25 11:29	1
Hexane	ND		1.00	0.960	ug/L			06/10/25 11:29	1
2-Hexanone	ND		25.0	4.26	ug/L			06/10/25 11:29	1
Iodomethane	ND		1.00	0.900	ug/L			06/10/25 11:29	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/10/25 11:29	1
Isopropyl ether	ND		1.00	0.740	ug/L			06/10/25 11:29	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/10/25 11:29	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/10/25 11:29	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/10/25 11:29	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/10/25 11:29	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/10/25 11:29	1
Naphthalene	ND		5.00	3.00	ug/L			06/10/25 11:29	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/10/25 11:29	1
n-Heptane	ND		1.00	0.210	ug/L			06/10/25 11:29	1
N-Propylbenzene	ND		1.00	0.690	ug/L			06/10/25 11:29	1

Client Sample ID: SW-5
Date Collected: 05/30/25 12:15
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		5.00	3.00	ug/L			06/10/25 11:29	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/10/25 11:29	1
Styrene	ND		1.00	1.00	ug/L			06/10/25 11:29	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/10/25 11:29	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/10/25 11:29	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/10/25 11:29	1
Tetrachloroethene	ND		1.00	0.330	ug/L			06/10/25 11:29	1
Toluene	ND		1.00	0.900	ug/L			06/10/25 11:29	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/10/25 11:29	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/10/25 11:29	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/10/25 11:29	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/10/25 11:29	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/10/25 11:29	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/10/25 11:29	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/10/25 11:29	1
Trichloroethene	ND		1.00	0.150	ug/L			06/10/25 11:29	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			06/10/25 11:29	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/10/25 11:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/10/25 11:29	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/10/25 11:29	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/10/25 11:29	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/10/25 11:29	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/10/25 11:29	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/10/25 11:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*56 - 136*		*06/10/25 11:29*	*1*
Dibromofluoromethane	*101*		*79 - 130*		*06/10/25 11:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*59 - 146*		*06/10/25 11:29*	*1*
Toluene-d8 (Surr)	*96*		*64 - 132*		*06/10/25 11:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.293	0.293	ug/L		06/06/25 07:00	06/14/25 15:37	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*28*		*10 - 140*	*06/06/25 07:00*	*06/14/25 15:37*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.71	0.408	ug/L		06/04/25 07:00	06/07/25 22:23	1
2,4,5-Trichlorophenol	ND		9.71	0.524	ug/L		06/04/25 07:00	06/07/25 22:23	1
2,4,6-Trichlorophenol	ND		9.71	1.06	ug/L		06/04/25 07:00	06/07/25 22:23	1
2,4-Dichlorophenol	ND		9.71	0.553	ug/L		06/04/25 07:00	06/07/25 22:23	1
2,4-Dimethylphenol	ND		9.71	0.233	ug/L		06/04/25 07:00	06/07/25 22:23	1
2,4-Dinitrophenol	ND		29.1	4.54	ug/L		06/04/25 07:00	06/07/25 22:23	1
2,4-Dinitrotoluene	ND		9.71	0.631	ug/L		06/04/25 07:00	06/07/25 22:23	1
2,6-Dinitrotoluene	ND		9.71	0.282	ug/L		06/04/25 07:00	06/07/25 22:23	1
2-Chloronaphthalene	ND		9.71	0.369	ug/L		06/04/25 07:00	06/07/25 22:23	1
2-Chlorophenol	ND		9.71	0.816	ug/L		06/04/25 07:00	06/07/25 22:23	1
2-Methylnaphthalene	ND		9.71	0.786	ug/L		06/04/25 07:00	06/07/25 22:23	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276828-1

Client Sample ID: SW-5
Date Collected: 05/30/25 12:15
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		9.71	0.738	ug/L		06/04/25 07:00	06/07/25 22:23	1
2-Nitroaniline	ND		9.71	1.33	ug/L		06/04/25 07:00	06/07/25 22:23	1
2-Nitrophenol	ND		9.71	1.14	ug/L		06/04/25 07:00	06/07/25 22:23	1
3 & 4 Methylphenol	ND		19.4	4.47	ug/L		06/04/25 07:00	06/07/25 22:23	1
3,3'-Dichlorobenzidine	ND		10.7	0.398	ug/L		06/04/25 07:00	06/07/25 22:23	1
3-Nitroaniline	ND		9.71	0.922	ug/L		06/04/25 07:00	06/07/25 22:23	1
4,6-Dinitro-2-methylphenol	ND		9.71	1.91	ug/L		06/04/25 07:00	06/07/25 22:23	1
4-Bromophenyl phenyl ether	ND		9.71	0.126	ug/L		06/04/25 07:00	06/07/25 22:23	1
4-Chloro-3-methylphenol	ND		9.71	0.709	ug/L		06/04/25 07:00	06/07/25 22:23	1
4-Chloroaniline	ND		9.71	0.272	ug/L		06/04/25 07:00	06/07/25 22:23	1
4-Chlorophenyl phenyl ether	ND		9.71	0.233	ug/L		06/04/25 07:00	06/07/25 22:23	1
4-Nitroaniline	ND		9.71	3.40	ug/L		06/04/25 07:00	06/07/25 22:23	1
4-Nitrophenol	ND		9.71	2.66	ug/L		06/04/25 07:00	06/07/25 22:23	1
Acenaphthene	ND		9.71	0.612	ug/L		06/04/25 07:00	06/07/25 22:23	1
Acenaphthylene	ND		9.71	0.738	ug/L		06/04/25 07:00	06/07/25 22:23	1
Acetophenone	ND		9.71	3.11	ug/L		06/04/25 07:00	06/07/25 22:23	1
Anthracene	ND		9.71	0.883	ug/L		06/04/25 07:00	06/07/25 22:23	1
Atrazine	ND		9.71	1.10	ug/L		06/04/25 07:00	06/07/25 22:23	1
Benzaldehyde	ND		9.71	0.650	ug/L		06/04/25 07:00	06/07/25 22:23	1
Benzo[a]anthracene	ND		9.71	0.971	ug/L		06/04/25 07:00	06/07/25 22:23	1
Benzo[a]pyrene	ND		9.71	1.07	ug/L		06/04/25 07:00	06/07/25 22:23	1
Benzo[b]fluoranthene	ND		9.71	1.17	ug/L		06/04/25 07:00	06/07/25 22:23	1
Benzo[g,h,i]perylene	ND		9.71	1.46	ug/L		06/04/25 07:00	06/07/25 22:23	1
Benzo[k]fluoranthene	ND		9.71	1.46	ug/L		06/04/25 07:00	06/07/25 22:23	1
bis (2-chloroisopropyl) ether	ND		9.71	0.903	ug/L		06/04/25 07:00	06/07/25 22:23	1
Bis(2-chloroethoxy)methane	ND		9.71	0.330	ug/L		06/04/25 07:00	06/07/25 22:23	1
Bis(2-chloroethyl)ether	ND		9.71	0.709	ug/L		06/04/25 07:00	06/07/25 22:23	1
Bis(2-ethylhexyl) phthalate	ND		9.71	3.88	ug/L		06/04/25 07:00	06/07/25 22:23	1
Butyl benzyl phthalate	ND		9.71	3.88	ug/L		06/04/25 07:00	06/07/25 22:23	1
Caprolactam	ND		9.71	2.33	ug/L		06/04/25 07:00	06/07/25 22:23	1
Carbazole	ND		9.71	0.311	ug/L		06/04/25 07:00	06/07/25 22:23	1
Chrysene	ND		9.71	1.17	ug/L		06/04/25 07:00	06/07/25 22:23	1
Dibenz(a,h)anthracene	ND		9.71	1.26	ug/L		06/04/25 07:00	06/07/25 22:23	1
Dibenzofuran	ND		9.71	0.621	ug/L		06/04/25 07:00	06/07/25 22:23	1
Diethyl phthalate	ND		9.71	3.88	ug/L		06/04/25 07:00	06/07/25 22:23	1
Dimethyl phthalate	ND		9.71	3.88	ug/L		06/04/25 07:00	06/07/25 22:23	1
Di-n-butyl phthalate	ND		9.71	3.88	ug/L		06/04/25 07:00	06/07/25 22:23	1
Di-n-octyl phthalate	ND		9.71	3.88	ug/L		06/04/25 07:00	06/07/25 22:23	1
Fluoranthene	ND		9.71	0.612	ug/L		06/04/25 07:00	06/07/25 22:23	1
Fluorene	ND		9.71	0.650	ug/L		06/04/25 07:00	06/07/25 22:23	1
Hexachlorobenzene	ND		9.71	0.243	ug/L		06/04/25 07:00	06/07/25 22:23	1
Hexachlorobutadiene	ND		9.71	0.534	ug/L		06/04/25 07:00	06/07/25 22:23	1
Hexachlorocyclopentadiene	ND		19.4	0.311	ug/L		06/04/25 07:00	06/07/25 22:23	1
Hexachloroethane	ND		9.71	0.515	ug/L		06/04/25 07:00	06/07/25 22:23	1
Indeno[1,2,3-cd]pyrene	ND		9.71	1.07	ug/L		06/04/25 07:00	06/07/25 22:23	1
Isophorone	ND		9.71	0.777	ug/L		06/04/25 07:00	06/07/25 22:23	1
Naphthalene	ND		9.71	0.728	ug/L		06/04/25 07:00	06/07/25 22:23	1
Nitrobenzene	ND		9.71	0.583	ug/L		06/04/25 07:00	06/07/25 22:23	1
N-Nitrosodi-n-propylamine	ND		9.71	0.320	ug/L		06/04/25 07:00	06/07/25 22:23	1

Client Sample ID: SW-5

Date Collected: 05/30/25 12:15
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-6

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		9.71	0.184	ug/L		06/04/25 07:00	06/07/25 22:23	1
Pentachlorophenol	ND		9.71	2.72	ug/L		06/04/25 07:00	06/07/25 22:23	1
Phenanthrene	ND		9.71	0.718	ug/L		06/04/25 07:00	06/07/25 22:23	1
Phenol	ND		9.71	0.660	ug/L		06/04/25 07:00	06/07/25 22:23	1
Pyrene	ND		9.71	0.612	ug/L		06/04/25 07:00	06/07/25 22:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*75*		*10 - 150*	*06/04/25 07:00*	*06/07/25 22:23*	*1*
2-Fluorobiphenyl (Surr)	*78*		*25 - 139*	*06/04/25 07:00*	*06/07/25 22:23*	*1*
2-Fluorophenol (Surr)	*82*		*10 - 150*	*06/04/25 07:00*	*06/07/25 22:23*	*1*
Nitrobenzene-d5 (Surr)	*87*		*22 - 150*	*06/04/25 07:00*	*06/07/25 22:23*	*1*
Phenol-d5 (Surr)	*87*		*10 - 150*	*06/04/25 07:00*	*06/07/25 22:23*	*1*
Terphenyl-d14 (Surr)	*54*		*28 - 150*	*06/04/25 07:00*	*06/07/25 22:23*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.358**		0.100	0.0630	mg/L			06/01/25 09:06	1
Sulfate	**15.6**		1.00	0.390	mg/L			06/01/25 09:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.495**	**J**	5.00	0.340	ug/L		06/04/25 05:08	06/04/25 13:10	1
Arsenic	ND		3.00	0.860	ug/L		06/04/25 05:08	06/04/25 13:10	1
Barium	**50.6**		5.00	0.890	ug/L		06/04/25 05:08	06/04/25 13:10	1
Beryllium	ND		0.500	0.200	ug/L		06/04/25 05:08	06/04/25 13:10	1
Cadmium	ND		0.500	0.0780	ug/L		06/04/25 05:08	06/04/25 13:10	1
Chromium	ND		5.00	1.20	ug/L		06/04/25 05:08	06/04/25 13:10	1
Cobalt	ND		0.500	0.220	ug/L		06/04/25 05:08	06/04/25 13:10	1
Copper	**6.87**		5.00	1.08	ug/L		06/04/25 05:08	06/04/25 13:10	1
Lead	**2.89**		2.50	0.210	ug/L		06/04/25 05:08	06/04/25 13:10	1
Manganese	**31.3**		5.00	2.20	ug/L		06/04/25 05:08	06/04/25 13:10	1
Nickel	**2.01**	**J**	5.00	0.420	ug/L		06/04/25 05:08	06/04/25 13:10	1
Selenium	ND		2.50	0.990	ug/L		06/04/25 05:08	06/04/25 13:10	1
Silver	ND		1.00	0.390	ug/L		06/04/25 05:08	06/04/25 13:10	1
Thallium	ND		1.00	0.260	ug/L		06/04/25 05:08	06/04/25 13:10	1
Vanadium	**0.865**	**J**	10.0	0.630	ug/L		06/04/25 05:08	06/04/25 13:10	1
Zinc	**8.98**	**J**	20.0	2.80	ug/L		06/04/25 05:08	06/04/25 13:10	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0800	ug/L		06/04/25 12:47	06/05/25 09:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		0.0500	0.0460	mg/L			06/10/25 14:25	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276828-1

Client Sample ID: SW-4
Date Collected: 05/30/25 13:35
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-7
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0	10.0	ug/L			06/10/25 11:55	1
Benzene	ND		1.00	0.500	ug/L			06/10/25 11:55	1
Bromobenzene	ND		1.00	0.540	ug/L			06/10/25 11:55	1
Bromoform	ND		5.00	0.250	ug/L			06/10/25 11:55	1
Bromomethane	ND		1.00	0.980	ug/L			06/10/25 11:55	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/10/25 11:55	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/10/25 11:55	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/10/25 11:55	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/10/25 11:55	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/10/25 11:55	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/10/25 11:55	1
Chloroethane	ND		1.00	0.760	ug/L			06/10/25 11:55	1
Chloroform	ND		1.00	0.900	ug/L			06/10/25 11:55	1
Chloromethane	ND		1.00	0.400	ug/L			06/10/25 11:55	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/10/25 11:55	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/10/25 11:55	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/10/25 11:55	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/10/25 11:55	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/10/25 11:55	1
Dibromomethane	ND		5.00	0.220	ug/L			06/10/25 11:55	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/10/25 11:55	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/10/25 11:55	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/10/25 11:55	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/10/25 11:55	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/10/25 11:55	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/10/25 11:55	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/10/25 11:55	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/10/25 11:55	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/10/25 11:55	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/10/25 11:55	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/10/25 11:55	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/10/25 11:55	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/10/25 11:55	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/10/25 11:55	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			06/10/25 11:55	1
Hexane	ND		1.00	0.960	ug/L			06/10/25 11:55	1
2-Hexanone	ND		25.0	4.26	ug/L			06/10/25 11:55	1
Iodomethane	ND		1.00	0.900	ug/L			06/10/25 11:55	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/10/25 11:55	1
Isopropyl ether	ND		1.00	0.740	ug/L			06/10/25 11:55	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/10/25 11:55	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/10/25 11:55	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/10/25 11:55	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/10/25 11:55	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/10/25 11:55	1
Naphthalene	ND		5.00	3.00	ug/L			06/10/25 11:55	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/10/25 11:55	1
n-Heptane	ND		1.00	0.210	ug/L			06/10/25 11:55	1
N-Propylbenzene	ND		1.00	0.690	ug/L			06/10/25 11:55	1

Client Sample ID: SW-4
Date Collected: 05/30/25 13:35
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-7
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		5.00	3.00	ug/L			06/10/25 11:55	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/10/25 11:55	1
Styrene	ND		1.00	1.00	ug/L			06/10/25 11:55	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/10/25 11:55	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/10/25 11:55	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/10/25 11:55	1
Tetrachloroethene	ND		1.00	0.330	ug/L			06/10/25 11:55	1
Toluene	ND		1.00	0.900	ug/L			06/10/25 11:55	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/10/25 11:55	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/10/25 11:55	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/10/25 11:55	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/10/25 11:55	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/10/25 11:55	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/10/25 11:55	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/10/25 11:55	1
Trichloroethene	ND		1.00	0.150	ug/L			06/10/25 11:55	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			06/10/25 11:55	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/10/25 11:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/10/25 11:55	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/10/25 11:55	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/10/25 11:55	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/10/25 11:55	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/10/25 11:55	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/10/25 11:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*56 - 136*		*06/10/25 11:55*	*1*
Dibromofluoromethane	*103*		*79 - 130*		*06/10/25 11:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*59 - 146*		*06/10/25 11:55*	*1*
Toluene-d8 (Surr)	*95*		*64 - 132*		*06/10/25 11:55*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.282	0.282	ug/L		06/06/25 07:00	06/14/25 16:02	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*26*		*10 - 140*	*06/06/25 07:00*	*06/14/25 16:02*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.80	0.412	ug/L		06/04/25 07:00	06/07/25 22:54	1
2,4,5-Trichlorophenol	ND		9.80	0.529	ug/L		06/04/25 07:00	06/07/25 22:54	1
2,4,6-Trichlorophenol	ND		9.80	1.07	ug/L		06/04/25 07:00	06/07/25 22:54	1
2,4-Dichlorophenol	ND		9.80	0.559	ug/L		06/04/25 07:00	06/07/25 22:54	1
2,4-Dimethylphenol	ND		9.80	0.235	ug/L		06/04/25 07:00	06/07/25 22:54	1
2,4-Dinitrophenol	ND		29.4	4.59	ug/L		06/04/25 07:00	06/07/25 22:54	1
2,4-Dinitrotoluene	ND		9.80	0.637	ug/L		06/04/25 07:00	06/07/25 22:54	1
2,6-Dinitrotoluene	ND		9.80	0.284	ug/L		06/04/25 07:00	06/07/25 22:54	1
2-Chloronaphthalene	ND		9.80	0.373	ug/L		06/04/25 07:00	06/07/25 22:54	1
2-Chlorophenol	ND		9.80	0.824	ug/L		06/04/25 07:00	06/07/25 22:54	1
2-Methylnaphthalene	ND		9.80	0.794	ug/L		06/04/25 07:00	06/07/25 22:54	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276828-1

Client Sample ID: SW-4
Date Collected: 05/30/25 13:35
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-7
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		9.80	0.745	ug/L		06/04/25 07:00	06/07/25 22:54	1
2-Nitroaniline	ND		9.80	1.34	ug/L		06/04/25 07:00	06/07/25 22:54	1
2-Nitrophenol	ND		9.80	1.15	ug/L		06/04/25 07:00	06/07/25 22:54	1
3 & 4 Methylphenol	ND		19.6	4.51	ug/L		06/04/25 07:00	06/07/25 22:54	1
3,3'-Dichlorobenzidine	ND		10.8	0.402	ug/L		06/04/25 07:00	06/07/25 22:54	1
3-Nitroaniline	ND		9.80	0.931	ug/L		06/04/25 07:00	06/07/25 22:54	1
4,6-Dinitro-2-methylphenol	ND		9.80	1.93	ug/L		06/04/25 07:00	06/07/25 22:54	1
4-Bromophenyl phenyl ether	ND		9.80	0.127	ug/L		06/04/25 07:00	06/07/25 22:54	1
4-Chloro-3-methylphenol	ND		9.80	0.716	ug/L		06/04/25 07:00	06/07/25 22:54	1
4-Chloroaniline	ND		9.80	0.275	ug/L		06/04/25 07:00	06/07/25 22:54	1
4-Chlorophenyl phenyl ether	ND		9.80	0.235	ug/L		06/04/25 07:00	06/07/25 22:54	1
4-Nitroaniline	ND		9.80	3.43	ug/L		06/04/25 07:00	06/07/25 22:54	1
4-Nitrophenol	ND		9.80	2.69	ug/L		06/04/25 07:00	06/07/25 22:54	1
Acenaphthene	ND		9.80	0.618	ug/L		06/04/25 07:00	06/07/25 22:54	1
Acenaphthylene	ND		9.80	0.745	ug/L		06/04/25 07:00	06/07/25 22:54	1
Acetophenone	ND		9.80	3.14	ug/L		06/04/25 07:00	06/07/25 22:54	1
Anthracene	ND		9.80	0.892	ug/L		06/04/25 07:00	06/07/25 22:54	1
Atrazine	ND		9.80	1.11	ug/L		06/04/25 07:00	06/07/25 22:54	1
Benzaldehyde	ND		9.80	0.657	ug/L		06/04/25 07:00	06/07/25 22:54	1
Benzo[a]anthracene	ND		9.80	0.980	ug/L		06/04/25 07:00	06/07/25 22:54	1
Benzo[a]pyrene	ND		9.80	1.08	ug/L		06/04/25 07:00	06/07/25 22:54	1
Benzo[b]fluoranthene	ND		9.80	1.18	ug/L		06/04/25 07:00	06/07/25 22:54	1
Benzo[g,h,i]perylene	ND		9.80	1.47	ug/L		06/04/25 07:00	06/07/25 22:54	1
Benzo[k]fluoranthene	ND		9.80	1.47	ug/L		06/04/25 07:00	06/07/25 22:54	1
bis (2-chloroisopropyl) ether	ND		9.80	0.912	ug/L		06/04/25 07:00	06/07/25 22:54	1
Bis(2-chloroethoxy)methane	ND		9.80	0.333	ug/L		06/04/25 07:00	06/07/25 22:54	1
Bis(2-chloroethyl)ether	ND		9.80	0.716	ug/L		06/04/25 07:00	06/07/25 22:54	1
Bis(2-ethylhexyl) phthalate	ND		9.80	3.92	ug/L		06/04/25 07:00	06/07/25 22:54	1
Butyl benzyl phthalate	ND		9.80	3.92	ug/L		06/04/25 07:00	06/07/25 22:54	1
Caprolactam	ND		9.80	2.35	ug/L		06/04/25 07:00	06/07/25 22:54	1
Carbazole	ND		9.80	0.314	ug/L		06/04/25 07:00	06/07/25 22:54	1
Chrysene	ND		9.80	1.18	ug/L		06/04/25 07:00	06/07/25 22:54	1
Dibenz(a,h)anthracene	ND		9.80	1.27	ug/L		06/04/25 07:00	06/07/25 22:54	1
Dibenzofuran	ND		9.80	0.627	ug/L		06/04/25 07:00	06/07/25 22:54	1
Diethyl phthalate	ND		9.80	3.92	ug/L		06/04/25 07:00	06/07/25 22:54	1
Dimethyl phthalate	ND		9.80	3.92	ug/L		06/04/25 07:00	06/07/25 22:54	1
Di-n-butyl phthalate	ND		9.80	3.92	ug/L		06/04/25 07:00	06/07/25 22:54	1
Di-n-octyl phthalate	ND		9.80	3.92	ug/L		06/04/25 07:00	06/07/25 22:54	1
Fluoranthene	ND		9.80	0.618	ug/L		06/04/25 07:00	06/07/25 22:54	1
Fluorene	ND		9.80	0.657	ug/L		06/04/25 07:00	06/07/25 22:54	1
Hexachlorobenzene	ND		9.80	0.245	ug/L		06/04/25 07:00	06/07/25 22:54	1
Hexachlorobutadiene	ND		9.80	0.539	ug/L		06/04/25 07:00	06/07/25 22:54	1
Hexachlorocyclopentadiene	ND		19.6	0.314	ug/L		06/04/25 07:00	06/07/25 22:54	1
Hexachloroethane	ND		9.80	0.520	ug/L		06/04/25 07:00	06/07/25 22:54	1
Indeno[1,2,3-cd]pyrene	ND		9.80	1.08	ug/L		06/04/25 07:00	06/07/25 22:54	1
Isophorone	ND		9.80	0.784	ug/L		06/04/25 07:00	06/07/25 22:54	1
Naphthalene	ND		9.80	0.735	ug/L		06/04/25 07:00	06/07/25 22:54	1
Nitrobenzene	ND		9.80	0.588	ug/L		06/04/25 07:00	06/07/25 22:54	1
N-Nitrosodi-n-propylamine	ND		9.80	0.324	ug/L		06/04/25 07:00	06/07/25 22:54	1

Client Sample ID: SW-4

Date Collected: 05/30/25 13:35
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-7

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		9.80	0.186	ug/L		06/04/25 07:00	06/07/25 22:54	1
Pentachlorophenol	ND		9.80	2.75	ug/L		06/04/25 07:00	06/07/25 22:54	1
Phenanthrene	ND		9.80	0.725	ug/L		06/04/25 07:00	06/07/25 22:54	1
Phenol	ND		9.80	0.667	ug/L		06/04/25 07:00	06/07/25 22:54	1
Pyrene	ND		9.80	0.618	ug/L		06/04/25 07:00	06/07/25 22:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*72*		*10 - 150*	*06/04/25 07:00*	*06/07/25 22:54*	*1*
2-Fluorobiphenyl (Surr)	*80*		*25 - 139*	*06/04/25 07:00*	*06/07/25 22:54*	*1*
2-Fluorophenol (Surr)	*81*		*10 - 150*	*06/04/25 07:00*	*06/07/25 22:54*	*1*
Nitrobenzene-d5 (Surr)	*88*		*22 - 150*	*06/04/25 07:00*	*06/07/25 22:54*	*1*
Phenol-d5 (Surr)	*86*		*10 - 150*	*06/04/25 07:00*	*06/07/25 22:54*	*1*
Terphenyl-d14 (Surr)	*51*		*28 - 150*	*06/04/25 07:00*	*06/07/25 22:54*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.360**		0.100	0.0630	mg/L			06/01/25 09:14	1
Sulfate	**16.7**		1.00	0.390	mg/L			06/01/25 09:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.545**	**J**	5.00	0.340	ug/L		06/04/25 05:08	06/04/25 13:05	1
Arsenic	ND		3.00	0.860	ug/L		06/04/25 05:08	06/04/25 13:05	1
Barium	**55.0**		5.00	0.890	ug/L		06/04/25 05:08	06/04/25 13:05	1
Beryllium	ND		0.500	0.200	ug/L		06/04/25 05:08	06/04/25 13:05	1
Cadmium	ND		0.500	0.0780	ug/L		06/04/25 05:08	06/04/25 13:05	1
Chromium	ND		5.00	1.20	ug/L		06/04/25 05:08	06/04/25 13:05	1
Cobalt	ND		0.500	0.220	ug/L		06/04/25 05:08	06/04/25 13:05	1
Copper	**7.81**		5.00	1.08	ug/L		06/04/25 05:08	06/04/25 13:05	1
Lead	**1.21**	**J**	2.50	0.210	ug/L		06/04/25 05:08	06/04/25 13:05	1
Manganese	**29.0**		5.00	2.20	ug/L		06/04/25 05:08	06/04/25 13:05	1
Nickel	**1.81**	**J**	5.00	0.420	ug/L		06/04/25 05:08	06/04/25 13:05	1
Selenium	ND		2.50	0.990	ug/L		06/04/25 05:08	06/04/25 13:05	1
Silver	ND		1.00	0.390	ug/L		06/04/25 05:08	06/04/25 13:05	1
Thallium	ND		1.00	0.260	ug/L		06/04/25 05:08	06/04/25 13:05	1
Vanadium	**1.08**	**J**	10.0	0.630	ug/L		06/04/25 05:08	06/04/25 13:05	1
Zinc	**8.72**	**J**	20.0	2.80	ug/L		06/04/25 05:08	06/04/25 13:05	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0800	ug/L		06/04/25 12:47	06/05/25 09:26	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			06/10/25 14:28	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276828-1

Client Sample ID: SW-3
Date Collected: 05/30/25 14:00
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-8
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	F1	25.0	10.0	ug/L			06/11/25 10:48	1
Benzene	ND		1.00	0.500	ug/L			06/11/25 10:48	1
Bromobenzene	ND	F2	1.00	0.540	ug/L			06/11/25 10:48	1
Bromoform	ND		5.00	0.250	ug/L			06/11/25 10:48	1
Bromomethane	ND		1.00	0.980	ug/L			06/11/25 10:48	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/11/25 10:48	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/11/25 10:48	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/11/25 10:48	1
Chlorobenzene	ND	F2	1.00	0.420	ug/L			06/11/25 10:48	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/11/25 10:48	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/11/25 10:48	1
Chloroethane	ND		1.00	0.760	ug/L			06/11/25 10:48	1
Chloroform	ND		1.00	0.900	ug/L			06/11/25 10:48	1
Chloromethane	ND		1.00	0.400	ug/L			06/11/25 10:48	1
2-Chlorotoluene	ND	F2	1.00	0.570	ug/L			06/11/25 10:48	1
4-Chlorotoluene	ND	F2	1.00	0.560	ug/L			06/11/25 10:48	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/11/25 10:48	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/11/25 10:48	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/11/25 10:48	1
Dibromomethane	ND		5.00	0.220	ug/L			06/11/25 10:48	1
1,2-Dichlorobenzene	ND	F2	1.00	0.500	ug/L			06/11/25 10:48	1
1,3-Dichlorobenzene	ND	F2	1.00	0.540	ug/L			06/11/25 10:48	1
1,4-Dichlorobenzene	ND	F2	1.00	0.640	ug/L			06/11/25 10:48	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/11/25 10:48	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/11/25 10:48	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/11/25 10:48	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/11/25 10:48	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/11/25 10:48	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/11/25 10:48	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/11/25 10:48	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/11/25 10:48	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/11/25 10:48	1
Ethylbenzene	ND	F2	1.00	0.500	ug/L			06/11/25 10:48	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/11/25 10:48	1
Hexachlorobutadiene	ND	F2	5.00	0.900	ug/L			06/11/25 10:48	1
Hexane	ND		1.00	0.960	ug/L			06/11/25 10:48	1
2-Hexanone	ND	F1	25.0	4.26	ug/L			06/11/25 10:48	1
Iodomethane	ND		1.00	0.900	ug/L			06/11/25 10:48	1
Isopropylbenzene	ND	F2	1.00	0.530	ug/L			06/11/25 10:48	1
Isopropyl ether	ND		1.00	0.740	ug/L			06/11/25 10:48	1
4-Isopropyltoluene	ND	F2	1.00	0.710	ug/L			06/11/25 10:48	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/11/25 10:48	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/11/25 10:48	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/11/25 10:48	1
m-Xylene & p-Xylene	ND	F2	5.00	3.00	ug/L			06/11/25 10:48	1
Naphthalene	ND		5.00	3.00	ug/L			06/11/25 10:48	1
n-Butylbenzene	ND	F2	1.00	0.760	ug/L			06/11/25 10:48	1
n-Heptane	ND		1.00	0.210	ug/L			06/11/25 10:48	1
N-Propylbenzene	ND	F2	1.00	0.690	ug/L			06/11/25 10:48	1

Client Sample ID: SW-3
Date Collected: 05/30/25 14:00
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-8
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	F2	5.00	3.00	ug/L			06/11/25 10:48	1
sec-Butylbenzene	ND	F2	1.00	0.700	ug/L			06/11/25 10:48	1
Styrene	ND	F2	1.00	1.00	ug/L			06/11/25 10:48	1
tert-Butylbenzene	ND	F2	1.00	0.630	ug/L			06/11/25 10:48	1
1,1,1,2-Tetrachloroethane	ND	F2	1.00	0.380	ug/L			06/11/25 10:48	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/11/25 10:48	1
Tetrachloroethene	ND	F2	1.00	0.330	ug/L			06/11/25 10:48	1
Toluene	ND	F2	1.00	0.900	ug/L			06/11/25 10:48	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/11/25 10:48	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/11/25 10:48	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/11/25 10:48	1
1,2,3-Trichlorobenzene	ND	F2	1.00	0.900	ug/L			06/11/25 10:48	1
1,2,4-Trichlorobenzene	ND	F2	1.00	0.820	ug/L			06/11/25 10:48	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/11/25 10:48	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/11/25 10:48	1
Trichloroethene	ND		1.00	0.150	ug/L			06/11/25 10:48	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			06/11/25 10:48	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/11/25 10:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/11/25 10:48	1
1,2,4-Trimethylbenzene	ND	F2	1.00	0.820	ug/L			06/11/25 10:48	1
1,3,5-Trimethylbenzene	ND	F2	1.00	0.560	ug/L			06/11/25 10:48	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/11/25 10:48	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/11/25 10:48	1
Xylenes, Total	ND	F2	10.0	6.00	ug/L			06/11/25 10:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*56 - 136*		*06/11/25 10:48*	*1*
Dibromofluoromethane	*102*		*79 - 130*		*06/11/25 10:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*59 - 146*		*06/11/25 10:48*	*1*
Toluene-d8 (Surr)	*96*		*64 - 132*		*06/11/25 10:48*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.301	0.301	ug/L		06/06/25 07:00	06/14/25 16:27	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*26*		*10 - 140*	*06/06/25 07:00*	*06/14/25 16:27*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.77	0.410	ug/L		06/04/25 07:00	06/07/25 23:25	1
2,4,5-Trichlorophenol	ND		9.77	0.528	ug/L		06/04/25 07:00	06/07/25 23:25	1
2,4,6-Trichlorophenol	ND		9.77	1.07	ug/L		06/04/25 07:00	06/07/25 23:25	1
2,4-Dichlorophenol	ND		9.77	0.557	ug/L		06/04/25 07:00	06/07/25 23:25	1
2,4-Dimethylphenol	ND		9.77	0.235	ug/L		06/04/25 07:00	06/07/25 23:25	1
2,4-Dinitrophenol	ND		29.3	4.57	ug/L		06/04/25 07:00	06/07/25 23:25	1
2,4-Dinitrotoluene	ND		9.77	0.635	ug/L		06/04/25 07:00	06/07/25 23:25	1
2,6-Dinitrotoluene	ND		9.77	0.283	ug/L		06/04/25 07:00	06/07/25 23:25	1
2-Chloronaphthalene	ND		9.77	0.371	ug/L		06/04/25 07:00	06/07/25 23:25	1
2-Chlorophenol	ND		9.77	0.821	ug/L		06/04/25 07:00	06/07/25 23:25	1
2-Methylnaphthalene	ND		9.77	0.792	ug/L		06/04/25 07:00	06/07/25 23:25	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276828-1

Client Sample ID: SW-3
Date Collected: 05/30/25 14:00
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		9.77	0.743	ug/L		06/04/25 07:00	06/07/25 23:25	1
2-Nitroaniline	ND		9.77	1.34	ug/L		06/04/25 07:00	06/07/25 23:25	1
2-Nitrophenol	ND		9.77	1.14	ug/L		06/04/25 07:00	06/07/25 23:25	1
3 & 4 Methylphenol	ND		19.5	4.50	ug/L		06/04/25 07:00	06/07/25 23:25	1
3,3'-Dichlorobenzidine	ND		10.7	0.401	ug/L		06/04/25 07:00	06/07/25 23:25	1
3-Nitroaniline	ND		9.77	0.928	ug/L		06/04/25 07:00	06/07/25 23:25	1
4,6-Dinitro-2-methylphenol	ND		9.77	1.93	ug/L		06/04/25 07:00	06/07/25 23:25	1
4-Bromophenyl phenyl ether	ND		9.77	0.127	ug/L		06/04/25 07:00	06/07/25 23:25	1
4-Chloro-3-methylphenol	ND		9.77	0.713	ug/L		06/04/25 07:00	06/07/25 23:25	1
4-Chloroaniline	ND		9.77	0.274	ug/L		06/04/25 07:00	06/07/25 23:25	1
4-Chlorophenyl phenyl ether	ND		9.77	0.235	ug/L		06/04/25 07:00	06/07/25 23:25	1
4-Nitroaniline	ND		9.77	3.42	ug/L		06/04/25 07:00	06/07/25 23:25	1
4-Nitrophenol	ND		9.77	2.68	ug/L		06/04/25 07:00	06/07/25 23:25	1
Acenaphthene	ND		9.77	0.616	ug/L		06/04/25 07:00	06/07/25 23:25	1
Acenaphthylene	ND		9.77	0.743	ug/L		06/04/25 07:00	06/07/25 23:25	1
Acetophenone	ND		9.77	3.13	ug/L		06/04/25 07:00	06/07/25 23:25	1
Anthracene	ND		9.77	0.889	ug/L		06/04/25 07:00	06/07/25 23:25	1
Atrazine	ND		9.77	1.10	ug/L		06/04/25 07:00	06/07/25 23:25	1
Benzaldehyde	ND		9.77	0.655	ug/L		06/04/25 07:00	06/07/25 23:25	1
Benzo[a]anthracene	ND		9.77	0.977	ug/L		06/04/25 07:00	06/07/25 23:25	1
Benzo[a]pyrene	ND		9.77	1.07	ug/L		06/04/25 07:00	06/07/25 23:25	1
Benzo[b]fluoranthene	ND		9.77	1.17	ug/L		06/04/25 07:00	06/07/25 23:25	1
Benzo[g,h,i]perylene	ND		9.77	1.47	ug/L		06/04/25 07:00	06/07/25 23:25	1
Benzo[k]fluoranthene	ND		9.77	1.47	ug/L		06/04/25 07:00	06/07/25 23:25	1
bis (2-chloroisopropyl) ether	ND		9.77	0.909	ug/L		06/04/25 07:00	06/07/25 23:25	1
Bis(2-chloroethoxy)methane	ND		9.77	0.332	ug/L		06/04/25 07:00	06/07/25 23:25	1
Bis(2-chloroethyl)ether	ND		9.77	0.713	ug/L		06/04/25 07:00	06/07/25 23:25	1
Bis(2-ethylhexyl) phthalate	ND		9.77	3.91	ug/L		06/04/25 07:00	06/07/25 23:25	1
Butyl benzyl phthalate	ND		9.77	3.91	ug/L		06/04/25 07:00	06/07/25 23:25	1
Caprolactam	ND		9.77	2.35	ug/L		06/04/25 07:00	06/07/25 23:25	1
Carbazole	ND		9.77	0.313	ug/L		06/04/25 07:00	06/07/25 23:25	1
Chrysene	ND		9.77	1.17	ug/L		06/04/25 07:00	06/07/25 23:25	1
Dibenz(a,h)anthracene	ND		9.77	1.27	ug/L		06/04/25 07:00	06/07/25 23:25	1
Dibenzofuran	ND		9.77	0.625	ug/L		06/04/25 07:00	06/07/25 23:25	1
Diethyl phthalate	ND		9.77	3.91	ug/L		06/04/25 07:00	06/07/25 23:25	1
Dimethyl phthalate	ND		9.77	3.91	ug/L		06/04/25 07:00	06/07/25 23:25	1
Di-n-butyl phthalate	ND		9.77	3.91	ug/L		06/04/25 07:00	06/07/25 23:25	1
Di-n-octyl phthalate	ND		9.77	3.91	ug/L		06/04/25 07:00	06/07/25 23:25	1
Fluoranthene	ND		9.77	0.616	ug/L		06/04/25 07:00	06/07/25 23:25	1
Fluorene	ND		9.77	0.655	ug/L		06/04/25 07:00	06/07/25 23:25	1
Hexachlorobenzene	ND		9.77	0.244	ug/L		06/04/25 07:00	06/07/25 23:25	1
Hexachlorobutadiene	ND		9.77	0.537	ug/L		06/04/25 07:00	06/07/25 23:25	1
Hexachlorocyclopentadiene	ND		19.5	0.313	ug/L		06/04/25 07:00	06/07/25 23:25	1
Hexachloroethane	ND		9.77	0.518	ug/L		06/04/25 07:00	06/07/25 23:25	1
Indeno[1,2,3-cd]pyrene	ND		9.77	1.07	ug/L		06/04/25 07:00	06/07/25 23:25	1
Isophorone	ND		9.77	0.782	ug/L		06/04/25 07:00	06/07/25 23:25	1
Naphthalene	ND		9.77	0.733	ug/L		06/04/25 07:00	06/07/25 23:25	1
Nitrobenzene	ND		9.77	0.586	ug/L		06/04/25 07:00	06/07/25 23:25	1
N-Nitrosodi-n-propylamine	ND		9.77	0.322	ug/L		06/04/25 07:00	06/07/25 23:25	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276828-1

Client Sample ID: SW-3

Date Collected: 05/30/25 14:00
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		9.77	0.186	ug/L		06/04/25 07:00	06/07/25 23:25	1
Pentachlorophenol	ND		9.77	2.74	ug/L		06/04/25 07:00	06/07/25 23:25	1
Phenanthrene	ND		9.77	0.723	ug/L		06/04/25 07:00	06/07/25 23:25	1
Phenol	ND		9.77	0.664	ug/L		06/04/25 07:00	06/07/25 23:25	1
Pyrene	ND		9.77	0.616	ug/L		06/04/25 07:00	06/07/25 23:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*72*		*10 - 150*	*06/04/25 07:00*	*06/07/25 23:25*	*1*
2-Fluorobiphenyl (Surr)	*81*		*25 - 139*	*06/04/25 07:00*	*06/07/25 23:25*	*1*
2-Fluorophenol (Surr)	*78*		*10 - 150*	*06/04/25 07:00*	*06/07/25 23:25*	*1*
Nitrobenzene-d5 (Surr)	*90*		*22 - 150*	*06/04/25 07:00*	*06/07/25 23:25*	*1*
Phenol-d5 (Surr)	*82*		*10 - 150*	*06/04/25 07:00*	*06/07/25 23:25*	*1*
Terphenyl-d14 (Surr)	*54*		*28 - 150*	*06/04/25 07:00*	*06/07/25 23:25*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.359**		0.100	0.0630	mg/L			06/01/25 09:23	1
Sulfate	**18.0**		1.00	0.390	mg/L			06/01/25 09:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.465**	**J**	5.00	0.340	ug/L		06/04/25 05:08	06/04/25 12:47	1
Arsenic	ND		3.00	0.860	ug/L		06/04/25 05:08	06/04/25 12:47	1
Barium	**55.5**		5.00	0.890	ug/L		06/04/25 05:08	06/04/25 12:47	1
Beryllium	ND		0.500	0.200	ug/L		06/04/25 05:08	06/04/25 12:47	1
Cadmium	ND		0.500	0.0780	ug/L		06/04/25 05:08	06/04/25 12:47	1
Chromium	ND		5.00	1.20	ug/L		06/04/25 05:08	06/04/25 12:47	1
Cobalt	ND		0.500	0.220	ug/L		06/04/25 05:08	06/04/25 12:47	1
Copper	**6.75**		5.00	1.08	ug/L		06/04/25 05:08	06/04/25 12:47	1
Lead	**1.22**	**J**	2.50	0.210	ug/L		06/04/25 05:08	06/04/25 12:47	1
Manganese	**16.8**		5.00	2.20	ug/L		06/04/25 05:08	06/04/25 12:47	1
Nickel	**1.65**	**J**	5.00	0.420	ug/L		06/04/25 05:08	06/04/25 12:47	1
Selenium	ND		2.50	0.990	ug/L		06/04/25 05:08	06/04/25 12:47	1
Silver	ND		1.00	0.390	ug/L		06/04/25 05:08	06/04/25 12:47	1
Thallium	ND		1.00	0.260	ug/L		06/04/25 05:08	06/04/25 12:47	1
Vanadium	**0.860**	**J**	10.0	0.630	ug/L		06/04/25 05:08	06/04/25 12:47	1
Zinc	**8.11**	**J**	20.0	2.80	ug/L		06/04/25 05:08	06/04/25 12:47	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0800	ug/L		06/04/25 12:47	06/05/25 09:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		0.0500	0.0460	mg/L			06/10/25 14:30	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276828-1

Client Sample ID: SW-2
Date Collected: 05/30/25 14:35
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-9
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			06/10/25 14:28	1
Benzene	ND		1.00	0.500	ug/L			06/10/25 14:28	1
Bromobenzene	ND		1.00	0.540	ug/L			06/10/25 14:28	1
Bromoform	ND		5.00	0.250	ug/L			06/10/25 14:28	1
Bromomethane	ND		1.00	0.980	ug/L			06/10/25 14:28	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/10/25 14:28	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/10/25 14:28	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/10/25 14:28	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/10/25 14:28	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/10/25 14:28	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/10/25 14:28	1
Chloroethane	ND		1.00	0.760	ug/L			06/10/25 14:28	1
Chloroform	ND		1.00	0.900	ug/L			06/10/25 14:28	1
Chloromethane	ND		1.00	0.400	ug/L			06/10/25 14:28	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/10/25 14:28	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/10/25 14:28	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/10/25 14:28	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/10/25 14:28	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/10/25 14:28	1
Dibromomethane	ND		5.00	0.220	ug/L			06/10/25 14:28	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/10/25 14:28	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/10/25 14:28	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/10/25 14:28	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/10/25 14:28	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/10/25 14:28	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/10/25 14:28	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/10/25 14:28	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/10/25 14:28	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/10/25 14:28	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/10/25 14:28	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/10/25 14:28	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/10/25 14:28	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/10/25 14:28	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/10/25 14:28	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			06/10/25 14:28	1
Hexane	ND		1.00	0.960	ug/L			06/10/25 14:28	1
2-Hexanone	ND		25.0	4.26	ug/L			06/10/25 14:28	1
Iodomethane	ND		1.00	0.900	ug/L			06/10/25 14:28	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/10/25 14:28	1
Isopropyl ether	ND		1.00	0.740	ug/L			06/10/25 14:28	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/10/25 14:28	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/10/25 14:28	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/10/25 14:28	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/10/25 14:28	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/10/25 14:28	1
Naphthalene	ND		5.00	3.00	ug/L			06/10/25 14:28	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/10/25 14:28	1
n-Heptane	ND		1.00	0.210	ug/L			06/10/25 14:28	1
N-Propylbenzene	ND		1.00	0.690	ug/L			06/10/25 14:28	1

Client Sample ID: SW-2
Date Collected: 05/30/25 14:35
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-9
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		5.00	3.00	ug/L			06/10/25 14:28	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/10/25 14:28	1
Styrene	ND		1.00	1.00	ug/L			06/10/25 14:28	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/10/25 14:28	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/10/25 14:28	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/10/25 14:28	1
Tetrachloroethene	ND		1.00	0.330	ug/L			06/10/25 14:28	1
Toluene	ND		1.00	0.900	ug/L			06/10/25 14:28	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/10/25 14:28	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/10/25 14:28	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/10/25 14:28	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/10/25 14:28	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/10/25 14:28	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/10/25 14:28	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/10/25 14:28	1
Trichloroethene	ND		1.00	0.150	ug/L			06/10/25 14:28	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			06/10/25 14:28	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/10/25 14:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/10/25 14:28	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/10/25 14:28	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/10/25 14:28	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/10/25 14:28	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/10/25 14:28	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/10/25 14:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*56 - 136*		*06/10/25 14:28*	*1*
Dibromofluoromethane	*99*		*79 - 130*		*06/10/25 14:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*59 - 146*		*06/10/25 14:28*	*1*
Toluene-d8 (Surr)	*97*		*64 - 132*		*06/10/25 14:28*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.291	0.291	ug/L		06/06/25 07:00	06/14/25 16:53	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*28*		*10 - 140*	*06/06/25 07:00*	*06/14/25 16:53*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.87	0.414	ug/L		06/04/25 07:00	06/07/25 23:56	1
2,4,5-Trichlorophenol	ND		9.87	0.533	ug/L		06/04/25 07:00	06/07/25 23:56	1
2,4,6-Trichlorophenol	ND		9.87	1.08	ug/L		06/04/25 07:00	06/07/25 23:56	1
2,4-Dichlorophenol	ND		9.87	0.563	ug/L		06/04/25 07:00	06/07/25 23:56	1
2,4-Dimethylphenol	ND		9.87	0.237	ug/L		06/04/25 07:00	06/07/25 23:56	1
2,4-Dinitrophenol	ND		29.6	4.62	ug/L		06/04/25 07:00	06/07/25 23:56	1
2,4-Dinitrotoluene	ND		9.87	0.641	ug/L		06/04/25 07:00	06/07/25 23:56	1
2,6-Dinitrotoluene	ND		9.87	0.286	ug/L		06/04/25 07:00	06/07/25 23:56	1
2-Chloronaphthalene	ND		9.87	0.375	ug/L		06/04/25 07:00	06/07/25 23:56	1
2-Chlorophenol	ND		9.87	0.829	ug/L		06/04/25 07:00	06/07/25 23:56	1
2-Methylnaphthalene	ND		9.87	0.799	ug/L		06/04/25 07:00	06/07/25 23:56	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276828-1

Client Sample ID: SW-2
Date Collected: 05/30/25 14:35
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		9.87	0.750	ug/L		06/04/25 07:00	06/07/25 23:56	1
2-Nitroaniline	ND		9.87	1.35	ug/L		06/04/25 07:00	06/07/25 23:56	1
2-Nitrophenol	ND		9.87	1.15	ug/L		06/04/25 07:00	06/07/25 23:56	1
3 & 4 Methylphenol	ND		19.7	4.54	ug/L		06/04/25 07:00	06/07/25 23:56	1
3,3'-Dichlorobenzidine	ND		10.9	0.405	ug/L		06/04/25 07:00	06/07/25 23:56	1
3-Nitroaniline	ND		9.87	0.938	ug/L		06/04/25 07:00	06/07/25 23:56	1
4,6-Dinitro-2-methylphenol	ND		9.87	1.94	ug/L		06/04/25 07:00	06/07/25 23:56	1
4-Bromophenyl phenyl ether	ND		9.87	0.128	ug/L		06/04/25 07:00	06/07/25 23:56	1
4-Chloro-3-methylphenol	ND		9.87	0.720	ug/L		06/04/25 07:00	06/07/25 23:56	1
4-Chloroaniline	ND		9.87	0.276	ug/L		06/04/25 07:00	06/07/25 23:56	1
4-Chlorophenyl phenyl ether	ND		9.87	0.237	ug/L		06/04/25 07:00	06/07/25 23:56	1
4-Nitroaniline	ND		9.87	3.45	ug/L		06/04/25 07:00	06/07/25 23:56	1
4-Nitrophenol	ND		9.87	2.70	ug/L		06/04/25 07:00	06/07/25 23:56	1
Acenaphthene	ND		9.87	0.622	ug/L		06/04/25 07:00	06/07/25 23:56	1
Acenaphthylene	ND		9.87	0.750	ug/L		06/04/25 07:00	06/07/25 23:56	1
Acetophenone	ND		9.87	3.16	ug/L		06/04/25 07:00	06/07/25 23:56	1
Anthracene	ND		9.87	0.898	ug/L		06/04/25 07:00	06/07/25 23:56	1
Atrazine	ND		9.87	1.12	ug/L		06/04/25 07:00	06/07/25 23:56	1
Benzaldehyde	ND		9.87	0.661	ug/L		06/04/25 07:00	06/07/25 23:56	1
Benzo[a]anthracene	ND		9.87	0.987	ug/L		06/04/25 07:00	06/07/25 23:56	1
Benzo[a]pyrene	ND		9.87	1.09	ug/L		06/04/25 07:00	06/07/25 23:56	1
Benzo[b]fluoranthene	ND		9.87	1.18	ug/L		06/04/25 07:00	06/07/25 23:56	1
Benzo[g,h,i]perylene	ND		9.87	1.48	ug/L		06/04/25 07:00	06/07/25 23:56	1
Benzo[k]fluoranthene	ND		9.87	1.48	ug/L		06/04/25 07:00	06/07/25 23:56	1
bis (2-chloroisopropyl) ether	ND		9.87	0.918	ug/L		06/04/25 07:00	06/07/25 23:56	1
Bis(2-chloroethoxy)methane	ND		9.87	0.336	ug/L		06/04/25 07:00	06/07/25 23:56	1
Bis(2-chloroethyl)ether	ND		9.87	0.720	ug/L		06/04/25 07:00	06/07/25 23:56	1
Bis(2-ethylhexyl) phthalate	ND		9.87	3.95	ug/L		06/04/25 07:00	06/07/25 23:56	1
Butyl benzyl phthalate	ND		9.87	3.95	ug/L		06/04/25 07:00	06/07/25 23:56	1
Caprolactam	ND		9.87	2.37	ug/L		06/04/25 07:00	06/07/25 23:56	1
Carbazole	ND		9.87	0.316	ug/L		06/04/25 07:00	06/07/25 23:56	1
Chrysene	ND		9.87	1.18	ug/L		06/04/25 07:00	06/07/25 23:56	1
Dibenz(a,h)anthracene	ND		9.87	1.28	ug/L		06/04/25 07:00	06/07/25 23:56	1
Dibenzofuran	ND		9.87	0.632	ug/L		06/04/25 07:00	06/07/25 23:56	1
Diethyl phthalate	ND		9.87	3.95	ug/L		06/04/25 07:00	06/07/25 23:56	1
Dimethyl phthalate	ND		9.87	3.95	ug/L		06/04/25 07:00	06/07/25 23:56	1
Di-n-butyl phthalate	ND		9.87	3.95	ug/L		06/04/25 07:00	06/07/25 23:56	1
Di-n-octyl phthalate	ND		9.87	3.95	ug/L		06/04/25 07:00	06/07/25 23:56	1
Fluoranthene	ND		9.87	0.622	ug/L		06/04/25 07:00	06/07/25 23:56	1
Fluorene	ND		9.87	0.661	ug/L		06/04/25 07:00	06/07/25 23:56	1
Hexachlorobenzene	ND		9.87	0.247	ug/L		06/04/25 07:00	06/07/25 23:56	1
Hexachlorobutadiene	ND		9.87	0.543	ug/L		06/04/25 07:00	06/07/25 23:56	1
Hexachlorocyclopentadiene	ND		19.7	0.316	ug/L		06/04/25 07:00	06/07/25 23:56	1
Hexachloroethane	ND		9.87	0.523	ug/L		06/04/25 07:00	06/07/25 23:56	1
Indeno[1,2,3-cd]pyrene	ND		9.87	1.09	ug/L		06/04/25 07:00	06/07/25 23:56	1
Isophorone	ND		9.87	0.789	ug/L		06/04/25 07:00	06/07/25 23:56	1
Naphthalene	ND		9.87	0.740	ug/L		06/04/25 07:00	06/07/25 23:56	1
Nitrobenzene	ND		9.87	0.592	ug/L		06/04/25 07:00	06/07/25 23:56	1
N-Nitrosodi-n-propylamine	ND		9.87	0.326	ug/L		06/04/25 07:00	06/07/25 23:56	1

Client Sample ID: SW-2

Date Collected: 05/30/25 14:35
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		9.87	0.188	ug/L		06/04/25 07:00	06/07/25 23:56	1
Pentachlorophenol	ND		9.87	2.76	ug/L		06/04/25 07:00	06/07/25 23:56	1
Phenanthrene	ND		9.87	0.730	ug/L		06/04/25 07:00	06/07/25 23:56	1
Phenol	ND		9.87	0.671	ug/L		06/04/25 07:00	06/07/25 23:56	1
Pyrene	ND		9.87	0.622	ug/L		06/04/25 07:00	06/07/25 23:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*75*		*10 - 150*	*06/04/25 07:00*	*06/07/25 23:56*	*1*
2-Fluorobiphenyl (Surr)	*77*		*25 - 139*	*06/04/25 07:00*	*06/07/25 23:56*	*1*
2-Fluorophenol (Surr)	*76*		*10 - 150*	*06/04/25 07:00*	*06/07/25 23:56*	*1*
Nitrobenzene-d5 (Surr)	*93*		*22 - 150*	*06/04/25 07:00*	*06/07/25 23:56*	*1*
Phenol-d5 (Surr)	*73*		*10 - 150*	*06/04/25 07:00*	*06/07/25 23:56*	*1*
Terphenyl-d14 (Surr)	*58*		*28 - 150*	*06/04/25 07:00*	*06/07/25 23:56*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.291**		0.100	0.0630	mg/L			06/01/25 09:31	1
Sulfate	**15.0**		1.00	0.390	mg/L			06/01/25 09:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.455**	**J**	5.00	0.340	ug/L		06/04/25 05:08	06/04/25 13:07	1
Arsenic	**0.910**	**J**	3.00	0.860	ug/L		06/04/25 05:08	06/04/25 13:07	1
Barium	**55.2**		5.00	0.890	ug/L		06/04/25 05:08	06/04/25 13:07	1
Beryllium	ND		0.500	0.200	ug/L		06/04/25 05:08	06/04/25 13:07	1
Cadmium	ND		0.500	0.0780	ug/L		06/04/25 05:08	06/04/25 13:07	1
Chromium	ND		5.00	1.20	ug/L		06/04/25 05:08	06/04/25 13:07	1
Cobalt	ND		0.500	0.220	ug/L		06/04/25 05:08	06/04/25 13:07	1
Copper	**6.20**		5.00	1.08	ug/L		06/04/25 05:08	06/04/25 13:07	1
Lead	**1.32**	**J**	2.50	0.210	ug/L		06/04/25 05:08	06/04/25 13:07	1
Manganese	**26.9**		5.00	2.20	ug/L		06/04/25 05:08	06/04/25 13:07	1
Nickel	**1.70**	**J**	5.00	0.420	ug/L		06/04/25 05:08	06/04/25 13:07	1
Selenium	ND		2.50	0.990	ug/L		06/04/25 05:08	06/04/25 13:07	1
Silver	ND		1.00	0.390	ug/L		06/04/25 05:08	06/04/25 13:07	1
Thallium	ND		1.00	0.260	ug/L		06/04/25 05:08	06/04/25 13:07	1
Vanadium	**1.02**	**J**	10.0	0.630	ug/L		06/04/25 05:08	06/04/25 13:07	1
Zinc	**9.51**	**J**	20.0	2.80	ug/L		06/04/25 05:08	06/04/25 13:07	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0800	ug/L		06/04/25 12:47	06/05/25 09:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		0.0500	0.0460	mg/L			06/10/25 14:33	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276828-1

Client Sample ID: SW-1
Date Collected: 05/30/25 15:20
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-10
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			06/10/25 14:54	1
Benzene	ND		1.00	0.500	ug/L			06/10/25 14:54	1
Bromobenzene	ND		1.00	0.540	ug/L			06/10/25 14:54	1
Bromoform	ND		5.00	0.250	ug/L			06/10/25 14:54	1
Bromomethane	ND		1.00	0.980	ug/L			06/10/25 14:54	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/10/25 14:54	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/10/25 14:54	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/10/25 14:54	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/10/25 14:54	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/10/25 14:54	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/10/25 14:54	1
Chloroethane	ND		1.00	0.760	ug/L			06/10/25 14:54	1
Chloroform	ND		1.00	0.900	ug/L			06/10/25 14:54	1
Chloromethane	ND		1.00	0.400	ug/L			06/10/25 14:54	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/10/25 14:54	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/10/25 14:54	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/10/25 14:54	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/10/25 14:54	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/10/25 14:54	1
Dibromomethane	ND		5.00	0.220	ug/L			06/10/25 14:54	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/10/25 14:54	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/10/25 14:54	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/10/25 14:54	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/10/25 14:54	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/10/25 14:54	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/10/25 14:54	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/10/25 14:54	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/10/25 14:54	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/10/25 14:54	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/10/25 14:54	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/10/25 14:54	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/10/25 14:54	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/10/25 14:54	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/10/25 14:54	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			06/10/25 14:54	1
Hexane	ND		1.00	0.960	ug/L			06/10/25 14:54	1
2-Hexanone	ND		25.0	4.26	ug/L			06/10/25 14:54	1
Iodomethane	ND		1.00	0.900	ug/L			06/10/25 14:54	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/10/25 14:54	1
Isopropyl ether	ND		1.00	0.740	ug/L			06/10/25 14:54	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/10/25 14:54	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/10/25 14:54	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/10/25 14:54	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/10/25 14:54	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/10/25 14:54	1
Naphthalene	ND		5.00	3.00	ug/L			06/10/25 14:54	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/10/25 14:54	1
n-Heptane	ND		1.00	0.210	ug/L			06/10/25 14:54	1
N-Propylbenzene	ND		1.00	0.690	ug/L			06/10/25 14:54	1

Client Sample ID: SW-1

Date Collected: 05/30/25 15:20
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-10

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		5.00	3.00	ug/L			06/10/25 14:54	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/10/25 14:54	1
Styrene	ND		1.00	1.00	ug/L			06/10/25 14:54	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/10/25 14:54	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/10/25 14:54	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/10/25 14:54	1
Tetrachloroethene	ND		1.00	0.330	ug/L			06/10/25 14:54	1
Toluene	ND		1.00	0.900	ug/L			06/10/25 14:54	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/10/25 14:54	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/10/25 14:54	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/10/25 14:54	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/10/25 14:54	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/10/25 14:54	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/10/25 14:54	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/10/25 14:54	1
Trichloroethene	ND		1.00	0.150	ug/L			06/10/25 14:54	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			06/10/25 14:54	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/10/25 14:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/10/25 14:54	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/10/25 14:54	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/10/25 14:54	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/10/25 14:54	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/10/25 14:54	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/10/25 14:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*56 - 136*		*06/10/25 14:54*	*1*
Dibromofluoromethane	*102*		*79 - 130*		*06/10/25 14:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*59 - 146*		*06/10/25 14:54*	*1*
Toluene-d8 (Surr)	*96*		*64 - 132*		*06/10/25 14:54*	*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		06/06/25 07:00	06/14/25 17:18	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*25*		*10 - 140*	*06/06/25 07:00*	*06/14/25 17:18*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.84	0.413	ug/L		06/04/25 07:00	06/08/25 00:27	1
2,4,5-Trichlorophenol	ND		9.84	0.531	ug/L		06/04/25 07:00	06/08/25 00:27	1
2,4,6-Trichlorophenol	ND		9.84	1.07	ug/L		06/04/25 07:00	06/08/25 00:27	1
2,4-Dichlorophenol	ND		9.84	0.561	ug/L		06/04/25 07:00	06/08/25 00:27	1
2,4-Dimethylphenol	ND		9.84	0.236	ug/L		06/04/25 07:00	06/08/25 00:27	1
2,4-Dinitrophenol	ND		29.5	4.60	ug/L		06/04/25 07:00	06/08/25 00:27	1
2,4-Dinitrotoluene	ND		9.84	0.639	ug/L		06/04/25 07:00	06/08/25 00:27	1
2,6-Dinitrotoluene	ND		9.84	0.285	ug/L		06/04/25 07:00	06/08/25 00:27	1
2-Chloronaphthalene	ND		9.84	0.374	ug/L		06/04/25 07:00	06/08/25 00:27	1
2-Chlorophenol	ND		9.84	0.826	ug/L		06/04/25 07:00	06/08/25 00:27	1
2-Methylnaphthalene	ND		9.84	0.797	ug/L		06/04/25 07:00	06/08/25 00:27	1

Client Sample ID: SW-1
Date Collected: 05/30/25 15:20
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		9.84	0.748	ug/L		06/04/25 07:00	06/08/25 00:27	1
2-Nitroaniline	ND		9.84	1.35	ug/L		06/04/25 07:00	06/08/25 00:27	1
2-Nitrophenol	ND		9.84	1.15	ug/L		06/04/25 07:00	06/08/25 00:27	1
3 & 4 Methylphenol	ND		19.7	4.52	ug/L		06/04/25 07:00	06/08/25 00:27	1
3,3'-Dichlorobenzidine	ND		10.8	0.403	ug/L		06/04/25 07:00	06/08/25 00:27	1
3-Nitroaniline	ND		9.84	0.934	ug/L		06/04/25 07:00	06/08/25 00:27	1
4,6-Dinitro-2-methylphenol	ND		9.84	1.94	ug/L		06/04/25 07:00	06/08/25 00:27	1
4-Bromophenyl phenyl ether	ND		9.84	0.128	ug/L		06/04/25 07:00	06/08/25 00:27	1
4-Chloro-3-methylphenol	ND		9.84	0.718	ug/L		06/04/25 07:00	06/08/25 00:27	1
4-Chloroaniline	ND		9.84	0.275	ug/L		06/04/25 07:00	06/08/25 00:27	1
4-Chlorophenyl phenyl ether	ND		9.84	0.236	ug/L		06/04/25 07:00	06/08/25 00:27	1
4-Nitroaniline	ND		9.84	3.44	ug/L		06/04/25 07:00	06/08/25 00:27	1
4-Nitrophenol	ND		9.84	2.70	ug/L		06/04/25 07:00	06/08/25 00:27	1
Acenaphthene	ND		9.84	0.620	ug/L		06/04/25 07:00	06/08/25 00:27	1
Acenaphthylene	ND		9.84	0.748	ug/L		06/04/25 07:00	06/08/25 00:27	1
Acetophenone	ND		9.84	3.15	ug/L		06/04/25 07:00	06/08/25 00:27	1
Anthracene	ND		9.84	0.895	ug/L		06/04/25 07:00	06/08/25 00:27	1
Atrazine	ND		9.84	1.11	ug/L		06/04/25 07:00	06/08/25 00:27	1
Benzaldehyde	ND		9.84	0.659	ug/L		06/04/25 07:00	06/08/25 00:27	1
Benzo[a]anthracene	ND		9.84	0.984	ug/L		06/04/25 07:00	06/08/25 00:27	1
Benzo[a]pyrene	ND		9.84	1.08	ug/L		06/04/25 07:00	06/08/25 00:27	1
Benzo[b]fluoranthene	ND		9.84	1.18	ug/L		06/04/25 07:00	06/08/25 00:27	1
Benzo[g,h,i]perylene	ND		9.84	1.48	ug/L		06/04/25 07:00	06/08/25 00:27	1
Benzo[k]fluoranthene	ND		9.84	1.48	ug/L		06/04/25 07:00	06/08/25 00:27	1
bis (2-chloroisopropyl) ether	ND		9.84	0.915	ug/L		06/04/25 07:00	06/08/25 00:27	1
Bis(2-chloroethoxy)methane	ND		9.84	0.334	ug/L		06/04/25 07:00	06/08/25 00:27	1
Bis(2-chloroethyl)ether	ND		9.84	0.718	ug/L		06/04/25 07:00	06/08/25 00:27	1
Bis(2-ethylhexyl) phthalate	ND		9.84	3.93	ug/L		06/04/25 07:00	06/08/25 00:27	1
Butyl benzyl phthalate	ND		9.84	3.93	ug/L		06/04/25 07:00	06/08/25 00:27	1
Caprolactam	ND		9.84	2.36	ug/L		06/04/25 07:00	06/08/25 00:27	1
Carbazole	ND		9.84	0.315	ug/L		06/04/25 07:00	06/08/25 00:27	1
Chrysene	ND		9.84	1.18	ug/L		06/04/25 07:00	06/08/25 00:27	1
Dibenz(a,h)anthracene	ND		9.84	1.28	ug/L		06/04/25 07:00	06/08/25 00:27	1
Dibenzofuran	ND		9.84	0.630	ug/L		06/04/25 07:00	06/08/25 00:27	1
Diethyl phthalate	ND		9.84	3.93	ug/L		06/04/25 07:00	06/08/25 00:27	1
Dimethyl phthalate	ND		9.84	3.93	ug/L		06/04/25 07:00	06/08/25 00:27	1
Di-n-butyl phthalate	ND		9.84	3.93	ug/L		06/04/25 07:00	06/08/25 00:27	1
Di-n-octyl phthalate	ND		9.84	3.93	ug/L		06/04/25 07:00	06/08/25 00:27	1
Fluoranthene	ND		9.84	0.620	ug/L		06/04/25 07:00	06/08/25 00:27	1
Fluorene	ND		9.84	0.659	ug/L		06/04/25 07:00	06/08/25 00:27	1
Hexachlorobenzene	ND		9.84	0.246	ug/L		06/04/25 07:00	06/08/25 00:27	1
Hexachlorobutadiene	ND		9.84	0.541	ug/L		06/04/25 07:00	06/08/25 00:27	1
Hexachlorocyclopentadiene	ND		19.7	0.315	ug/L		06/04/25 07:00	06/08/25 00:27	1
Hexachloroethane	ND		9.84	0.521	ug/L		06/04/25 07:00	06/08/25 00:27	1
Indeno[1,2,3-cd]pyrene	ND		9.84	1.08	ug/L		06/04/25 07:00	06/08/25 00:27	1
Isophorone	ND		9.84	0.787	ug/L		06/04/25 07:00	06/08/25 00:27	1
Naphthalene	ND		9.84	0.738	ug/L		06/04/25 07:00	06/08/25 00:27	1
Nitrobenzene	ND		9.84	0.590	ug/L		06/04/25 07:00	06/08/25 00:27	1
N-Nitrosodi-n-propylamine	ND		9.84	0.325	ug/L		06/04/25 07:00	06/08/25 00:27	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276828-1

Client Sample ID: SW-1

Date Collected: 05/30/25 15:20
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		9.84	0.187	ug/L		06/04/25 07:00	06/08/25 00:27	1
Pentachlorophenol	ND		9.84	2.75	ug/L		06/04/25 07:00	06/08/25 00:27	1
Phenanthrene	ND		9.84	0.728	ug/L		06/04/25 07:00	06/08/25 00:27	1
Phenol	ND		9.84	0.669	ug/L		06/04/25 07:00	06/08/25 00:27	1
Pyrene	ND		9.84	0.620	ug/L		06/04/25 07:00	06/08/25 00:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*76*		*10 - 150*	*06/04/25 07:00*	*06/08/25 00:27*	*1*
2-Fluorobiphenyl (Surr)	*76*		*25 - 139*	*06/04/25 07:00*	*06/08/25 00:27*	*1*
2-Fluorophenol (Surr)	*74*		*10 - 150*	*06/04/25 07:00*	*06/08/25 00:27*	*1*
Nitrobenzene-d5 (Surr)	*89*		*22 - 150*	*06/04/25 07:00*	*06/08/25 00:27*	*1*
Phenol-d5 (Surr)	*73*		*10 - 150*	*06/04/25 07:00*	*06/08/25 00:27*	*1*
Terphenyl-d14 (Surr)	*51*		*28 - 150*	*06/04/25 07:00*	*06/08/25 00:27*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.247**		0.100	0.0630	mg/L			06/01/25 09:40	1
Sulfate	**9.70**		1.00	0.390	mg/L			06/01/25 09:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.470**	**J**	5.00	0.340	ug/L		06/04/25 05:08	06/04/25 12:39	1
Arsenic	**0.980**	**J**	3.00	0.860	ug/L		06/04/25 05:08	06/04/25 12:39	1
Barium	**44.5**		5.00	0.890	ug/L		06/04/25 05:08	06/04/25 12:39	1
Beryllium	ND		0.500	0.200	ug/L		06/04/25 05:08	06/04/25 12:39	1
Cadmium	ND		0.500	0.0780	ug/L		06/04/25 05:08	06/04/25 12:39	1
Chromium	ND		5.00	1.20	ug/L		06/04/25 05:08	06/04/25 12:39	1
Cobalt	**0.345**	**J**	0.500	0.220	ug/L		06/04/25 05:08	06/04/25 12:39	1
Copper	**9.39**		5.00	1.08	ug/L		06/04/25 05:08	06/04/25 12:39	1
Lead	**5.44**		2.50	0.210	ug/L		06/04/25 05:08	06/04/25 12:39	1
Manganese	**47.4**		5.00	2.20	ug/L		06/04/25 05:08	06/04/25 12:39	1
Nickel	**1.82**	**J**	5.00	0.420	ug/L		06/04/25 05:08	06/04/25 12:39	1
Selenium	ND		2.50	0.990	ug/L		06/04/25 05:08	06/04/25 12:39	1
Silver	ND		1.00	0.390	ug/L		06/04/25 05:08	06/04/25 12:39	1
Thallium	ND		1.00	0.260	ug/L		06/04/25 05:08	06/04/25 12:39	1
Vanadium	**2.42**	**J**	10.0	0.630	ug/L		06/04/25 05:08	06/04/25 12:39	1
Zinc	**23.2**		20.0	2.80	ug/L		06/04/25 05:08	06/04/25 12:39	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0800	ug/L		06/04/25 12:47	06/05/25 09:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	**0.0600**		0.0500	0.0460	mg/L			06/10/25 14:36	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276828-1

Client Sample ID: TRIP BLANK
Date Collected: 05/30/25 00:00
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-11
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			06/10/25 13:37	1
Benzene	ND		1.00	0.500	ug/L			06/10/25 13:37	1
Bromobenzene	ND		1.00	0.540	ug/L			06/10/25 13:37	1
Bromoform	ND		5.00	0.250	ug/L			06/10/25 13:37	1
Bromomethane	ND		1.00	0.980	ug/L			06/10/25 13:37	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/10/25 13:37	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/10/25 13:37	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/10/25 13:37	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/10/25 13:37	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/10/25 13:37	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/10/25 13:37	1
Chloroethane	ND		1.00	0.760	ug/L			06/10/25 13:37	1
Chloroform	ND		1.00	0.900	ug/L			06/10/25 13:37	1
Chloromethane	ND		1.00	0.400	ug/L			06/10/25 13:37	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/10/25 13:37	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/10/25 13:37	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/10/25 13:37	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/10/25 13:37	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/10/25 13:37	1
Dibromomethane	ND		5.00	0.220	ug/L			06/10/25 13:37	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/10/25 13:37	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/10/25 13:37	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/10/25 13:37	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/10/25 13:37	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/10/25 13:37	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/10/25 13:37	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/10/25 13:37	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/10/25 13:37	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/10/25 13:37	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/10/25 13:37	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/10/25 13:37	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/10/25 13:37	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/10/25 13:37	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/10/25 13:37	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			06/10/25 13:37	1
Hexane	ND		1.00	0.960	ug/L			06/10/25 13:37	1
2-Hexanone	ND		25.0	4.26	ug/L			06/10/25 13:37	1
Iodomethane	ND		1.00	0.900	ug/L			06/10/25 13:37	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/10/25 13:37	1
Isopropyl ether	ND		1.00	0.740	ug/L			06/10/25 13:37	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/10/25 13:37	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/10/25 13:37	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/10/25 13:37	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/10/25 13:37	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/10/25 13:37	1
Naphthalene	ND		5.00	3.00	ug/L			06/10/25 13:37	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/10/25 13:37	1
n-Heptane	ND		1.00	0.210	ug/L			06/10/25 13:37	1
N-Propylbenzene	ND		1.00	0.690	ug/L			06/10/25 13:37	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276828-1

Client Sample ID: TRIP BLANK
Date Collected: 05/30/25 00:00
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-11
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			06/10/25 13:37	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/10/25 13:37	1
Styrene	ND		1.00	1.00	ug/L			06/10/25 13:37	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/10/25 13:37	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/10/25 13:37	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/10/25 13:37	1
Tetrachloroethene	ND		1.00	0.330	ug/L			06/10/25 13:37	1
Toluene	ND		1.00	0.900	ug/L			06/10/25 13:37	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/10/25 13:37	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/10/25 13:37	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/10/25 13:37	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/10/25 13:37	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/10/25 13:37	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/10/25 13:37	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/10/25 13:37	1
Trichloroethene	ND		1.00	0.150	ug/L			06/10/25 13:37	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			06/10/25 13:37	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/10/25 13:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/10/25 13:37	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/10/25 13:37	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/10/25 13:37	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/10/25 13:37	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/10/25 13:37	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/10/25 13:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*56 - 136*		*06/10/25 13:37*	*1*
Dibromofluoromethane	*101*		*79 - 130*		*06/10/25 13:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*59 - 146*		*06/10/25 13:37*	*1*
Toluene-d8 (Surr)	*96*		*64 - 132*		*06/10/25 13:37*	*1*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.

HPLC/IC

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.

Metals

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276828-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(56-136)	(79-130)	(59-146)	(64-132)
400-276828-1	SW-9	93	100	103	98
400-276828-2	SW-8	92	99	100	95
400-276828-3	SW-7	94	100	104	96
400-276828-4	SW-6	93	101	101	96
400-276828-5	SW-DUP	94	103	103	97
400-276828-6	SW-5	95	101	102	96
400-276828-7	SW-4	93	103	104	95
400-276828-8	SW-3	93	102	102	96
400-276828-8 MS	SW-3	95	103	108	95
400-276828-8 MSD	SW-3	96	105	109	98
400-276828-9	SW-2	94	99	100	97
400-276828-10	SW-1	93	102	101	96
400-276828-11	TRIP BLANK	96	101	102	96
LCS 400-712023/1002	Lab Control Sample	97	104	109	98
LCS 400-712147/1002	Lab Control Sample	97	104	105	97
LCS 400-712328/1002	Lab Control Sample	98	105	107	98
MB 400-712023/5	Method Blank	94	104	102	96
MB 400-712147/5	Method Blank	93	98	102	93
MB 400-712328/5	Method Blank	93	102	101	91

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(10-150)	(25-139)	(10-150)	(22-150)	(10-150)	(28-150)
400-276828-1	SW-9	84	80	81	87	85	52
400-276828-2	SW-8	73	77	75	90	77	52
400-276828-3	SW-7	73	77	75	86	80	52
400-276828-4	SW-6	75	79	78	88	82	54
400-276828-5	SW-DUP	80	83	85	93	91	67
400-276828-6	SW-5	75	78	82	87	87	54
400-276828-7	SW-4	72	80	81	88	86	51
400-276828-8	SW-3	72	81	78	90	82	54
400-276828-9	SW-2	75	77	76	93	73	58
400-276828-10	SW-1	76	76	74	89	73	51
LCS 400-711584/2-A	Lab Control Sample	87	75	89	79	100	70
LCSD 400-711584/3-A	Lab Control Sample Dup	102	77	105	87	110	72
MB 400-711584/1-A	Method Blank	90	83	95	81	90	73

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)

Surrogate Summary

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276828-1

PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

GC/MS VOA

Analysis Batch: 712023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276828-1	SW-9	Total/NA	Water	8260D	
400-276828-2	SW-8	Total/NA	Water	8260D	
400-276828-3	SW-7	Total/NA	Water	8260D	
MB 400-712023/5	Method Blank	Total/NA	Water	8260D	
LCS 400-712023/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 712147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276828-4	SW-6	Total/NA	Water	8260D	
400-276828-5	SW-DUP	Total/NA	Water	8260D	
400-276828-6	SW-5	Total/NA	Water	8260D	
400-276828-7	SW-4	Total/NA	Water	8260D	
400-276828-9	SW-2	Total/NA	Water	8260D	
400-276828-10	SW-1	Total/NA	Water	8260D	
400-276828-11	TRIP BLANK	Total/NA	Water	8260D	
MB 400-712147/5	Method Blank	Total/NA	Water	8260D	
LCS 400-712147/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 712328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276828-8	SW-3	Total/NA	Water	8260D	
MB 400-712328/5	Method Blank	Total/NA	Water	8260D	
LCS 400-712328/1002	Lab Control Sample	Total/NA	Water	8260D	
400-276828-8 MS	SW-3	Total/NA	Water	8260D	
400-276828-8 MSD	SW-3	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 711584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276828-1	SW-9	Total/NA	Water	3511	
400-276828-2	SW-8	Total/NA	Water	3511	
400-276828-3	SW-7	Total/NA	Water	3511	
400-276828-4	SW-6	Total/NA	Water	3511	
400-276828-5	SW-DUP	Total/NA	Water	3511	
400-276828-6	SW-5	Total/NA	Water	3511	
400-276828-7	SW-4	Total/NA	Water	3511	
400-276828-8	SW-3	Total/NA	Water	3511	
400-276828-9	SW-2	Total/NA	Water	3511	
400-276828-10	SW-1	Total/NA	Water	3511	
MB 400-711584/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-711584/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-711584/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

Prep Batch: 711916

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276828-1	SW-9	Total/NA	Water	3510C	
400-276828-2	SW-8	Total/NA	Water	3510C	
400-276828-3	SW-7	Total/NA	Water	3510C	
400-276828-4	SW-6	Total/NA	Water	3510C	
400-276828-5	SW-DUP	Total/NA	Water	3510C	

GC/MS Semi VOA (Continued)

Prep Batch: 711916 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276828-6	SW-5	Total/NA	Water	3510C	
400-276828-7	SW-4	Total/NA	Water	3510C	
400-276828-8	SW-3	Total/NA	Water	3510C	
400-276828-9	SW-2	Total/NA	Water	3510C	
400-276828-10	SW-1	Total/NA	Water	3510C	
MB 400-711916/1-A	Method Blank	Total/NA	Water	3510C	
LCS 400-711916/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 400-711916/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 711974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276828-1	SW-9	Total/NA	Water	8270E	711584
400-276828-2	SW-8	Total/NA	Water	8270E	711584
400-276828-3	SW-7	Total/NA	Water	8270E	711584
400-276828-4	SW-6	Total/NA	Water	8270E	711584
400-276828-5	SW-DUP	Total/NA	Water	8270E	711584
400-276828-6	SW-5	Total/NA	Water	8270E	711584
400-276828-7	SW-4	Total/NA	Water	8270E	711584
400-276828-8	SW-3	Total/NA	Water	8270E	711584
400-276828-9	SW-2	Total/NA	Water	8270E	711584
400-276828-10	SW-1	Total/NA	Water	8270E	711584
MB 400-711584/1-A	Method Blank	Total/NA	Water	8270E	711584
LCS 400-711584/2-A	Lab Control Sample	Total/NA	Water	8270E	711584
LCSD 400-711584/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	711584

Analysis Batch: 712788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276828-1	SW-9	Total/NA	Water	8270E SIM ID	711916
400-276828-2	SW-8	Total/NA	Water	8270E SIM ID	711916
400-276828-3	SW-7	Total/NA	Water	8270E SIM ID	711916
400-276828-4	SW-6	Total/NA	Water	8270E SIM ID	711916
400-276828-5	SW-DUP	Total/NA	Water	8270E SIM ID	711916
400-276828-6	SW-5	Total/NA	Water	8270E SIM ID	711916
400-276828-7	SW-4	Total/NA	Water	8270E SIM ID	711916
400-276828-8	SW-3	Total/NA	Water	8270E SIM ID	711916
400-276828-9	SW-2	Total/NA	Water	8270E SIM ID	711916
400-276828-10	SW-1	Total/NA	Water	8270E SIM ID	711916
MB 400-711916/1-A	Method Blank	Total/NA	Water	8270E SIM ID	711916
LCS 400-711916/2-A	Lab Control Sample	Total/NA	Water	8270E SIM ID	711916
LCSD 400-711916/3-A	Lab Control Sample Dup	Total/NA	Water	8270E SIM ID	711916

HPLC/IC

Analysis Batch: 711085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276828-1	SW-9	Total/NA	Water	9056A	
400-276828-2	SW-8	Total/NA	Water	9056A	
400-276828-3	SW-7	Total/NA	Water	9056A	
400-276828-4	SW-6	Total/NA	Water	9056A	
400-276828-5	SW-DUP	Total/NA	Water	9056A	
400-276828-6	SW-5	Total/NA	Water	9056A	

HPLC/IC (Continued)

Analysis Batch: 711085 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276828-7	SW-4	Total/NA	Water	9056A	
400-276828-8	SW-3	Total/NA	Water	9056A	
400-276828-9	SW-2	Total/NA	Water	9056A	
400-276828-10	SW-1	Total/NA	Water	9056A	
MB 400-711085/27	Method Blank	Total/NA	Water	9056A	
LCS 400-711085/25	Lab Control Sample	Total/NA	Water	9056A	
LCSD 400-711085/10	Lab Control Sample Dup	Total/NA	Water	9056A	

Analysis Batch: 711087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276828-1	SW-9	Total/NA	Water	9056A	
400-276828-2	SW-8	Total/NA	Water	9056A	
400-276828-3	SW-7	Total/NA	Water	9056A	
400-276828-4	SW-6	Total/NA	Water	9056A	
400-276828-5	SW-DUP	Total/NA	Water	9056A	
400-276828-6	SW-5	Total/NA	Water	9056A	
400-276828-7	SW-4	Total/NA	Water	9056A	
400-276828-8	SW-3	Total/NA	Water	9056A	
400-276828-9	SW-2	Total/NA	Water	9056A	
400-276828-10	SW-1	Total/NA	Water	9056A	
MB 400-711087/27	Method Blank	Total/NA	Water	9056A	
LCS 400-711087/25	Lab Control Sample	Total/NA	Water	9056A	
LCSD 400-711087/10	Lab Control Sample Dup	Total/NA	Water	9056A	

Metals

Prep Batch: 883157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276828-1	SW-9	Total Recoverable	Water	3005A	
400-276828-2	SW-8	Total Recoverable	Water	3005A	
400-276828-3	SW-7	Total Recoverable	Water	3005A	
400-276828-4	SW-6	Total Recoverable	Water	3005A	
400-276828-5	SW-DUP	Total Recoverable	Water	3005A	
400-276828-6	SW-5	Total Recoverable	Water	3005A	
400-276828-7	SW-4	Total Recoverable	Water	3005A	
400-276828-8	SW-3	Total Recoverable	Water	3005A	
400-276828-9	SW-2	Total Recoverable	Water	3005A	
400-276828-10	SW-1	Total Recoverable	Water	3005A	
MB 680-883157/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-883157/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
400-276828-10 MS	SW-1	Total Recoverable	Water	3005A	
400-276828-10 MSD	SW-1	Total Recoverable	Water	3005A	

Prep Batch: 883198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276828-1	SW-9	Total/NA	Water	7470A	
400-276828-2	SW-8	Total/NA	Water	7470A	
400-276828-3	SW-7	Total/NA	Water	7470A	
400-276828-4	SW-6	Total/NA	Water	7470A	
400-276828-5	SW-DUP	Total/NA	Water	7470A	
400-276828-6	SW-5	Total/NA	Water	7470A	

Metals (Continued)

Prep Batch: 883198 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276828-7	SW-4	Total/NA	Water	7470A	
400-276828-8	SW-3	Total/NA	Water	7470A	
400-276828-9	SW-2	Total/NA	Water	7470A	
400-276828-10	SW-1	Total/NA	Water	7470A	
MB 680-883198/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-883198/2-A	Lab Control Sample	Total/NA	Water	7470A	
400-276828-6 MS	SW-5	Total/NA	Water	7470A	
400-276828-6 MSD	SW-5	Total/NA	Water	7470A	

Analysis Batch: 883230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276828-1	SW-9	Total Recoverable	Water	6020B	883157
400-276828-2	SW-8	Total Recoverable	Water	6020B	883157
400-276828-3	SW-7	Total Recoverable	Water	6020B	883157
400-276828-4	SW-6	Total Recoverable	Water	6020B	883157
400-276828-5	SW-DUP	Total Recoverable	Water	6020B	883157
400-276828-6	SW-5	Total Recoverable	Water	6020B	883157
400-276828-7	SW-4	Total Recoverable	Water	6020B	883157
400-276828-8	SW-3	Total Recoverable	Water	6020B	883157
400-276828-9	SW-2	Total Recoverable	Water	6020B	883157
400-276828-10	SW-1	Total Recoverable	Water	6020B	883157
MB 680-883157/1-A	Method Blank	Total Recoverable	Water	6020B	883157
LCS 680-883157/2-A	Lab Control Sample	Total Recoverable	Water	6020B	883157
400-276828-10 MS	SW-1	Total Recoverable	Water	6020B	883157
400-276828-10 MSD	SW-1	Total Recoverable	Water	6020B	883157

Analysis Batch: 883266

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276828-1	SW-9	Total/NA	Water	7470A	883198
400-276828-2	SW-8	Total/NA	Water	7470A	883198
400-276828-3	SW-7	Total/NA	Water	7470A	883198
400-276828-4	SW-6	Total/NA	Water	7470A	883198
400-276828-5	SW-DUP	Total/NA	Water	7470A	883198
400-276828-6	SW-5	Total/NA	Water	7470A	883198
400-276828-7	SW-4	Total/NA	Water	7470A	883198
400-276828-8	SW-3	Total/NA	Water	7470A	883198
400-276828-9	SW-2	Total/NA	Water	7470A	883198
400-276828-10	SW-1	Total/NA	Water	7470A	883198
MB 680-883198/1-A	Method Blank	Total/NA	Water	7470A	883198
LCS 680-883198/2-A	Lab Control Sample	Total/NA	Water	7470A	883198
400-276828-6 MS	SW-5	Total/NA	Water	7470A	883198
400-276828-6 MSD	SW-5	Total/NA	Water	7470A	883198

General Chemistry

Analysis Batch: 712311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276828-1	SW-9	Total/NA	Water	350.1	
400-276828-2	SW-8	Total/NA	Water	350.1	
400-276828-3	SW-7	Total/NA	Water	350.1	
400-276828-4	SW-6	Total/NA	Water	350.1	

General Chemistry (Continued)

Analysis Batch: 712311 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276828-5	SW-DUP	Total/NA	Water	350.1	
400-276828-6	SW-5	Total/NA	Water	350.1	
400-276828-7	SW-4	Total/NA	Water	350.1	
400-276828-8	SW-3	Total/NA	Water	350.1	
400-276828-9	SW-2	Total/NA	Water	350.1	
400-276828-10	SW-1	Total/NA	Water	350.1	
MB 400-712311/60	Method Blank	Total/NA	Water	350.1	
LCS 400-712311/61	Lab Control Sample	Total/NA	Water	350.1	
MRL 400-712311/19	Lab Control Sample	Total/NA	Water	350.1	

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276828-1

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

Lab Sample ID: MB 400-712023/5
Matrix: Water
Analysis Batch: 712023

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0	10.0	ug/L			06/09/25 08:59	1
Benzene	ND		1.00	0.500	ug/L			06/09/25 08:59	1
Bromobenzene	ND		1.00	0.540	ug/L			06/09/25 08:59	1
Bromoform	ND		5.00	0.250	ug/L			06/09/25 08:59	1
Bromomethane	ND		1.00	0.980	ug/L			06/09/25 08:59	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/09/25 08:59	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/09/25 08:59	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/09/25 08:59	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/09/25 08:59	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/09/25 08:59	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/09/25 08:59	1
Chloroethane	ND		1.00	0.760	ug/L			06/09/25 08:59	1
Chloroform	ND		1.00	0.900	ug/L			06/09/25 08:59	1
Chloromethane	ND		1.00	0.400	ug/L			06/09/25 08:59	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/09/25 08:59	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/09/25 08:59	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/09/25 08:59	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/09/25 08:59	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/09/25 08:59	1
Dibromomethane	ND		5.00	0.220	ug/L			06/09/25 08:59	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/09/25 08:59	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/09/25 08:59	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/09/25 08:59	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/09/25 08:59	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/09/25 08:59	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/09/25 08:59	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/09/25 08:59	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/09/25 08:59	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/09/25 08:59	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/09/25 08:59	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/09/25 08:59	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/09/25 08:59	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/09/25 08:59	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/09/25 08:59	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			06/09/25 08:59	1
Hexane	ND		1.00	0.960	ug/L			06/09/25 08:59	1
2-Hexanone	ND		25.0	4.26	ug/L			06/09/25 08:59	1
Iodomethane	ND		1.00	0.900	ug/L			06/09/25 08:59	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/09/25 08:59	1
Isopropyl ether	ND		1.00	0.740	ug/L			06/09/25 08:59	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/09/25 08:59	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/09/25 08:59	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/09/25 08:59	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/09/25 08:59	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/09/25 08:59	1
Naphthalene	ND		5.00	3.00	ug/L			06/09/25 08:59	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/09/25 08:59	1
n-Heptane	ND		1.00	0.210	ug/L			06/09/25 08:59	1

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

Lab Sample ID: MB 400-712023/5
Matrix: Water
Analysis Batch: 712023

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		1.00	0.690	ug/L			06/09/25 08:59	1
o-Xylene	ND		5.00	3.00	ug/L			06/09/25 08:59	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/09/25 08:59	1
Styrene	ND		1.00	1.00	ug/L			06/09/25 08:59	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/09/25 08:59	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/09/25 08:59	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/09/25 08:59	1
Tetrachloroethene	ND		1.00	0.330	ug/L			06/09/25 08:59	1
Toluene	ND		1.00	0.900	ug/L			06/09/25 08:59	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/09/25 08:59	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/09/25 08:59	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/09/25 08:59	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/09/25 08:59	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/09/25 08:59	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/09/25 08:59	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/09/25 08:59	1
Trichloroethene	ND		1.00	0.150	ug/L			06/09/25 08:59	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			06/09/25 08:59	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/09/25 08:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/09/25 08:59	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/09/25 08:59	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/09/25 08:59	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/09/25 08:59	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/09/25 08:59	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/09/25 08:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*56 - 136*		*06/09/25 08:59*	*1*
Dibromofluoromethane	*104*		*79 - 130*		*06/09/25 08:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*59 - 146*		*06/09/25 08:59*	*1*
Toluene-d8 (Surr)	*96*		*64 - 132*		*06/09/25 08:59*	*1*

Lab Sample ID: LCS 400-712023/1002
Matrix: Water
Analysis Batch: 712023

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	260.3		ug/L		130	43 - 150
Benzene	50.0	48.76		ug/L		98	70 - 130
Bromobenzene	50.0	45.78		ug/L		92	70 - 132
Bromoform	50.0	48.38		ug/L		97	57 - 140
Bromomethane	50.0	46.76		ug/L		94	10 - 150
2-Butanone (MEK)	200	248.8		ug/L		124	61 - 145
Carbon disulfide	50.0	45.30		ug/L		91	61 - 137
Carbon tetrachloride	50.0	51.76		ug/L		104	61 - 137
Chlorobenzene	50.0	46.07		ug/L		92	70 - 130
Chlorobromomethane	50.0	52.97		ug/L		106	70 - 130
Chlorodibromomethane	50.0	50.86		ug/L		102	67 - 135

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

Lab Sample ID: LCS 400-712023/1002
Matrix: Water
Analysis Batch: 712023

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroethane	50.0	47.89		ug/L		96	55 - 141
Chloroform	50.0	49.40		ug/L		99	69 - 130
Chloromethane	50.0	45.84		ug/L		92	58 - 137
2-Chlorotoluene	50.0	41.72		ug/L		83	70 - 130
4-Chlorotoluene	50.0	42.11		ug/L		84	70 - 130
cis-1,2-Dichloroethene	50.0	50.81		ug/L		102	68 - 130
cis-1,3-Dichloropropene	50.0	51.50		ug/L		103	69 - 132
1,2-Dibromo-3-Chloropropane	50.0	46.65		ug/L		93	54 - 135
Dibromomethane	50.0	52.91		ug/L		106	70 - 130
1,2-Dichlorobenzene	50.0	44.87		ug/L		90	67 - 130
1,3-Dichlorobenzene	50.0	42.93		ug/L		86	70 - 130
1,4-Dichlorobenzene	50.0	43.09		ug/L		86	70 - 130
Dichlorobromomethane	50.0	51.74		ug/L		103	67 - 133
1,1-Dichloroethane	50.0	50.19		ug/L		100	70 - 130
1,2-Dichloroethane	50.0	53.15		ug/L		106	69 - 130
1,1-Dichloroethene	50.0	49.47		ug/L		99	63 - 134
1,2-Dichloropropane	50.0	49.04		ug/L		98	70 - 130
1,3-Dichloropropane	50.0	49.09		ug/L		98	70 - 130
2,2-Dichloropropane	50.0	48.29		ug/L		97	52 - 135
1,1-Dichloropropene	50.0	47.24		ug/L		94	70 - 130
Ethyl acetate	100	90.28		ug/L		90	34 - 150
Ethylbenzene	50.0	43.42		ug/L		87	70 - 130
Ethylene Dibromide	50.0	49.43		ug/L		99	70 - 130
Hexachlorobutadiene	50.0	37.29		ug/L		75	53 - 140
Hexane	50.0	49.89		ug/L		100	69 - 130
2-Hexanone	200	208.2		ug/L		104	65 - 137
Iodomethane	50.0	49.45		ug/L		99	27 - 150
Isopropylbenzene	50.0	43.49		ug/L		87	70 - 130
Isopropyl ether	50.0	49.60		ug/L		99	64 - 132
4-Isopropyltoluene	50.0	38.80		ug/L		78	65 - 130
Methylene Chloride	50.0	49.32		ug/L		99	66 - 135
4-Methyl-2-pentanone (MIBK)	200	219.1		ug/L		110	69 - 138
Methyl tert-butyl ether	50.0	50.73		ug/L		101	66 - 130
m-Xylene & p-Xylene	50.0	43.08		ug/L		86	70 - 130
Naphthalene	50.0	48.14		ug/L		96	47 - 149
n-Butylbenzene	50.0	37.57		ug/L		75	67 - 130
n-Heptane	50.0	43.98		ug/L		88	70 - 130
N-Propylbenzene	50.0	41.32		ug/L		83	70 - 130
o-Xylene	50.0	43.92		ug/L		88	70 - 130
sec-Butylbenzene	50.0	40.45		ug/L		81	66 - 130
Styrene	50.0	42.80		ug/L		86	70 - 130
tert-Butylbenzene	50.0	41.80		ug/L		84	64 - 139
1,1,1,2-Tetrachloroethane	50.0	50.05		ug/L		100	67 - 131
1,1,2,2-Tetrachloroethane	50.0	48.78		ug/L		98	70 - 131
Tetrachloroethene	50.0	46.59		ug/L		93	65 - 130
Toluene	50.0	45.31		ug/L		91	70 - 130
trans-1,4-Dichloro-2-butene	50.0	46.84		ug/L		94	57 - 140
trans-1,2-Dichloroethene	50.0	48.88		ug/L		98	70 - 130
trans-1,3-Dichloropropene	50.0	49.16		ug/L		98	63 - 130

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

Lab Sample ID: LCS 400-712023/1002
Matrix: Water
Analysis Batch: 712023

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichlorobenzene	50.0	45.64		ug/L		91	60 - 138
1,2,4-Trichlorobenzene	50.0	43.73		ug/L		87	60 - 140
1,1,1-Trichloroethane	50.0	49.96		ug/L		100	68 - 130
1,1,2-Trichloroethane	50.0	51.02		ug/L		102	70 - 130
Trichloroethene	50.0	50.13		ug/L		100	70 - 130
Trichlorofluoromethane	50.0	53.18		ug/L		106	65 - 138
1,2,3-Trichloropropane	50.0	49.08		ug/L		98	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	52.05		ug/L		104	60 - 139
1,2,4-Trimethylbenzene	50.0	40.17		ug/L		80	70 - 130
1,3,5-Trimethylbenzene	50.0	40.99		ug/L		82	69 - 130
Vinyl acetate	100	109.1		ug/L		109	26 - 150
Vinyl chloride	50.0	53.31		ug/L		107	59 - 136
Xylenes, Total	100	87.00		ug/L		87	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*97*		*56 - 136*
Dibromofluoromethane	*104*		*79 - 130*
1,2-Dichloroethane-d4 (Surr)	*109*		*59 - 146*
Toluene-d8 (Surr)	*98*		*64 - 132*

Lab Sample ID: MB 400-712147/5
Matrix: Water
Analysis Batch: 712147

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0	10.0	ug/L			06/10/25 07:39	1
Benzene	ND		1.00	0.500	ug/L			06/10/25 07:39	1
Bromobenzene	ND		1.00	0.540	ug/L			06/10/25 07:39	1
Bromoform	ND		5.00	0.250	ug/L			06/10/25 07:39	1
Bromomethane	ND		1.00	0.980	ug/L			06/10/25 07:39	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/10/25 07:39	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/10/25 07:39	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/10/25 07:39	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/10/25 07:39	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/10/25 07:39	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/10/25 07:39	1
Chloroethane	ND		1.00	0.760	ug/L			06/10/25 07:39	1
Chloroform	ND		1.00	0.900	ug/L			06/10/25 07:39	1
Chloromethane	ND		1.00	0.400	ug/L			06/10/25 07:39	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/10/25 07:39	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/10/25 07:39	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/10/25 07:39	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/10/25 07:39	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/10/25 07:39	1
Dibromomethane	ND		5.00	0.220	ug/L			06/10/25 07:39	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/10/25 07:39	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/10/25 07:39	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/10/25 07:39	1

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

Lab Sample ID: MB 400-712147/5
Matrix: Water
Analysis Batch: 712147

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			06/10/25 07:39	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/10/25 07:39	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/10/25 07:39	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/10/25 07:39	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/10/25 07:39	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/10/25 07:39	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/10/25 07:39	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/10/25 07:39	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/10/25 07:39	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/10/25 07:39	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/10/25 07:39	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			06/10/25 07:39	1
Hexane	ND		1.00	0.960	ug/L			06/10/25 07:39	1
2-Hexanone	ND		25.0	4.26	ug/L			06/10/25 07:39	1
Iodomethane	ND		1.00	0.900	ug/L			06/10/25 07:39	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/10/25 07:39	1
Isopropyl ether	ND		1.00	0.740	ug/L			06/10/25 07:39	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/10/25 07:39	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/10/25 07:39	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/10/25 07:39	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/10/25 07:39	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/10/25 07:39	1
Naphthalene	ND		5.00	3.00	ug/L			06/10/25 07:39	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/10/25 07:39	1
n-Heptane	ND		1.00	0.210	ug/L			06/10/25 07:39	1
N-Propylbenzene	ND		1.00	0.690	ug/L			06/10/25 07:39	1
o-Xylene	ND		5.00	3.00	ug/L			06/10/25 07:39	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/10/25 07:39	1
Styrene	ND		1.00	1.00	ug/L			06/10/25 07:39	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/10/25 07:39	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/10/25 07:39	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/10/25 07:39	1
Tetrachloroethene	ND		1.00	0.330	ug/L			06/10/25 07:39	1
Toluene	ND		1.00	0.900	ug/L			06/10/25 07:39	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/10/25 07:39	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/10/25 07:39	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/10/25 07:39	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/10/25 07:39	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/10/25 07:39	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/10/25 07:39	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/10/25 07:39	1
Trichloroethene	ND		1.00	0.150	ug/L			06/10/25 07:39	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			06/10/25 07:39	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/10/25 07:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/10/25 07:39	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/10/25 07:39	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/10/25 07:39	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/10/25 07:39	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/10/25 07:39	1

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

Lab Sample ID: MB 400-712147/5
Matrix: Water
Analysis Batch: 712147

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			06/10/25 07:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*56 - 136*		*06/10/25 07:39*	*1*
Dibromofluoromethane	*98*		*79 - 130*		*06/10/25 07:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*59 - 146*		*06/10/25 07:39*	*1*
Toluene-d8 (Surr)	*93*		*64 - 132*		*06/10/25 07:39*	*1*

Lab Sample ID: LCS 400-712147/1002
Matrix: Water
Analysis Batch: 712147

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	240.5		ug/L		120	43 - 150
Benzene	50.0	49.03		ug/L		98	70 - 130
Bromobenzene	50.0	49.70		ug/L		99	70 - 132
Bromoform	50.0	46.57		ug/L		93	57 - 140
Bromomethane	50.0	54.67		ug/L		109	10 - 150
2-Butanone (MEK)	200	231.2		ug/L		116	61 - 145
Carbon disulfide	50.0	43.05		ug/L		86	61 - 137
Carbon tetrachloride	50.0	51.36		ug/L		103	61 - 137
Chlorobenzene	50.0	48.18		ug/L		96	70 - 130
Chlorobromomethane	50.0	52.49		ug/L		105	70 - 130
Chlorodibromomethane	50.0	48.31		ug/L		97	67 - 135
Chloroethane	50.0	51.38		ug/L		103	55 - 141
Chloroform	50.0	50.15		ug/L		100	69 - 130
Chloromethane	50.0	48.17		ug/L		96	58 - 137
2-Chlorotoluene	50.0	47.38		ug/L		95	70 - 130
4-Chlorotoluene	50.0	46.94		ug/L		94	70 - 130
cis-1,2-Dichloroethene	50.0	50.77		ug/L		102	68 - 130
cis-1,3-Dichloropropene	50.0	51.07		ug/L		102	69 - 132
1,2-Dibromo-3-Chloropropane	50.0	45.36		ug/L		91	54 - 135
Dibromomethane	50.0	52.18		ug/L		104	70 - 130
1,2-Dichlorobenzene	50.0	49.04		ug/L		98	67 - 130
1,3-Dichlorobenzene	50.0	48.25		ug/L		97	70 - 130
1,4-Dichlorobenzene	50.0	48.59		ug/L		97	70 - 130
Dichlorobromomethane	50.0	51.23		ug/L		102	67 - 133
1,1-Dichloroethane	50.0	49.54		ug/L		99	70 - 130
1,2-Dichloroethane	50.0	52.30		ug/L		105	69 - 130
1,1-Dichloroethene	50.0	48.28		ug/L		97	63 - 134
1,2-Dichloropropane	50.0	48.92		ug/L		98	70 - 130
1,3-Dichloropropane	50.0	47.50		ug/L		95	70 - 130
2,2-Dichloropropane	50.0	47.14		ug/L		94	52 - 135
1,1-Dichloropropene	50.0	49.03		ug/L		98	70 - 130
Ethyl acetate	100	85.34		ug/L		85	34 - 150
Ethylbenzene	50.0	45.62		ug/L		91	70 - 130
Ethylene Dibromide	50.0	47.23		ug/L		94	70 - 130
Hexachlorobutadiene	50.0	45.61		ug/L		91	53 - 140

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

Lab Sample ID: LCS 400-712147/1002
Matrix: Water
Analysis Batch: 712147

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	48.82		ug/L		98	69 - 130
2-Hexanone	200	194.0		ug/L		97	65 - 137
Iodomethane	50.0	50.83		ug/L		102	27 - 150
Isopropylbenzene	50.0	45.54		ug/L		91	70 - 130
Isopropyl ether	50.0	54.76		ug/L		110	64 - 132
4-Isopropyltoluene	50.0	44.54		ug/L		89	65 - 130
Methylene Chloride	50.0	49.35		ug/L		99	66 - 135
4-Methyl-2-pentanone (MIBK)	200	205.4		ug/L		103	69 - 138
Methyl tert-butyl ether	50.0	48.82		ug/L		98	66 - 130
m-Xylene & p-Xylene	50.0	45.60		ug/L		91	70 - 130
Naphthalene	50.0	49.66		ug/L		99	47 - 149
n-Butylbenzene	50.0	45.29		ug/L		91	67 - 130
n-Heptane	50.0	44.27		ug/L		89	70 - 130
N-Propylbenzene	50.0	46.82		ug/L		94	70 - 130
o-Xylene	50.0	46.32		ug/L		93	70 - 130
sec-Butylbenzene	50.0	46.07		ug/L		92	66 - 130
Styrene	50.0	45.25		ug/L		91	70 - 130
tert-Butylbenzene	50.0	47.03		ug/L		94	64 - 139
1,1,1,2-Tetrachloroethane	50.0	49.89		ug/L		100	67 - 131
1,1,2,2-Tetrachloroethane	50.0	48.45		ug/L		97	70 - 131
Tetrachloroethene	50.0	46.51		ug/L		93	65 - 130
Toluene	50.0	46.11		ug/L		92	70 - 130
trans-1,4-Dichloro-2-butene	50.0	44.02		ug/L		88	57 - 140
trans-1,2-Dichloroethene	50.0	48.79		ug/L		98	70 - 130
trans-1,3-Dichloropropene	50.0	46.96		ug/L		94	63 - 130
1,2,3-Trichlorobenzene	50.0	49.43		ug/L		99	60 - 138
1,2,4-Trichlorobenzene	50.0	49.61		ug/L		99	60 - 140
1,1,1-Trichloroethane	50.0	50.39		ug/L		101	68 - 130
1,1,2-Trichloroethane	50.0	48.82		ug/L		98	70 - 130
Trichloroethene	50.0	50.67		ug/L		101	70 - 130
Trichlorofluoromethane	50.0	54.54		ug/L		109	65 - 138
1,2,3-Trichloropropane	50.0	49.28		ug/L		99	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	51.45		ug/L		103	60 - 139
1,2,4-Trimethylbenzene	50.0	44.74		ug/L		89	70 - 130
1,3,5-Trimethylbenzene	50.0	45.89		ug/L		92	69 - 130
Vinyl acetate	100	106.9		ug/L		107	26 - 150
Vinyl chloride	50.0	57.04		ug/L		114	59 - 136
Xylenes, Total	100	91.92		ug/L		92	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*97*		*56 - 136*
Dibromofluoromethane	*104*		*79 - 130*
1,2-Dichloroethane-d4 (Surr)	*105*		*59 - 146*
Toluene-d8 (Surr)	*97*		*64 - 132*

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

Lab Sample ID: MB 400-712328/5
Matrix: Water
Analysis Batch: 712328

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0	10.0	ug/L			06/11/25 08:15	1
Benzene	ND		1.00	0.500	ug/L			06/11/25 08:15	1
Bromobenzene	ND		1.00	0.540	ug/L			06/11/25 08:15	1
Bromoform	ND		5.00	0.250	ug/L			06/11/25 08:15	1
Bromomethane	ND		1.00	0.980	ug/L			06/11/25 08:15	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/11/25 08:15	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/11/25 08:15	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/11/25 08:15	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/11/25 08:15	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/11/25 08:15	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/11/25 08:15	1
Chloroethane	ND		1.00	0.760	ug/L			06/11/25 08:15	1
Chloroform	ND		1.00	0.900	ug/L			06/11/25 08:15	1
Chloromethane	ND		1.00	0.400	ug/L			06/11/25 08:15	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/11/25 08:15	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/11/25 08:15	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/11/25 08:15	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/11/25 08:15	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/11/25 08:15	1
Dibromomethane	ND		5.00	0.220	ug/L			06/11/25 08:15	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/11/25 08:15	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/11/25 08:15	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/11/25 08:15	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/11/25 08:15	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/11/25 08:15	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/11/25 08:15	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/11/25 08:15	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/11/25 08:15	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/11/25 08:15	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/11/25 08:15	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/11/25 08:15	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/11/25 08:15	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/11/25 08:15	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/11/25 08:15	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			06/11/25 08:15	1
Hexane	ND		1.00	0.960	ug/L			06/11/25 08:15	1
2-Hexanone	ND		25.0	4.26	ug/L			06/11/25 08:15	1
Iodomethane	ND		1.00	0.900	ug/L			06/11/25 08:15	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/11/25 08:15	1
Isopropyl ether	ND		1.00	0.740	ug/L			06/11/25 08:15	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/11/25 08:15	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/11/25 08:15	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/11/25 08:15	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/11/25 08:15	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/11/25 08:15	1
Naphthalene	ND		5.00	3.00	ug/L			06/11/25 08:15	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/11/25 08:15	1
n-Heptane	ND		1.00	0.210	ug/L			06/11/25 08:15	1

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

Lab Sample ID: MB 400-712328/5
Matrix: Water
Analysis Batch: 712328

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		1.00	0.690	ug/L			06/11/25 08:15	1
o-Xylene	ND		5.00	3.00	ug/L			06/11/25 08:15	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/11/25 08:15	1
Styrene	ND		1.00	1.00	ug/L			06/11/25 08:15	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/11/25 08:15	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/11/25 08:15	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/11/25 08:15	1
Tetrachloroethene	ND		1.00	0.330	ug/L			06/11/25 08:15	1
Toluene	ND		1.00	0.900	ug/L			06/11/25 08:15	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/11/25 08:15	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/11/25 08:15	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/11/25 08:15	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/11/25 08:15	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/11/25 08:15	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/11/25 08:15	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/11/25 08:15	1
Trichloroethene	ND		1.00	0.150	ug/L			06/11/25 08:15	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			06/11/25 08:15	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/11/25 08:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/11/25 08:15	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/11/25 08:15	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/11/25 08:15	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/11/25 08:15	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/11/25 08:15	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/11/25 08:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*56 - 136*		*06/11/25 08:15*	*1*
Dibromofluoromethane	*102*		*79 - 130*		*06/11/25 08:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*59 - 146*		*06/11/25 08:15*	*1*
Toluene-d8 (Surr)	*91*		*64 - 132*		*06/11/25 08:15*	*1*

Lab Sample ID: LCS 400-712328/1002
Matrix: Water
Analysis Batch: 712328

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	254.3		ug/L		127	43 - 150
Benzene	50.0	50.14		ug/L		100	70 - 130
Bromobenzene	50.0	50.80		ug/L		102	70 - 132
Bromoform	50.0	48.01		ug/L		96	57 - 140
Bromomethane	50.0	47.85		ug/L		96	10 - 150
2-Butanone (MEK)	200	241.9		ug/L		121	61 - 145
Carbon disulfide	50.0	43.08		ug/L		86	61 - 137
Carbon tetrachloride	50.0	53.64		ug/L		107	61 - 137
Chlorobenzene	50.0	50.86		ug/L		102	70 - 130
Chlorobromomethane	50.0	54.61		ug/L		109	70 - 130
Chlorodibromomethane	50.0	50.96		ug/L		102	67 - 135

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

Lab Sample ID: LCS 400-712328/1002
Matrix: Water
Analysis Batch: 712328

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	45.64		ug/L		91	55 - 141
Chloroform	50.0	51.60		ug/L		103	69 - 130
Chloromethane	50.0	41.64		ug/L		83	58 - 137
2-Chlorotoluene	50.0	47.71		ug/L		95	70 - 130
4-Chlorotoluene	50.0	46.86		ug/L		94	70 - 130
cis-1,2-Dichloroethene	50.0	52.49		ug/L		105	68 - 130
cis-1,3-Dichloropropene	50.0	52.56		ug/L		105	69 - 132
1,2-Dibromo-3-Chloropropane	50.0	45.48		ug/L		91	54 - 135
Dibromomethane	50.0	54.84		ug/L		110	70 - 130
1,2-Dichlorobenzene	50.0	51.97		ug/L		104	67 - 130
1,3-Dichlorobenzene	50.0	50.73		ug/L		101	70 - 130
1,4-Dichlorobenzene	50.0	51.22		ug/L		102	70 - 130
Dichlorobromomethane	50.0	53.08		ug/L		106	67 - 133
1,1-Dichloroethane	50.0	51.95		ug/L		104	70 - 130
1,2-Dichloroethane	50.0	54.48		ug/L		109	69 - 130
1,1-Dichloroethene	50.0	49.98		ug/L		100	63 - 134
1,2-Dichloropropane	50.0	49.90		ug/L		100	70 - 130
1,3-Dichloropropane	50.0	50.13		ug/L		100	70 - 130
2,2-Dichloropropane	50.0	48.64		ug/L		97	52 - 135
1,1-Dichloropropene	50.0	49.51		ug/L		99	70 - 130
Ethyl acetate	100	91.16		ug/L		91	34 - 150
Ethylbenzene	50.0	48.25		ug/L		97	70 - 130
Ethylene Dibromide	50.0	50.55		ug/L		101	70 - 130
Hexachlorobutadiene	50.0	47.82		ug/L		96	53 - 140
Hexane	50.0	49.98		ug/L		100	69 - 130
2-Hexanone	200	201.7		ug/L		101	65 - 137
Iodomethane	50.0	49.98		ug/L		100	27 - 150
Isopropylbenzene	50.0	48.54		ug/L		97	70 - 130
Isopropyl ether	50.0	46.50		ug/L		93	64 - 132
4-Isopropyltoluene	50.0	47.83		ug/L		96	65 - 130
Methylene Chloride	50.0	52.53		ug/L		105	66 - 135
4-Methyl-2-pentanone (MIBK)	200	209.3		ug/L		105	69 - 138
Methyl tert-butyl ether	50.0	50.57		ug/L		101	66 - 130
m-Xylene & p-Xylene	50.0	48.10		ug/L		96	70 - 130
Naphthalene	50.0	51.36		ug/L		103	47 - 149
n-Butylbenzene	50.0	46.61		ug/L		93	67 - 130
n-Heptane	50.0	45.19		ug/L		90	70 - 130
N-Propylbenzene	50.0	49.62		ug/L		99	70 - 130
o-Xylene	50.0	48.75		ug/L		97	70 - 130
sec-Butylbenzene	50.0	48.83		ug/L		98	66 - 130
Styrene	50.0	47.57		ug/L		95	70 - 130
tert-Butylbenzene	50.0	46.25		ug/L		92	64 - 139
1,1,1,2-Tetrachloroethane	50.0	52.65		ug/L		105	67 - 131
1,1,2,2-Tetrachloroethane	50.0	50.35		ug/L		101	70 - 131
Tetrachloroethene	50.0	49.98		ug/L		100	65 - 130
Toluene	50.0	47.99		ug/L		96	70 - 130
trans-1,4-Dichloro-2-butene	50.0	46.36		ug/L		93	57 - 140
trans-1,2-Dichloroethene	50.0	50.40		ug/L		101	70 - 130
trans-1,3-Dichloropropene	50.0	49.79		ug/L		100	63 - 130

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

Lab Sample ID: LCS 400-712328/1002
Matrix: Water
Analysis Batch: 712328

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	52.33		ug/L		105	60 - 138
1,2,4-Trichlorobenzene	50.0	51.91		ug/L		104	60 - 140
1,1,1-Trichloroethane	50.0	51.86		ug/L		104	68 - 130
1,1,2-Trichloroethane	50.0	50.88		ug/L		102	70 - 130
Trichloroethene	50.0	52.71		ug/L		105	70 - 130
Trichlorofluoromethane	50.0	47.73		ug/L		95	65 - 138
1,2,3-Trichloropropane	50.0	50.22		ug/L		100	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	53.37		ug/L		107	60 - 139
1,2,4-Trimethylbenzene	50.0	46.73		ug/L		93	70 - 130
1,3,5-Trimethylbenzene	50.0	48.08		ug/L		96	69 - 130
Vinyl acetate	100	97.22		ug/L		97	26 - 150
Vinyl chloride	50.0	48.75		ug/L		97	59 - 136
Xylenes, Total	100	96.85		ug/L		97	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*56 - 136*
Dibromofluoromethane	*105*		*79 - 130*
1,2-Dichloroethane-d4 (Surr)	*107*		*59 - 146*
Toluene-d8 (Surr)	*98*		*64 - 132*

Lab Sample ID: 400-276828-8 MS
Matrix: Water
Analysis Batch: 712328

Client Sample ID: SW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND	F1	200	78.48	F1	ug/L		39	43 - 150
Benzene	ND		50.0	39.81		ug/L		80	56 - 142
Bromobenzene	ND	F2	50.0	33.42		ug/L		67	59 - 136
Bromoform	ND		50.0	35.98		ug/L		72	50 - 140
Bromomethane	ND		50.0	51.02		ug/L		102	10 - 150
2-Butanone (MEK)	ND		200	118.8		ug/L		59	55 - 150
Carbon disulfide	ND		50.0	33.89		ug/L		68	48 - 150
Carbon tetrachloride	ND		50.0	42.22		ug/L		84	55 - 145
Chlorobenzene	ND	F2	50.0	34.30		ug/L		69	64 - 130
Chlorobromomethane	ND		50.0	44.90		ug/L		90	64 - 140
Chlorodibromomethane	ND		50.0	37.87		ug/L		76	56 - 143
Chloroethane	ND		50.0	44.80		ug/L		90	50 - 150
Chloroform	ND		50.0	41.43		ug/L		83	60 - 141
Chloromethane	ND		50.0	39.98		ug/L		80	49 - 148
2-Chlorotoluene	ND	F2	50.0	30.25		ug/L		61	53 - 134
4-Chlorotoluene	ND	F2	50.0	29.68		ug/L		59	54 - 133
cis-1,2-Dichloroethene	ND		50.0	41.62		ug/L		83	59 - 143
cis-1,3-Dichloropropene	ND		50.0	40.51		ug/L		81	57 - 140
1,2-Dibromo-3-Chloropropane	ND		50.0	35.16		ug/L		70	45 - 135
Dibromomethane	ND		50.0	43.63		ug/L		87	63 - 138
1,2-Dichlorobenzene	ND	F2	50.0	32.84		ug/L		66	52 - 137
1,3-Dichlorobenzene	ND	F2	50.0	30.94		ug/L		62	54 - 135
1,4-Dichlorobenzene	ND	F2	50.0	30.88		ug/L		62	53 - 135

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

Lab Sample ID: 400-276828-8 MS
Matrix: Water
Analysis Batch: 712328

Client Sample ID: SW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorobromomethane	ND		50.0	40.72		ug/L		81	59 - 143
1,1-Dichloroethane	ND		50.0	41.69		ug/L		83	61 - 144
1,2-Dichloroethane	ND		50.0	44.79		ug/L		90	60 - 141
1,1-Dichloroethene	ND		50.0	40.25		ug/L		80	54 - 147
1,2-Dichloropropane	ND		50.0	39.87		ug/L		80	66 - 137
1,3-Dichloropropane	ND		50.0	39.85		ug/L		80	66 - 133
2,2-Dichloropropane	ND		50.0	38.08		ug/L		76	42 - 144
1,1-Dichloropropene	ND		50.0	38.52		ug/L		77	65 - 136
Ethyl acetate	ND		100	73.26		ug/L		73	34 - 150
Ethylbenzene	ND	F2	50.0	31.55		ug/L		63	58 - 131
Ethylene Dibromide	ND		50.0	38.70		ug/L		77	64 - 132
Hexachlorobutadiene	ND	F2	50.0	23.32		ug/L		47	31 - 149
Hexane	ND		50.0	39.45		ug/L		79	60 - 142
2-Hexanone	ND	F1	200	105.3	F1	ug/L		53	65 - 140
Iodomethane	ND		50.0	39.51		ug/L		79	20 - 150
Isopropylbenzene	ND	F2	50.0	29.85		ug/L		60	56 - 133
Isopropyl ether	ND		50.0	42.98		ug/L		86	60 - 144
4-Isopropyltoluene	ND	F2	50.0	25.28		ug/L		51	48 - 139
Methylene Chloride	ND		50.0	41.23		ug/L		82	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	169.3		ug/L		85	63 - 146
Methyl tert-butyl ether	ND		50.0	41.10		ug/L		82	59 - 137
m-Xylene & p-Xylene	ND	F2	50.0	30.35		ug/L		61	57 - 130
Naphthalene	ND		50.0	36.90		ug/L		74	25 - 150
n-Butylbenzene	ND	F2	50.0	24.16		ug/L		48	41 - 142
n-Heptane	ND		50.0	33.59		ug/L		67	64 - 142
N-Propylbenzene	ND	F2	50.0	27.67		ug/L		55	51 - 138
o-Xylene	ND	F2	50.0	32.08		ug/L		64	61 - 130
sec-Butylbenzene	ND	F2	50.0	26.99		ug/L		54	50 - 138
Styrene	ND	F2	50.0	31.11		ug/L		62	58 - 131
tert-Butylbenzene	ND	F2	50.0	27.22		ug/L		54	54 - 146
1,1,1,2-Tetrachloroethane	ND	F2	50.0	37.58		ug/L		75	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	38.92		ug/L		78	66 - 135
Tetrachloroethene	ND	F2	50.0	33.11		ug/L		66	52 - 133
Toluene	ND	F2	50.0	33.80		ug/L		68	65 - 130
trans-1,4-Dichloro-2-butene	ND		50.0	35.33		ug/L		71	43 - 147
trans-1,2-Dichloroethene	ND		50.0	40.03		ug/L		80	61 - 143
trans-1,3-Dichloropropene	ND		50.0	35.59		ug/L		71	53 - 133
1,2,3-Trichlorobenzene	ND	F2	50.0	32.69		ug/L		65	43 - 145
1,2,4-Trichlorobenzene	ND	F2	50.0	30.80		ug/L		62	39 - 148
1,1,1-Trichloroethane	ND		50.0	41.23		ug/L		82	57 - 142
1,1,2-Trichloroethane	ND		50.0	40.66		ug/L		81	66 - 131
Trichloroethene	ND		50.0	39.57		ug/L		79	64 - 136
Trichlorofluoromethane	ND		50.0	48.30		ug/L		97	54 - 150
1,2,3-Trichloropropane	ND		50.0	40.68		ug/L		81	65 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50.0	43.80		ug/L		88	55 - 150
1,2,4-Trimethylbenzene	ND	F2	50.0	26.79		ug/L		54	50 - 139
1,3,5-Trimethylbenzene	ND	F2	50.0	27.90		ug/L		56	52 - 135
Vinyl acetate	ND		100	95.73		ug/L		96	26 - 150

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

Lab Sample ID: 400-276828-8 MS
Matrix: Water
Analysis Batch: 712328

Client Sample ID: SW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl chloride	ND		50.0	47.08		ug/L		94	46 - 150
Xylenes, Total	ND	F2	100	62.43		ug/L		62	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*95*		*56 - 136*
Dibromofluoromethane	*103*		*79 - 130*
1,2-Dichloroethane-d4 (Surr)	*108*		*59 - 146*
Toluene-d8 (Surr)	*95*		*64 - 132*

Lab Sample ID: 400-276828-8 MSD
Matrix: Water
Analysis Batch: 712328

Client Sample ID: SW-3
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	F1	200	92.97		ug/L		46	43 - 150	17	30
Benzene	ND		50.0	50.10		ug/L		100	56 - 142	23	30
Bromobenzene	ND	F2	50.0	47.99	F2	ug/L		96	59 - 136	36	30
Bromoform	ND		50.0	46.81		ug/L		94	50 - 140	26	30
Bromomethane	ND		50.0	59.57		ug/L		119	10 - 150	15	50
2-Butanone (MEK)	ND		200	140.2		ug/L		70	55 - 150	17	30
Carbon disulfide	ND		50.0	42.54		ug/L		85	48 - 150	23	30
Carbon tetrachloride	ND		50.0	53.35		ug/L		107	55 - 145	23	30
Chlorobenzene	ND	F2	50.0	49.22	F2	ug/L		98	64 - 130	36	30
Chlorobromomethane	ND		50.0	54.61		ug/L		109	64 - 140	20	30
Chlorodibromomethane	ND		50.0	51.37		ug/L		103	56 - 143	30	30
Chloroethane	ND		50.0	51.35		ug/L		103	50 - 150	14	30
Chloroform	ND		50.0	51.96		ug/L		104	60 - 141	23	30
Chloromethane	ND		50.0	46.47		ug/L		93	49 - 148	15	31
2-Chlorotoluene	ND	F2	50.0	45.65	F2	ug/L		91	53 - 134	41	30
4-Chlorotoluene	ND	F2	50.0	42.86	F2	ug/L		86	54 - 133	36	30
cis-1,2-Dichloroethene	ND		50.0	51.17		ug/L		102	59 - 143	21	30
cis-1,3-Dichloropropene	ND		50.0	51.42		ug/L		103	57 - 140	24	30
1,2-Dibromo-3-Chloropropane	ND		50.0	42.68		ug/L		85	45 - 135	19	30
Dibromomethane	ND		50.0	53.68		ug/L		107	63 - 138	21	30
1,2-Dichlorobenzene	ND	F2	50.0	48.25	F2	ug/L		96	52 - 137	38	30
1,3-Dichlorobenzene	ND	F2	50.0	47.48	F2	ug/L		95	54 - 135	42	30
1,4-Dichlorobenzene	ND	F2	50.0	47.17	F2	ug/L		94	53 - 135	42	30
Dichlorobromomethane	ND		50.0	52.00		ug/L		104	59 - 143	24	30
1,1-Dichloroethane	ND		50.0	50.92		ug/L		102	61 - 144	20	30
1,2-Dichloroethane	ND		50.0	55.74		ug/L		111	60 - 141	22	30
1,1-Dichloroethene	ND		50.0	50.15		ug/L		100	54 - 147	22	30
1,2-Dichloropropane	ND		50.0	48.95		ug/L		98	66 - 137	20	30
1,3-Dichloropropane	ND		50.0	49.41		ug/L		99	66 - 133	21	30
2,2-Dichloropropane	ND		50.0	47.95		ug/L		96	42 - 144	23	31
1,1-Dichloropropene	ND		50.0	49.11		ug/L		98	65 - 136	24	30
Ethyl acetate	ND		100	88.38		ug/L		88	34 - 150	19	30
Ethylbenzene	ND	F2	50.0	46.12	F2	ug/L		92	58 - 131	38	30
Ethylene Dibromide	ND		50.0	51.53		ug/L		103	64 - 132	28	30

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

Lab Sample ID: 400-276828-8 MSD
Matrix: Water
Analysis Batch: 712328

Client Sample ID: SW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Hexachlorobutadiene	ND	F2	50.0	42.84	F2	ug/L		86	31 - 149	59	36
Hexane	ND		50.0	48.81		ug/L		98	60 - 142	21	30
2-Hexanone	ND	F1	200	130.5		ug/L		65	65 - 140	21	30
Iodomethane	ND		50.0	51.73		ug/L		103	20 - 150	27	44
Isopropylbenzene	ND	F2	50.0	46.69	F2	ug/L		93	56 - 133	44	30
Isopropyl ether	ND		50.0	48.56		ug/L		97	60 - 144	12	30
4-Isopropyltoluene	ND	F2	50.0	43.57	F2	ug/L		87	48 - 139	53	30
Methylene Chloride	ND		50.0	49.63		ug/L		99	60 - 146	18	32
4-Methyl-2-pentanone (MIBK)	ND		200	199.2		ug/L		100	63 - 146	16	30
Methyl tert-butyl ether	ND		50.0	49.92		ug/L		100	59 - 137	19	30
m-Xylene & p-Xylene	ND	F2	50.0	46.44	F2	ug/L		93	57 - 130	42	30
Naphthalene	ND		50.0	48.68		ug/L		97	25 - 150	28	30
n-Butylbenzene	ND	F2	50.0	42.84	F2	ug/L		86	41 - 142	56	31
n-Heptane	ND		50.0	43.68		ug/L		87	64 - 142	26	30
N-Propylbenzene	ND	F2	50.0	45.70	F2	ug/L		91	51 - 138	49	30
o-Xylene	ND	F2	50.0	47.51	F2	ug/L		95	61 - 130	39	30
sec-Butylbenzene	ND	F2	50.0	44.95	F2	ug/L		90	50 - 138	50	30
Styrene	ND	F2	50.0	45.81	F2	ug/L		92	58 - 131	38	30
tert-Butylbenzene	ND	F2	50.0	43.56	F2	ug/L		87	54 - 146	46	30
1,1,1,2-Tetrachloroethane	ND	F2	50.0	51.60	F2	ug/L		103	59 - 137	31	30
1,1,2,2-Tetrachloroethane	ND		50.0	48.34		ug/L		97	66 - 135	22	30
Tetrachloroethene	ND	F2	50.0	47.22	F2	ug/L		94	52 - 133	35	30
Toluene	ND	F2	50.0	47.33	F2	ug/L		95	65 - 130	33	30
trans-1,4-Dichloro-2-butene	ND		50.0	44.22		ug/L		88	43 - 147	22	36
trans-1,2-Dichloroethene	ND		50.0	50.22		ug/L		100	61 - 143	23	30
trans-1,3-Dichloropropene	ND		50.0	47.41		ug/L		95	53 - 133	28	30
1,2,3-Trichlorobenzene	ND	F2	50.0	48.25	F2	ug/L		97	43 - 145	38	30
1,2,4-Trichlorobenzene	ND	F2	50.0	47.45	F2	ug/L		95	39 - 148	43	30
1,1,1-Trichloroethane	ND		50.0	52.32		ug/L		105	57 - 142	24	30
1,1,2-Trichloroethane	ND		50.0	51.98		ug/L		104	66 - 131	24	30
Trichloroethene	ND		50.0	51.99		ug/L		104	64 - 136	27	30
Trichlorofluoromethane	ND		50.0	52.54		ug/L		105	54 - 150	8	30
1,2,3-Trichloropropane	ND		50.0	49.80		ug/L		100	65 - 133	20	30
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50.0	53.88		ug/L		108	55 - 150	21	30
1,2,4-Trimethylbenzene	ND	F2	50.0	43.33	F2	ug/L		87	50 - 139	47	30
1,3,5-Trimethylbenzene	ND	F2	50.0	45.50	F2	ug/L		91	52 - 135	48	30
Vinyl acetate	ND		100	111.2		ug/L		111	26 - 150	15	33
Vinyl chloride	ND		50.0	53.46		ug/L		107	46 - 150	13	30
Xylenes, Total	ND	F2	100	93.95	F2	ug/L		94	59 - 130	40	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*96*		*56 - 136*
Dibromofluoromethane	*105*		*79 - 130*
1,2-Dichloroethane-d4 (Surr)	*109*		*59 - 146*
Toluene-d8 (Surr)	*98*		*64 - 132*

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

Lab Sample ID: MB 400-711584/1-A
Matrix: Water
Analysis Batch: 711974

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 711584

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		10.0	0.420	ug/L		06/04/25 07:00	06/07/25 15:34	1
2,4,5-Trichlorophenol	ND		10.0	0.540	ug/L		06/04/25 07:00	06/07/25 15:34	1
2,4,6-Trichlorophenol	ND		10.0	1.09	ug/L		06/04/25 07:00	06/07/25 15:34	1
2,4-Dichlorophenol	ND		10.0	0.570	ug/L		06/04/25 07:00	06/07/25 15:34	1
2,4-Dimethylphenol	ND		10.0	0.240	ug/L		06/04/25 07:00	06/07/25 15:34	1
2,4-Dinitrophenol	ND		30.0	4.68	ug/L		06/04/25 07:00	06/07/25 15:34	1
2,4-Dinitrotoluene	ND		10.0	0.650	ug/L		06/04/25 07:00	06/07/25 15:34	1
2,6-Dinitrotoluene	ND		10.0	0.290	ug/L		06/04/25 07:00	06/07/25 15:34	1
2-Chloronaphthalene	ND		10.0	0.380	ug/L		06/04/25 07:00	06/07/25 15:34	1
2-Chlorophenol	ND		10.0	0.840	ug/L		06/04/25 07:00	06/07/25 15:34	1
2-Methylnaphthalene	ND		10.0	0.810	ug/L		06/04/25 07:00	06/07/25 15:34	1
2-Methylphenol	ND		10.0	0.760	ug/L		06/04/25 07:00	06/07/25 15:34	1
2-Nitroaniline	ND		10.0	1.37	ug/L		06/04/25 07:00	06/07/25 15:34	1
2-Nitrophenol	ND		10.0	1.17	ug/L		06/04/25 07:00	06/07/25 15:34	1
3 & 4 Methylphenol	ND		20.0	4.60	ug/L		06/04/25 07:00	06/07/25 15:34	1
3,3'-Dichlorobenzidine	ND		11.0	0.410	ug/L		06/04/25 07:00	06/07/25 15:34	1
3-Nitroaniline	ND		10.0	0.950	ug/L		06/04/25 07:00	06/07/25 15:34	1
4,6-Dinitro-2-methylphenol	ND		10.0	1.97	ug/L		06/04/25 07:00	06/07/25 15:34	1
4-Bromophenyl phenyl ether	ND		10.0	0.130	ug/L		06/04/25 07:00	06/07/25 15:34	1
4-Chloro-3-methylphenol	ND		10.0	0.730	ug/L		06/04/25 07:00	06/07/25 15:34	1
4-Chloroaniline	ND		10.0	0.280	ug/L		06/04/25 07:00	06/07/25 15:34	1
4-Chlorophenyl phenyl ether	ND		10.0	0.240	ug/L		06/04/25 07:00	06/07/25 15:34	1
4-Nitroaniline	ND		10.0	3.50	ug/L		06/04/25 07:00	06/07/25 15:34	1
4-Nitrophenol	ND		10.0	2.74	ug/L		06/04/25 07:00	06/07/25 15:34	1
Acenaphthene	ND		10.0	0.630	ug/L		06/04/25 07:00	06/07/25 15:34	1
Acenaphthylene	ND		10.0	0.760	ug/L		06/04/25 07:00	06/07/25 15:34	1
Acetophenone	ND		10.0	3.20	ug/L		06/04/25 07:00	06/07/25 15:34	1
Anthracene	ND		10.0	0.910	ug/L		06/04/25 07:00	06/07/25 15:34	1
Atrazine	ND		10.0	1.13	ug/L		06/04/25 07:00	06/07/25 15:34	1
Benzaldehyde	ND		10.0	0.670	ug/L		06/04/25 07:00	06/07/25 15:34	1
Benzo[a]anthracene	ND		10.0	1.00	ug/L		06/04/25 07:00	06/07/25 15:34	1
Benzo[a]pyrene	ND		10.0	1.10	ug/L		06/04/25 07:00	06/07/25 15:34	1
Benzo[b]fluoranthene	ND		10.0	1.20	ug/L		06/04/25 07:00	06/07/25 15:34	1
Benzo[g,h,i]perylene	ND		10.0	1.50	ug/L		06/04/25 07:00	06/07/25 15:34	1
Benzo[k]fluoranthene	ND		10.0	1.50	ug/L		06/04/25 07:00	06/07/25 15:34	1
bis (2-chloroisopropyl) ether	ND		10.0	0.930	ug/L		06/04/25 07:00	06/07/25 15:34	1
Bis(2-chloroethoxy)methane	ND		10.0	0.340	ug/L		06/04/25 07:00	06/07/25 15:34	1
Bis(2-chloroethyl)ether	ND		10.0	0.730	ug/L		06/04/25 07:00	06/07/25 15:34	1
Bis(2-ethylhexyl) phthalate	ND		10.0	4.00	ug/L		06/04/25 07:00	06/07/25 15:34	1
Butyl benzyl phthalate	ND		10.0	4.00	ug/L		06/04/25 07:00	06/07/25 15:34	1
Caprolactam	ND		10.0	2.40	ug/L		06/04/25 07:00	06/07/25 15:34	1
Carbazole	ND		10.0	0.320	ug/L		06/04/25 07:00	06/07/25 15:34	1
Chrysene	ND		10.0	1.20	ug/L		06/04/25 07:00	06/07/25 15:34	1
Dibenz(a,h)anthracene	ND		10.0	1.30	ug/L		06/04/25 07:00	06/07/25 15:34	1
Dibenzofuran	ND		10.0	0.640	ug/L		06/04/25 07:00	06/07/25 15:34	1
Diethyl phthalate	ND		10.0	4.00	ug/L		06/04/25 07:00	06/07/25 15:34	1
Dimethyl phthalate	ND		10.0	4.00	ug/L		06/04/25 07:00	06/07/25 15:34	1
Di-n-butyl phthalate	ND		10.0	4.00	ug/L		06/04/25 07:00	06/07/25 15:34	1

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

Lab Sample ID: MB 400-711584/1-A
Matrix: Water
Analysis Batch: 711974

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 711584

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	ND		10.0	4.00	ug/L		06/04/25 07:00	06/07/25 15:34	1
Fluoranthene	ND		10.0	0.630	ug/L		06/04/25 07:00	06/07/25 15:34	1
Fluorene	ND		10.0	0.670	ug/L		06/04/25 07:00	06/07/25 15:34	1
Hexachlorobenzene	ND		10.0	0.250	ug/L		06/04/25 07:00	06/07/25 15:34	1
Hexachlorobutadiene	ND		10.0	0.550	ug/L		06/04/25 07:00	06/07/25 15:34	1
Hexachlorocyclopentadiene	ND		20.0	0.320	ug/L		06/04/25 07:00	06/07/25 15:34	1
Hexachloroethane	ND		10.0	0.530	ug/L		06/04/25 07:00	06/07/25 15:34	1
Indeno[1,2,3-cd]pyrene	ND		10.0	1.10	ug/L		06/04/25 07:00	06/07/25 15:34	1
Isophorone	ND		10.0	0.800	ug/L		06/04/25 07:00	06/07/25 15:34	1
Naphthalene	ND		10.0	0.750	ug/L		06/04/25 07:00	06/07/25 15:34	1
Nitrobenzene	ND		10.0	0.600	ug/L		06/04/25 07:00	06/07/25 15:34	1
N-Nitrosodi-n-propylamine	ND		10.0	0.330	ug/L		06/04/25 07:00	06/07/25 15:34	1
N-Nitrosodiphenylamine	ND		10.0	0.190	ug/L		06/04/25 07:00	06/07/25 15:34	1
Pentachlorophenol	ND		10.0	2.80	ug/L		06/04/25 07:00	06/07/25 15:34	1
Phenanthrene	ND		10.0	0.740	ug/L		06/04/25 07:00	06/07/25 15:34	1
Phenol	ND		10.0	0.680	ug/L		06/04/25 07:00	06/07/25 15:34	1
Pyrene	ND		10.0	0.630	ug/L		06/04/25 07:00	06/07/25 15:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*90*		*10 - 150*	*06/04/25 07:00*	*06/07/25 15:34*	*1*
2-Fluorobiphenyl (Surr)	*83*		*25 - 139*	*06/04/25 07:00*	*06/07/25 15:34*	*1*
2-Fluorophenol (Surr)	*95*		*10 - 150*	*06/04/25 07:00*	*06/07/25 15:34*	*1*
Nitrobenzene-d5 (Surr)	*81*		*22 - 150*	*06/04/25 07:00*	*06/07/25 15:34*	*1*
Phenol-d5 (Surr)	*90*		*10 - 150*	*06/04/25 07:00*	*06/07/25 15:34*	*1*
Terphenyl-d14 (Surr)	*73*		*28 - 150*	*06/04/25 07:00*	*06/07/25 15:34*	*1*

Lab Sample ID: LCS 400-711584/2-A
Matrix: Water
Analysis Batch: 711974

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 711584

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	50.0	33.63		ug/L		67	27 - 120
2,4,5-Trichlorophenol	50.0	45.90		ug/L		92	27 - 136
2,4,6-Trichlorophenol	50.0	49.13		ug/L		98	21 - 132
2,4-Dichlorophenol	50.0	44.80		ug/L		90	30 - 125
2,4-Dimethylphenol	50.0	39.21		ug/L		78	10 - 142
2,4-Dinitrophenol	100	73.81		ug/L		74	10 - 150
2,4-Dinitrotoluene	50.0	47.93		ug/L		96	30 - 129
2,6-Dinitrotoluene	50.0	48.04		ug/L		96	34 - 132
2-Chloronaphthalene	50.0	34.81		ug/L		70	10 - 150
2-Chlorophenol	50.0	47.16		ug/L		94	28 - 127
2-Methylnaphthalene	50.0	33.91		ug/L		68	24 - 110
2-Methylphenol	50.0	44.15		ug/L		88	11 - 121
2-Nitroaniline	50.0	55.28		ug/L		111	31 - 141
2-Nitrophenol	50.0	51.44		ug/L		103	31 - 142
3 & 4 Methylphenol	50.0	47.50		ug/L		95	10 - 150
3,3'-Dichlorobenzidine	66.7	46.36		ug/L		70	10 - 150
3-Nitroaniline	50.0	48.13		ug/L		96	33 - 136

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

Lab Sample ID: LCS 400-711584/2-A
Matrix: Water
Analysis Batch: 711974

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 711584

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,6-Dinitro-2-methylphenol	100	85.02		ug/L		85	10 - 150
4-Bromophenyl phenyl ether	50.0	37.98		ug/L		76	24 - 120
4-Chloro-3-methylphenol	50.0	47.93		ug/L		96	10 - 137
4-Chloroaniline	50.0	47.35		ug/L		95	10 - 150
4-Chlorophenyl phenyl ether	50.0	40.12		ug/L		80	31 - 110
4-Nitroaniline	50.0	46.52		ug/L		93	37 - 139
4-Nitrophenol	100	133.8	E	ug/L		134	10 - 150
Acenaphthene	50.0	36.38		ug/L		73	29 - 110
Acenaphthylene	50.0	38.01		ug/L		76	30 - 112
Acetophenone	50.0	41.56		ug/L		83	27 - 119
Anthracene	50.0	40.87		ug/L		82	31 - 120
Atrazine	50.0	47.28		ug/L		95	10 - 150
Benzaldehyde	50.0	37.77		ug/L		76	10 - 150
Benzo[a]anthracene	50.0	42.55		ug/L		85	36 - 118
Benzo[a]pyrene	50.0	40.68		ug/L		81	29 - 120
Benzo[b]fluoranthene	50.0	40.17		ug/L		80	32 - 119
Benzo[g,h,i]perylene	50.0	37.88		ug/L		76	28 - 115
Benzo[k]fluoranthene	50.0	41.31		ug/L		83	30 - 118
bis (2-chloroisopropyl) ether	50.0	39.58		ug/L		79	32 - 115
Bis(2-chloroethoxy)methane	50.0	42.36		ug/L		85	34 - 120
Bis(2-chloroethyl)ether	50.0	41.81		ug/L		84	32 - 114
Bis(2-ethylhexyl) phthalate	50.0	39.80		ug/L		80	24 - 133
Butyl benzyl phthalate	50.0	30.16		ug/L		60	24 - 140
Caprolactam	50.0	34.99		ug/L		70	10 - 150
Carbazole	50.0	42.49		ug/L		85	28 - 123
Chrysene	50.0	42.24		ug/L		84	34 - 113
Dibenz(a,h)anthracene	50.0	39.17		ug/L		78	29 - 117
Dibenzofuran	50.0	39.85		ug/L		80	35 - 110
Diethyl phthalate	50.0	29.14		ug/L		58	31 - 118
Dimethyl phthalate	50.0	30.00		ug/L		60	24 - 125
Di-n-butyl phthalate	50.0	31.95		ug/L		64	30 - 127
Di-n-octyl phthalate	50.0	38.36		ug/L		77	28 - 142
Fluoranthene	50.0	42.80		ug/L		86	30 - 124
Fluorene	50.0	38.59		ug/L		77	30 - 118
Hexachlorobenzene	50.0	38.97		ug/L		78	29 - 113
Hexachlorobutadiene	50.0	29.24		ug/L		58	10 - 117
Hexachlorocyclopentadiene	50.0	21.72		ug/L		43	10 - 150
Hexachloroethane	50.0	27.33		ug/L		55	10 - 112
Indeno[1,2,3-cd]pyrene	50.0	37.76		ug/L		76	28 - 115
Isophorone	50.0	40.42		ug/L		81	29 - 125
Naphthalene	50.0	36.86		ug/L		74	27 - 110
Nitrobenzene	50.0	42.26		ug/L		85	29 - 129
N-Nitrosodi-n-propylamine	50.0	41.87		ug/L		84	53 - 134
N-Nitrosodiphenylamine	49.6	46.20		ug/L		93	62 - 132
Pentachlorophenol	100	95.09		ug/L		95	14 - 150
Phenanthrene	50.0	39.01		ug/L		78	32 - 115
Phenol	50.0	57.01		ug/L		114	10 - 150
Pyrene	50.0	43.82		ug/L		88	30 - 126

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

Lab Sample ID: LCS 400-711584/2-A
Matrix: Water
Analysis Batch: 711974

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 711584

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*87*		*10 - 150*
2-Fluorobiphenyl (Surr)	*75*		*25 - 139*
2-Fluorophenol (Surr)	*89*		*10 - 150*
Nitrobenzene-d5 (Surr)	*79*		*22 - 150*
Phenol-d5 (Surr)	*100*		*10 - 150*
Terphenyl-d14 (Surr)	*70*		*28 - 150*

Lab Sample ID: LCSD 400-711584/3-A
Matrix: Water
Analysis Batch: 711974

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 711584

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl			50.0	33.77		ug/L		68	27 - 120	0	40
2,4,5-Trichlorophenol			50.0	47.12		ug/L		94	27 - 136	3	40
2,4,6-Trichlorophenol			50.0	50.30		ug/L		101	21 - 132	2	40
2,4-Dichlorophenol			50.0	47.34		ug/L		95	30 - 125	6	40
2,4-Dimethylphenol			50.0	40.76		ug/L		82	10 - 142	4	40
2,4-Dinitrophenol			100	78.11		ug/L		78	10 - 150	6	40
2,4-Dinitrotoluene			50.0	48.93		ug/L		98	30 - 129	2	40
2,6-Dinitrotoluene			50.0	49.04		ug/L		98	34 - 132	2	40
2-Chloronaphthalene			50.0	34.33		ug/L		69	10 - 150	1	40
2-Chlorophenol			50.0	51.18		ug/L		102	28 - 127	8	40
2-Methylnaphthalene			50.0	32.83		ug/L		66	24 - 110	3	40
2-Methylphenol			50.0	49.08		ug/L		98	11 - 121	11	40
2-Nitroaniline			50.0	57.20		ug/L		114	31 - 141	3	40
2-Nitrophenol			50.0	53.64		ug/L		107	31 - 142	4	40
3 & 4 Methylphenol			50.0	52.58		ug/L		105	10 - 150	10	40
3,3'-Dichlorobenzidine			66.7	49.56		ug/L		74	10 - 150	7	40
3-Nitroaniline			50.0	48.45		ug/L		97	33 - 136	1	40
4,6-Dinitro-2-methylphenol			100	87.18		ug/L		87	10 - 150	3	40
4-Bromophenyl phenyl ether			50.0	40.14		ug/L		80	24 - 120	6	40
4-Chloro-3-methylphenol			50.0	49.07		ug/L		98	10 - 137	2	40
4-Chloroaniline			50.0	47.27		ug/L		95	10 - 150	0	40
4-Chlorophenyl phenyl ether			50.0	40.38		ug/L		81	31 - 110	1	40
4-Nitroaniline			50.0	47.80		ug/L		96	37 - 139	3	40
4-Nitrophenol			100	132.6		ug/L		133	10 - 150	1	40
Acenaphthene			50.0	36.90		ug/L		74	29 - 110	1	40
Acenaphthylene			50.0	38.83		ug/L		78	30 - 112	2	40
Acetophenone			50.0	45.05		ug/L		90	27 - 119	8	40
Anthracene			50.0	43.23		ug/L		86	31 - 120	6	40
Atrazine			50.0	46.98		ug/L		94	10 - 150	1	40
Benzaldehyde			50.0	40.87		ug/L		82	10 - 150	8	40
Benzo[a]anthracene			50.0	44.01		ug/L		88	36 - 118	3	40
Benzo[a]pyrene			50.0	44.60		ug/L		89	29 - 120	9	40
Benzo[b]fluoranthene			50.0	43.73		ug/L		87	32 - 119	8	40
Benzo[g,h,i]perylene			50.0	41.63		ug/L		83	28 - 115	9	40
Benzo[k]fluoranthene			50.0	44.97		ug/L		90	30 - 118	8	40
bis (2-chloroisopropyl) ether			50.0	42.91		ug/L		86	32 - 115	8	40

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

Lab Sample ID: LCSD 400-711584/3-A
Matrix: Water
Analysis Batch: 711974

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 711584

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bis(2-chloroethoxy)methane			50.0	42.69		ug/L		85	34 - 120	1	40
Bis(2-chloroethyl)ether			50.0	45.08		ug/L		90	32 - 114	8	40
Bis(2-ethylhexyl) phthalate			50.0	40.93		ug/L		82	24 - 133	3	40
Butyl benzyl phthalate			50.0	33.19		ug/L		66	24 - 140	10	40
Caprolactam			50.0	33.83		ug/L		68	10 - 150	3	40
Carbazole			50.0	44.35		ug/L		89	28 - 123	4	40
Chrysene			50.0	43.63		ug/L		87	34 - 113	3	40
Dibenz(a,h)anthracene			50.0	43.10		ug/L		86	29 - 117	10	40
Dibenzofuran			50.0	39.91		ug/L		80	35 - 110	0	40
Diethyl phthalate			50.0	30.71		ug/L		61	31 - 118	5	40
Dimethyl phthalate			50.0	31.00		ug/L		62	24 - 125	3	40
Di-n-butyl phthalate			50.0	35.08		ug/L		70	30 - 127	9	40
Di-n-octyl phthalate			50.0	39.26		ug/L		79	28 - 142	2	40
Fluoranthene			50.0	44.32		ug/L		89	30 - 124	4	40
Fluorene			50.0	39.64		ug/L		79	30 - 118	3	40
Hexachlorobenzene			50.0	41.11		ug/L		82	29 - 113	5	40
Hexachlorobutadiene			50.0	26.75		ug/L		54	10 - 117	9	40
Hexachlorocyclopentadiene			50.0	20.26		ug/L		41	10 - 150	7	40
Hexachloroethane			50.0	27.54		ug/L		55	10 - 112	1	40
Indeno[1,2,3-cd]pyrene			50.0	41.77		ug/L		84	28 - 115	10	40
Isophorone			50.0	44.19		ug/L		88	29 - 125	9	40
Naphthalene			50.0	35.92		ug/L		72	27 - 110	3	40
Nitrobenzene			50.0	46.64		ug/L		93	29 - 129	10	40
N-Nitrosodi-n-propylamine			50.0	46.67		ug/L		93	53 - 134	11	40
N-Nitrosodiphenylamine			49.6	46.48		ug/L		94	62 - 132	1	40
Pentachlorophenol			100	102.5		ug/L		102	14 - 150	7	40
Phenanthrene			50.0	41.17		ug/L		82	32 - 115	5	40
Phenol			50.0	58.47		ug/L		117	10 - 150	3	40
Pyrene			50.0	45.53		ug/L		91	30 - 126	4	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*102*		*10 - 150*
2-Fluorobiphenyl (Surr)	*77*		*25 - 139*
2-Fluorophenol (Surr)	*105*		*10 - 150*
Nitrobenzene-d5 (Surr)	*87*		*22 - 150*
Phenol-d5 (Surr)	*110*		*10 - 150*
Terphenyl-d14 (Surr)	*72*		*28 - 150*

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

Lab Sample ID: MB 400-711916/1-A
Matrix: Water
Analysis Batch: 712788

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 711916

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.300	0.300	ug/L		06/06/25 07:00	06/14/25 12:14	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*19*		*10 - 140*	*06/06/25 07:00*	*06/14/25 12:14*	*1*

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

Lab Sample ID: LCS 400-711916/2-A
Matrix: Water
Analysis Batch: 712788

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 711916

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane			16.0	17.64		ug/L		110	30 - 150		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Dioxane-d8	*19*		*10 - 140*

Lab Sample ID: LCSD 400-711916/3-A
Matrix: Water
Analysis Batch: 712788

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 711916

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane			16.0	17.87		ug/L		112	30 - 150	1	

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,4-Dioxane-d8	*19*		*10 - 140*

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 400-711085/27
Matrix: Water
Analysis Batch: 711085

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.100	0.0630	mg/L			06/01/25 11:05	1

Lab Sample ID: LCS 400-711085/25
Matrix: Water
Analysis Batch: 711085

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate as N			2.26	2.098		mg/L		93	90 - 110		

Lab Sample ID: LCSD 400-711085/10
Matrix: Water
Analysis Batch: 711085

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N			2.26	2.066		mg/L		91	90 - 110	2	15

Lab Sample ID: MB 400-711087/27
Matrix: Water
Analysis Batch: 711087

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		1.00	0.390	mg/L			06/01/25 11:05	1

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

Lab Sample ID: LCS 400-711087/25
Matrix: Water
Analysis Batch: 711087

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	10.0	9.583		mg/L		96	90 - 110

Lab Sample ID: LCSD 400-711087/10
Matrix: Water
Analysis Batch: 711087

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	10.0	9.750		mg/L		98	90 - 110	2	15

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-883157/1-A
Matrix: Water
Analysis Batch: 883230

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 883157

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	0.340	ug/L		06/04/25 05:08	06/04/25 12:34	1
Arsenic	ND		3.00	0.860	ug/L		06/04/25 05:08	06/04/25 12:34	1
Barium	1.235	J	5.00	0.890	ug/L		06/04/25 05:08	06/04/25 12:34	1
Beryllium	ND		0.500	0.200	ug/L		06/04/25 05:08	06/04/25 12:34	1
Cadmium	ND		0.500	0.0780	ug/L		06/04/25 05:08	06/04/25 12:34	1
Chromium	ND		5.00	1.20	ug/L		06/04/25 05:08	06/04/25 12:34	1
Cobalt	ND		0.500	0.220	ug/L		06/04/25 05:08	06/04/25 12:34	1
Copper	ND		5.00	1.08	ug/L		06/04/25 05:08	06/04/25 12:34	1
Lead	ND		2.50	0.210	ug/L		06/04/25 05:08	06/04/25 12:34	1
Manganese	ND		5.00	2.20	ug/L		06/04/25 05:08	06/04/25 12:34	1
Nickel	ND		5.00	0.420	ug/L		06/04/25 05:08	06/04/25 12:34	1
Selenium	ND		2.50	0.990	ug/L		06/04/25 05:08	06/04/25 12:34	1
Silver	ND		1.00	0.390	ug/L		06/04/25 05:08	06/04/25 12:34	1
Thallium	ND		1.00	0.260	ug/L		06/04/25 05:08	06/04/25 12:34	1
Vanadium	ND		10.0	0.630	ug/L		06/04/25 05:08	06/04/25 12:34	1
Zinc	ND		20.0	2.80	ug/L		06/04/25 05:08	06/04/25 12:34	1

Lab Sample ID: LCS 680-883157/2-A
Matrix: Water
Analysis Batch: 883230

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 883157

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	50.0	51.43		ug/L		103	80 - 120
Arsenic	100	102.8		ug/L		103	80 - 120
Barium	100	99.56		ug/L		100	80 - 120
Beryllium	50.0	55.01		ug/L		110	80 - 120
Cadmium	50.0	52.30		ug/L		105	80 - 120
Chromium	100	104.3		ug/L		104	80 - 120
Cobalt	50.0	54.04		ug/L		108	80 - 120
Copper	101	106.8		ug/L		106	80 - 120
Lead	500	505.8		ug/L		101	80 - 120
Manganese	400	412.8		ug/L		103	80 - 120
Nickel	100	107.4		ug/L		107	80 - 120

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

Lab Sample ID: LCS 680-883157/2-A
Matrix: Water
Analysis Batch: 883230

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 883157

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	100	103.5		ug/L		103	80 - 120
Silver	50.0	55.37		ug/L		111	80 - 120
Thallium	50.0	50.90		ug/L		102	80 - 120
Vanadium	100	100.6		ug/L		101	80 - 120
Zinc	100	105.5		ug/L		106	80 - 120

Lab Sample ID: 400-276828-10 MS
Matrix: Water
Analysis Batch: 883230

Client Sample ID: SW-1
Prep Type: Total Recoverable
Prep Batch: 883157

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.470	J	50.0	53.36		ug/L		106	75 - 125
Arsenic	0.980	J	100	106.1		ug/L		105	75 - 125
Barium	44.5		100	147.7		ug/L		103	75 - 125
Beryllium	ND		50.0	55.90		ug/L		112	75 - 125
Cadmium	ND		50.0	54.09		ug/L		108	75 - 125
Chromium	ND		100	107.5		ug/L		108	75 - 125
Cobalt	0.345	J	50.0	54.70		ug/L		109	75 - 125
Copper	9.39		101	117.5		ug/L		107	75 - 125
Lead	5.44		500	522.8		ug/L		103	75 - 125
Manganese	47.4		400	453.3		ug/L		101	75 - 125
Nickel	1.82	J	100	109.0		ug/L		107	75 - 125
Selenium	ND		100	104.5		ug/L		105	75 - 125
Silver	ND		50.0	54.66		ug/L		109	75 - 125
Thallium	ND		50.0	52.06		ug/L		104	75 - 125
Vanadium	2.42	J	100	105.2		ug/L		103	75 - 125
Zinc	23.2		100	129.7		ug/L		106	75 - 125

Lab Sample ID: 400-276828-10 MSD
Matrix: Water
Analysis Batch: 883230

Client Sample ID: SW-1
Prep Type: Total Recoverable
Prep Batch: 883157

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	0.470	J	50.0	53.21		ug/L		105	75 - 125	0	20
Arsenic	0.980	J	100	103.9		ug/L		103	75 - 125	2	20
Barium	44.5		100	147.7		ug/L		103	75 - 125	0	20
Beryllium	ND		50.0	55.52		ug/L		111	75 - 125	1	20
Cadmium	ND		50.0	53.29		ug/L		107	75 - 125	1	20
Chromium	ND		100	105.6		ug/L		106	75 - 125	2	20
Cobalt	0.345	J	50.0	54.24		ug/L		108	75 - 125	1	20
Copper	9.39		101	116.1		ug/L		106	75 - 125	1	20
Lead	5.44		500	514.0		ug/L		102	75 - 125	2	20
Manganese	47.4		400	456.5		ug/L		102	75 - 125	1	20
Nickel	1.82	J	100	108.0		ug/L		106	75 - 125	1	20
Selenium	ND		100	104.4		ug/L		104	75 - 125	0	20
Silver	ND		50.0	55.23		ug/L		110	75 - 125	1	20
Thallium	ND		50.0	51.53		ug/L		103	75 - 125	1	20
Vanadium	2.42	J	100	103.3		ug/L		101	75 - 125	2	20
Zinc	23.2		100	130.1		ug/L		107	75 - 125	0	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-883198/1-A
Matrix: Water
Analysis Batch: 883266

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 883198

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0800	ug/L		06/04/25 12:47	06/05/25 09:08	1

Lab Sample ID: LCS 680-883198/2-A
Matrix: Water
Analysis Batch: 883266

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 883198

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	2.50	2.586		ug/L		103	80 - 120

Lab Sample ID: 400-276828-6 MS
Matrix: Water
Analysis Batch: 883266

Client Sample ID: SW-5
Prep Type: Total/NA
Prep Batch: 883198

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		1.00	1.028		ug/L		103	80 - 120

Lab Sample ID: 400-276828-6 MSD
Matrix: Water
Analysis Batch: 883266

Client Sample ID: SW-5
Prep Type: Total/NA
Prep Batch: 883198

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		1.00	0.9988		ug/L		100	80 - 120	3	20

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 400-712311/60
Matrix: Water
Analysis Batch: 712311

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N)	ND		0.0500	0.0460	mg/L			06/10/25 13:35	1

Lab Sample ID: LCS 400-712311/61
Matrix: Water
Analysis Batch: 712311

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia (as N)	2.99	3.130		mg/L		105	90 - 110

Lab Sample ID: MRL 400-712311/19
Matrix: Water
Analysis Batch: 712311

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia (as N)	0.0498	ND		mg/L		80	50 - 150

Lab Chronicle

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276828-1

Client Sample ID: SW-9

Date Collected: 05/30/25 09:10
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	712023	06/09/25 17:33	WPD	EET PEN
Total/NA	Prep	3511			30.8 mL	2 mL	711584	06/04/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			711974	06/07/25 19:46	JAW	EET PEN
Total/NA	Prep	3510C			262.4 mL	1 mL	711916	06/06/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	712788	06/14/25 13:30	VC1	EET PEN
Total/NA	Analysis	9056A		1			711085	06/01/25 10:56	LHB	EET PEN
Total/NA	Analysis	9056A		1			711087	06/01/25 10:56	AMM	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	883157	06/04/25 05:08	RR	EET SAV
Total Recoverable	Analysis	6020B		1			883230	06/04/25 12:57	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	883198	06/04/25 12:47	MG	EET SAV
Total/NA	Analysis	7470A		1			883266	06/05/25 09:36	BJB	EET SAV
Total/NA	Analysis	350.1		1	10 mL	10 mL	712311	06/10/25 14:01	CAC	EET PEN

Client Sample ID: SW-8

Date Collected: 05/30/25 09:55
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	712023	06/09/25 17:58	WPD	EET PEN
Total/NA	Prep	3511			30.8 mL	2 mL	711584	06/04/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			711974	06/07/25 20:18	JAW	EET PEN
Total/NA	Prep	3510C			254.6 mL	1 mL	711916	06/06/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	712788	06/14/25 13:55	VC1	EET PEN
Total/NA	Analysis	9056A		1			711085	06/01/25 08:32	LHB	EET PEN
Total/NA	Analysis	9056A		1			711087	06/01/25 08:32	AMM	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	883157	06/04/25 05:08	RR	EET SAV
Total Recoverable	Analysis	6020B		1			883230	06/04/25 12:54	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	883198	06/04/25 12:47	MG	EET SAV
Total/NA	Analysis	7470A		1			883266	06/05/25 09:41	BJB	EET SAV
Total/NA	Analysis	350.1		1	10 mL	10 mL	712311	06/10/25 14:14	CAC	EET PEN

Client Sample ID: SW-7

Date Collected: 05/30/25 10:25
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	712023	06/09/25 18:24	WPD	EET PEN
Total/NA	Prep	3511			31 mL	2 mL	711584	06/04/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			711974	06/07/25 20:49	JAW	EET PEN
Total/NA	Prep	3510C			261.2 mL	1 mL	711916	06/06/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	712788	06/14/25 14:21	VC1	EET PEN
Total/NA	Analysis	9056A		1			711085	06/01/25 08:40	LHB	EET PEN
Total/NA	Analysis	9056A		1			711087	06/01/25 08:40	AMM	EET PEN

Lab Chronicle

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276828-1

Client Sample ID: SW-7

Date Collected: 05/30/25 10:25
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	883157	06/04/25 05:08	RR	EET SAV
Total Recoverable	Analysis	6020B		1			883230	06/04/25 13:12	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	883198	06/04/25 12:47	MG	EET SAV
Total/NA	Analysis	7470A		1			883266	06/05/25 09:19	BJB	EET SAV
Total/NA	Analysis	350.1		1	10 mL	10 mL	712311	06/10/25 14:17	CAC	EET PEN

Client Sample ID: SW-6

Date Collected: 05/30/25 11:25
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	712147	06/10/25 08:56	WPD	EET PEN
Total/NA	Prep	3511			30.8 mL	2 mL	711584	06/04/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			711974	06/07/25 21:20	JAW	EET PEN
Total/NA	Prep	3510C			257.6 mL	1 mL	711916	06/06/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	712788	06/14/25 14:46	VC1	EET PEN
Total/NA	Analysis	9056A		1			711085	06/01/25 08:49	LHB	EET PEN
Total/NA	Analysis	9056A		1			711087	06/01/25 08:49	AMM	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	883157	06/04/25 05:08	RR	EET SAV
Total Recoverable	Analysis	6020B		1			883230	06/04/25 12:52	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	883198	06/04/25 12:47	MG	EET SAV
Total/NA	Analysis	7470A		1			883266	06/05/25 09:43	BJB	EET SAV
Total/NA	Analysis	350.1		1	10 mL	10 mL	712311	06/10/25 14:20	CAC	EET PEN

Client Sample ID: SW-DUP

Date Collected: 05/30/25 11:25
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	712147	06/10/25 11:04	WPD	EET PEN
Total/NA	Prep	3511			31 mL	2 mL	711584	06/04/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			711974	06/07/25 21:52	JAW	EET PEN
Total/NA	Prep	3510C			259.6 mL	1 mL	711916	06/06/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	712788	06/14/25 15:11	VC1	EET PEN
Total/NA	Analysis	9056A		1			711085	06/01/25 08:57	LHB	EET PEN
Total/NA	Analysis	9056A		1			711087	06/01/25 08:57	AMM	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	883157	06/04/25 05:08	RR	EET SAV
Total Recoverable	Analysis	6020B		1			883230	06/04/25 12:49	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	883198	06/04/25 12:47	MG	EET SAV
Total/NA	Analysis	7470A		1			883266	06/05/25 09:38	BJB	EET SAV
Total/NA	Analysis	350.1		1	10 mL	10 mL	712311	06/10/25 14:22	CAC	EET PEN

Client Sample ID: SW-5

Lab Sample ID: 400-276828-6

Date Collected: 05/30/25 12:15

Matrix: Water

Date Received: 05/31/25 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	712147	06/10/25 11:29	WPD	EET PEN
Total/NA	Prep	3511			30.9 mL	2 mL	711584	06/04/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			711974	06/07/25 22:23	JAW	EET PEN
Total/NA	Prep	3510C			256 mL	1 mL	711916	06/06/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	712788	06/14/25 15:37	VC1	EET PEN
Total/NA	Analysis	9056A		1			711085	06/01/25 09:06	LHB	EET PEN
Total/NA	Analysis	9056A		1			711087	06/01/25 09:06	AMM	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	883157	06/04/25 05:08	RR	EET SAV
Total Recoverable	Analysis	6020B		1			883230	06/04/25 13:10	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	883198	06/04/25 12:47	MG	EET SAV
Total/NA	Analysis	7470A		1			883266	06/05/25 09:12	BJB	EET SAV
Total/NA	Analysis	350.1		1	10 mL	10 mL	712311	06/10/25 14:25	CAC	EET PEN

Client Sample ID: SW-4

Lab Sample ID: 400-276828-7

Date Collected: 05/30/25 13:35

Matrix: Water

Date Received: 05/31/25 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	712147	06/10/25 11:55	WPD	EET PEN
Total/NA	Prep	3511			30.6 mL	2 mL	711584	06/04/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			711974	06/07/25 22:54	JAW	EET PEN
Total/NA	Prep	3510C			265.8 mL	1 mL	711916	06/06/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	712788	06/14/25 16:02	VC1	EET PEN
Total/NA	Analysis	9056A		1			711085	06/01/25 09:14	LHB	EET PEN
Total/NA	Analysis	9056A		1			711087	06/01/25 09:14	AMM	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	883157	06/04/25 05:08	RR	EET SAV
Total Recoverable	Analysis	6020B		1			883230	06/04/25 13:05	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	883198	06/04/25 12:47	MG	EET SAV
Total/NA	Analysis	7470A		1			883266	06/05/25 09:26	BJB	EET SAV
Total/NA	Analysis	350.1		1	10 mL	10 mL	712311	06/10/25 14:28	CAC	EET PEN

Client Sample ID: SW-3

Lab Sample ID: 400-276828-8

Date Collected: 05/30/25 14:00

Matrix: Water

Date Received: 05/31/25 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	712328	06/11/25 10:48	WPD	EET PEN
Total/NA	Prep	3511			30.7 mL	2 mL	711584	06/04/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			711974	06/07/25 23:25	JAW	EET PEN
Total/NA	Prep	3510C			248.8 mL	1 mL	711916	06/06/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	712788	06/14/25 16:27	VC1	EET PEN
Total/NA	Analysis	9056A		1			711085	06/01/25 09:23	LHB	EET PEN
Total/NA	Analysis	9056A		1			711087	06/01/25 09:23	AMM	EET PEN

Lab Chronicle

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276828-1

Client Sample ID: SW-3

Lab Sample ID: 400-276828-8

Date Collected: 05/30/25 14:00

Matrix: Water

Date Received: 05/31/25 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	883157	06/04/25 05:08	RR	EET SAV
Total Recoverable	Analysis	6020B		1			883230	06/04/25 12:47	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	883198	06/04/25 12:47	MG	EET SAV
Total/NA	Analysis	7470A		1			883266	06/05/25 09:57	BJB	EET SAV
Total/NA	Analysis	350.1		1	10 mL	10 mL	712311	06/10/25 14:30	CAC	EET PEN

Client Sample ID: SW-2

Lab Sample ID: 400-276828-9

Date Collected: 05/30/25 14:35

Matrix: Water

Date Received: 05/31/25 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	712147	06/10/25 14:28	WPD	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	711584	06/04/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			711974	06/07/25 23:56	JAW	EET PEN
Total/NA	Prep	3510C			257.8 mL	1 mL	711916	06/06/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	712788	06/14/25 16:53	VC1	EET PEN
Total/NA	Analysis	9056A		1			711085	06/01/25 09:31	LHB	EET PEN
Total/NA	Analysis	9056A		1			711087	06/01/25 09:31	AMM	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	883157	06/04/25 05:08	RR	EET SAV
Total Recoverable	Analysis	6020B		1			883230	06/04/25 13:07	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	883198	06/04/25 12:47	MG	EET SAV
Total/NA	Analysis	7470A		1			883266	06/05/25 09:29	BJB	EET SAV
Total/NA	Analysis	350.1		1	10 mL	10 mL	712311	06/10/25 14:33	CAC	EET PEN

Client Sample ID: SW-1

Lab Sample ID: 400-276828-10

Date Collected: 05/30/25 15:20

Matrix: Water

Date Received: 05/31/25 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	712147	06/10/25 14:54	WPD	EET PEN
Total/NA	Prep	3511			30.5 mL	2 mL	711584	06/04/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			711974	06/08/25 00:27	JAW	EET PEN
Total/NA	Prep	3510C			263.2 mL	1 mL	711916	06/06/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	712788	06/14/25 17:18	VC1	EET PEN
Total/NA	Analysis	9056A		1			711085	06/01/25 09:40	LHB	EET PEN
Total/NA	Analysis	9056A		1			711087	06/01/25 09:40	AMM	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	883157	06/04/25 05:08	RR	EET SAV
Total Recoverable	Analysis	6020B		1			883230	06/04/25 12:39	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	883198	06/04/25 12:47	MG	EET SAV
Total/NA	Analysis	7470A		1			883266	06/05/25 09:45	BJB	EET SAV
Total/NA	Analysis	350.1		1	10 mL	10 mL	712311	06/10/25 14:36	CAC	EET PEN

Lab Chronicle

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276828-1

Client Sample ID: TRIP BLANK
Lab Sample ID: 400-276828-11
Date Collected: 05/30/25 00:00
Matrix: Water
Date Received: 05/31/25 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	712147	06/10/25 13:37	WPD	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-711085/27
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			711085	06/01/25 11:05	LHB	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-711087/27
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			711087	06/01/25 11:05	AMM	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-711584/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	711584	06/04/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			711974	06/07/25 15:34	JAW	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-711916/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			250 mL	1 mL	711916	06/06/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	712788	06/14/25 12:14	VC1	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-712023/5
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	712023	06/09/25 08:59	WPD	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-712147/5
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	712147	06/10/25 07:39	WPD	EET PEN

Lab Chronicle

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276828-1

Client Sample ID: Method Blank
Lab Sample ID: MB 400-712311/60
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	350.1		1	10 mL	10 mL	712311	06/10/25 13:35	CAC	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-712328/5
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	712328	06/11/25 08:15	WPD	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 680-883157/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	883157	06/04/25 05:08	RR	EET SAV
Total Recoverable	Analysis	6020B		1			883230	06/04/25 12:34	BWR	EET SAV

Client Sample ID: Method Blank
Lab Sample ID: MB 680-883198/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			50 mL	50 mL	883198	06/04/25 12:47	MG	EET SAV
Total/NA	Analysis	7470A		1			883266	06/05/25 09:08	BJB	EET SAV

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-711085/25
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			711085	06/01/25 11:13	LHB	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-711087/25
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			711087	06/01/25 11:13	AMM	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-711584/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	711584	06/04/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			711974	06/07/25 16:06	JAW	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-711916/2-A**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			250 mL	1 mL	711916	06/06/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	712788	06/14/25 12:39	VC1	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-712023/1002**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	712023	06/09/25 08:08	WPD	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-712147/1002**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	712147	06/10/25 06:49	WPD	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-712311/61**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	350.1		1	10 mL	10 mL	712311	06/10/25 13:37	CAC	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-712328/1002**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	712328	06/11/25 07:24	WPD	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 680-883157/2-A**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	883157	06/04/25 05:08	RR	EET SAV
Total Recoverable	Analysis	6020B		1			883230	06/04/25 12:37	BWR	EET SAV

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 680-883198/2-A**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			50 mL	50 mL	883198	06/04/25 12:47	MG	EET SAV
Total/NA	Analysis	7470A		1			883266	06/05/25 09:10	BJB	EET SAV

Lab Chronicle

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276828-1

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-711085/10
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			711085	06/01/25 11:22	LHB	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-711087/10
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			711087	06/01/25 11:22	AMM	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-711584/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	711584	06/04/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			711974	06/07/25 16:38	JAW	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-711916/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			250 mL	1 mL	711916	06/06/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	712788	06/14/25 13:05	VC1	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: MRL 400-712311/19
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	350.1		1	100 mL	100 mL	712311	06/10/25 11:45	CAC	EET PEN

Client Sample ID: SW-5
Lab Sample ID: 400-276828-6 MS
Date Collected: 05/30/25 12:15
Matrix: Water
Date Received: 05/31/25 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			50 mL	50 mL	883198	06/04/25 12:47	MG	EET SAV
Total/NA	Analysis	7470A		1			883266	06/05/25 09:15	BJB	EET SAV

Lab Chronicle

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276828-1

Client Sample ID: SW-5
Date Collected: 05/30/25 12:15
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-6 MSD
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			50 mL	50 mL	883198	06/04/25 12:47	MG	EET SAV
Total/NA	Analysis	7470A		1			883266	06/05/25 09:17	BJB	EET SAV

Client Sample ID: SW-3
Date Collected: 05/30/25 14:00
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-8 MS
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	712328	06/11/25 12:31	WPD	EET PEN

Client Sample ID: SW-3
Date Collected: 05/30/25 14:00
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-8 MSD
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	712328	06/11/25 12:56	WPD	EET PEN

Client Sample ID: SW-1
Date Collected: 05/30/25 15:20
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-10 MS
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	883157	06/04/25 05:08	RR	EET SAV
Total Recoverable	Analysis	6020B		1			883230	06/04/25 12:42	BWR	EET SAV

Client Sample ID: SW-1
Date Collected: 05/30/25 15:20
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276828-10 MSD
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	883157	06/04/25 05:08	RR	EET SAV
Total Recoverable	Analysis	6020B		1			883230	06/04/25 12:44	BWR	EET SAV

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Method Summary

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276828-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
8270E SIM ID	Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)	SW846	EET PEN
9056A	Anions, Ion Chromatography	SW846	EET PEN
6020B	Metals (ICP/MS)	SW846	EET SAV
7470A	Mercury (CVAA)	SW846	EET SAV
350.1	Nitrogen, Ammonia	EPA	EET PEN
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET SAV
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN
7470A	Preparation, Mercury	SW846	EET SAV

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: S&ME Inc
Job ID: 400-276828-1
Project/Site: Lyon Park

Laboratory: Eurofins Pensacola

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
North Carolina (WW/SW)	State	314	12-31-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260D		Water	1,2,4-Trimethylbenzene
8260D		Water	Hexane
8260D		Water	n-Heptane
8270E	3511	Water	3 & 4 Methylphenol
8270E	3511	Water	4-Nitrophenol
9056A		Water	Nitrate as N
9056A		Water	Sulfate

Laboratory: Eurofins Savannah

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
North Carolina (WW/SW)	State	269	12-31-25

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone (850) 474-1001 Phone (850) 478-2671

Chain of Custody Record

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Client Information	Sampler: Jonathan Olanin	Lab PM: Bechtold, Chad	Carrier Tracking No(s):	COC No: 680-167641-59296.1
Client Contact: Jerry Paul	Phone: 919.872.2660	E-Mail: Chad.Bechtold@et.eurofinsus.com	State of Origin: NC	Page:
Company: S&ME Inc	PWSID:	Analysis Requested		Job #:
Address: 3201 Spring Forest Road	Due Date Requested:			Preservation Codes: N - None; S - H2SO4; D - HNO3; A - HCL
City: Raleigh	TAT Requested (days):			
State, Zip: NC, 27616	Compliance Project: Δ Yes Δ No			
Phone: 919-872-2660(Tel) 919-876-3958(Fax)	PO #: 23050630, Phase BB			
Email: jpaul@smeinc.com	WO #:			
Project Name: Lyon Park	Project #: 68026680			
Site: Lyon Park	SSOW#:			

400-276828 Chain of Custody

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)	9056A_ORGFM_28D - Sulfate; 353.2 - Nitrite (48 hour HT)	350.1 - Ammonia as N; 353.2 - NOx, Nitrate_Calc	6020B - PRLF 16 Metals, including prep; 7470A - Mercury	8260D - VOC NC 02L List	8270E_SIM_MS_ID - 1,4-Dioxane	8270E_QQQ - SVOC TCL OLM4.2	Total Number of containers	Special Instructions/Note:
			Preservation Code:			N	S	D	A	N	N		
SW-9	5/30/25	0910	G	W	N	X	X	X	X	X	X		
SW-8		0955				X	X	X	X	X	X		
SW-7		1025				X	X	X	X	X	X		
SW-6		1125				X	X	X	X	X	X		
SW-DUP		1125				X	X	X	X	X	X		
SW-5		1215				X	X	X	X	X	X		
SW-4		1335				X	X	X	X	X	X		
SW-3		1400				X	X	X	X	X	X		
SW-2		1435				X	X	X	X	X	X		
SW-1		1520				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
Jonathan Olanin	5/30/25	SME			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	5/31/25 1009	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.0, 2.6, 3.3 IR10

Ver: 05/06/2024

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

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: 400-377114.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Chad.Bechtold@et.eurofinsus.com	State of Origin: North Carolina	Page: Page 1 of 2
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): State - North Carolina (WW/SW)		Job #: 400-276828-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 6/10/2025			
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: Lyon Park	Project #: 68026680			
Site: N/A	SSOW#: N/A			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3005A PRLF 16 Metals, including prep	7470A/7470A_Prep Mercury	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
SW-9 (400-276828-1)	5/30/25	09:10 Eastern	G	Water			X	X	1	
SW-8 (400-276828-2)	5/30/25	09:55 Eastern	G	Water			X	X	1	
SW-7 (400-276828-3)	5/30/25	10:25 Eastern	G	Water			X	X	1	
SW-6 (400-276828-4)	5/30/25	11:25 Eastern	G	Water			X	X	1	
SW-DUP (400-276828-5)	5/30/25	11:25 Eastern	G	Water			X	X	1	
SW-5 (400-276828-6)	5/30/25	12:15 Eastern	G	Water			X	X	1	
SW-4 (400-276828-7)	5/30/25	13:35 Eastern	G	Water			X	X	1	
SW-3 (400-276828-8)	5/30/25	14:00 Eastern	G	Water			X	X	1	
SW-2 (400-276828-9)	5/30/25	14:35 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: 6/2/25 1700	Company EST	Received by:	Date/Time: 6/3/25 1020	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.8/1.8

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

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: 400-377114.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Chad.Bechtold@et.eurofinsus.com	State of Origin: North Carolina	Page: Page 2 of 2
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): State - North Carolina (WW/SW)		Job #: 400-276828-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 6/10/2025			
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: Lyon Park	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/3005A PRLF 16 Metals, including prep	7470A/7470A_Prep Mercury	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
SW-1 (400-276828-10)	5/30/25	15:20 Eastern	G	Water			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: 6/2/25 17W	Company EEP	Received by:	Date/Time: 6/3/25 1020	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ▵ Yes ▵ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.8/1.8

Login Sample Receipt Checklist

Client: S&ME Inc

Job Number: 400-276828-1

Login Number: 276828
List Number: 1
Creator: Beecher (Roberts), Alexis J

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.0°C, 2.6°C, 3.3°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.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: S&ME Inc

Job Number: 400-276828-1

Login Number: 276828
List Number: 2
Creator: Faught, Timothy

List Source: Eurofins Savannah
List Creation: 06/03/25 12:33 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/25/2025 10:44:25 AM

JOB DESCRIPTION

Lyon Park

JOB NUMBER

400-276843-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization

Generated
6/25/2025 10:44:25 AM

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

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Job Narrative
400-276843-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 5/31/2025 10:09 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.2°C and 6.9°C.

Receipt Exceptions
The sample SED-DUP (400-276843-5) was received with a broken 4 oz soil jar. The laboaratory was able to perform the requested analysis using the other containers received for this sample. The sample SED-4 (400-276843-7) was received with a broken sodium bisulfate preserved 40 mL VOA vial. The laboratory used the other vial received to perform the requested analysis.

GC/MS VOA
Method 8260D: The laboratory control sample (LCS) for preparation batch 400-712255 and analytical batch 400-712195 recovered outside control limits for the following analyte: Hexachlorobutadiene. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

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

GC/MS Semi VOA
Method 8270E: The laboratory control sample (LCS) for preparation batch 400-712118 and analytical batch 400-712339 recovered outside control limits for the following analytes: 2,4-Dimethylphenol, 1,3-Dinitrobenzene, 4-Nitroaniline, 2,4-Dinitrophenol, 4-Nitrophenol, Bis(2-chloroethyl)ether, 2,4,5-Trichlorophenol, 2,4,6-Tribromophenol, 4,6-Dinitro-2-methylphenol, 3-Nitroaniline and Phenanthrene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E: The following analytes were recovered outside control limits for the LCS associated with preparation batch 400-712118 and analytical batch 400-712339: 2-Chlorophenol and 2-Nitrophenol. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Method 8270E: The following samples were diluted due to the nature of the sample matrix: SED-9 (400-276843-1), SED-8 (400-276843-2), SED-7 (400-276843-3), SED-6 (400-276843-4), SED-DUP (400-276843-5), SED-5 (400-276843-6), SED-4 (400-276843-7), SED-3 (400-276843-8), SED-2 (400-276843-9) and SED-1 (400-276843-10). Elevated reporting limits (RLs) are provided.

Method 8270E: The internal standard Perylene-d12 response were outside of acceptance limits low for the following sample: SED-6 (400-276843-4). This could cause any detections for the associated compounds to be biased high; however, the compounds associated to this internal standard did not have any detections.

Method 8270E: The internal standards Perylene-d12 and Chrysene-d12 response were outside of acceptance limits low for the following sample: SED-2 (400-276843-9). This could cause any detections for the associated compounds to be biased high; however, the compounds associated to these internal standards did not have any detections.

Method 8270E_SIM_ID_D5: The following sample was diluted due to the nature of the sample matrix: SED-4 (400-276843-7). Elevated reporting limits (RLs) are provided.

Method 8270E_SIM_ID_D5: The following sample was diluted to bring the concentration of target analytes within the calibration range: SED-7 (400-276843-3). 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-9 (400-276843-1), SED-8 (400-276843-2), SED-6 (400-276843-4), SED-DUP (400-276843-5), SED-5 (400-276843-6), SED-3 (400-276843-8), SED-2 (400-276843-9) and SED-1 (400-276843-10). 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
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: Lyon Park

Job ID: 400-276843-1

Client Sample ID: SED-9 — Lab Sample ID: 400-276843-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0555		0.0246	0.0118	mg/Kg	1	☼	8260D	Total/NA
4-Isopropyltoluene	0.00116	J	0.00492	0.000984	mg/Kg	1	☼	8260D	Total/NA
1,4-Dioxane	0.0327		0.00290	0.00290	mg/Kg	2	☼	8270E SIM ID	Total/NA
Sulfate	12.8	J	24.2	8.83	mg/Kg	1	☼	9056A	Soluble
Arsenic	0.452		0.358	0.119	mg/Kg	1	☼	6020B	Total/NA
Barium	20.2		0.597	0.0716	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.122		0.0597	0.0179	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.0525	J	0.0597	0.0179	mg/Kg	1	☼	6020B	Total/NA
Chromium	3.67		1.19	0.131	mg/Kg	1	☼	6020B	Total/NA
Cobalt	1.72		0.0597	0.0119	mg/Kg	1	☼	6020B	Total/NA
Copper	4.41		0.597	0.155	mg/Kg	1	☼	6020B	Total/NA
Lead	8.15		0.239	0.0597	mg/Kg	1	☼	6020B	Total/NA
Manganese	51.7		1.19	0.143	mg/Kg	1	☼	6020B	Total/NA
Nickel	4.94		1.19	0.310	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.175	J	0.597	0.119	mg/Kg	1	☼	6020B	Total/NA
Vanadium	7.11		0.597	0.322	mg/Kg	1	☼	6020B	Total/NA
Zinc	35.1	F1	2.39	1.19	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.0109	J	0.0287	0.00919	mg/Kg	1	☼	7471B	Total/NA
Ammonia (as N)	0.102	J F1	0.122	0.0390	mg/Kg	1	☼	350.1	Soluble

Client Sample ID: SED-8 — Lab Sample ID: 400-276843-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0657		0.0245	0.0118	mg/Kg	1	☼	8260D	Total/NA
2-Butanone (MEK)	0.00636	J	0.0245	0.00589	mg/Kg	1	☼	8260D	Total/NA
4-Isopropyltoluene	0.00378	J	0.00491	0.000982	mg/Kg	1	☼	8260D	Total/NA
Toluene	0.00175	J	0.00491	0.000982	mg/Kg	1	☼	8260D	Total/NA
1,4-Dioxane	0.0725		0.00316	0.00316	mg/Kg	2	☼	8270E SIM ID	Total/NA
Fluoranthene	0.811	J	2.07	0.457	mg/Kg	5	☼	8270E	Total/NA
Phenanthrene	0.539	J *+	2.07	0.507	mg/Kg	5	☼	8270E	Total/NA
Pyrene	0.565	J	2.07	0.488	mg/Kg	5	☼	8270E	Total/NA
Antimony	0.208	J	1.23	0.123	mg/Kg	1	☼	6020B	Total/NA
Arsenic	1.01		0.370	0.123	mg/Kg	1	☼	6020B	Total/NA
Barium	41.3		0.616	0.0739	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.241		0.0616	0.0185	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.120		0.0616	0.0185	mg/Kg	1	☼	6020B	Total/NA
Chromium	7.75		1.23	0.136	mg/Kg	1	☼	6020B	Total/NA
Cobalt	3.55		0.0616	0.0123	mg/Kg	1	☼	6020B	Total/NA
Copper	11.1		0.616	0.160	mg/Kg	1	☼	6020B	Total/NA
Lead	20.5		0.246	0.0616	mg/Kg	1	☼	6020B	Total/NA
Manganese	158		1.23	0.148	mg/Kg	1	☼	6020B	Total/NA
Nickel	9.48		1.23	0.320	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.336	J	0.616	0.123	mg/Kg	1	☼	6020B	Total/NA
Silver	0.0209	J	0.123	0.0123	mg/Kg	1	☼	6020B	Total/NA
Vanadium	18.0		0.616	0.333	mg/Kg	1	☼	6020B	Total/NA
Zinc	57.8		2.46	1.23	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.0355		0.0333	0.0106	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SED-7 — Lab Sample ID: 400-276843-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	6.54		0.0337	0.0337	mg/Kg	20	☼	8270E SIM ID	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Client Sample ID: SED-7 (Continued)

Lab Sample ID: 400-276843-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	16.4	J	28.0	10.2	mg/Kg	1	☼	9056A	Soluble
Antimony	0.245	J	1.35	0.135	mg/Kg	1	☼	6020B	Total/NA
Arsenic	1.00		0.405	0.135	mg/Kg	1	☼	6020B	Total/NA
Barium	33.5		0.675	0.0810	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.221		0.0675	0.0202	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.105		0.0675	0.0202	mg/Kg	1	☼	6020B	Total/NA
Chromium	7.76		1.35	0.148	mg/Kg	1	☼	6020B	Total/NA
Cobalt	2.79		0.0675	0.0135	mg/Kg	1	☼	6020B	Total/NA
Copper	12.7		0.675	0.175	mg/Kg	1	☼	6020B	Total/NA
Lead	28.0		0.270	0.0675	mg/Kg	1	☼	6020B	Total/NA
Manganese	91.3		1.35	0.162	mg/Kg	1	☼	6020B	Total/NA
Nickel	7.15		1.35	0.351	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.247	J	0.675	0.135	mg/Kg	1	☼	6020B	Total/NA
Silver	0.0202	J	0.135	0.0135	mg/Kg	1	☼	6020B	Total/NA
Vanadium	13.7		0.675	0.364	mg/Kg	1	☼	6020B	Total/NA
Zinc	51.6		2.70	1.35	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.0222	J	0.0297	0.00952	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SED-6

Lab Sample ID: 400-276843-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	0.00785		0.00276	0.00276	mg/Kg	2	☼	8270E SIM ID	Total/NA
Sulfate	12.7	J	23.7	8.67	mg/Kg	1	☼	9056A	Soluble
Antimony	0.128	J	0.991	0.0991	mg/Kg	1	☼	6020B	Total/NA
Arsenic	1.45		0.297	0.0991	mg/Kg	1	☼	6020B	Total/NA
Barium	39.7		0.495	0.0595	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.301		0.0495	0.0149	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.0872		0.0495	0.0149	mg/Kg	1	☼	6020B	Total/NA
Chromium	12.2		0.991	0.109	mg/Kg	1	☼	6020B	Total/NA
Cobalt	4.90		0.0495	0.00991	mg/Kg	1	☼	6020B	Total/NA
Copper	10.4		0.495	0.129	mg/Kg	1	☼	6020B	Total/NA
Lead	18.1		0.198	0.0495	mg/Kg	1	☼	6020B	Total/NA
Manganese	125		0.991	0.119	mg/Kg	1	☼	6020B	Total/NA
Nickel	15.2		0.991	0.258	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.197	J	0.495	0.0991	mg/Kg	1	☼	6020B	Total/NA
Silver	0.0104	J	0.0991	0.00991	mg/Kg	1	☼	6020B	Total/NA
Vanadium	22.8		0.495	0.268	mg/Kg	1	☼	6020B	Total/NA
Zinc	52.9		1.98	0.991	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.0136	J	0.0252	0.00806	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SED-DUP

Lab Sample ID: 400-276843-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	0.0275		0.00307	0.00307	mg/Kg	2	☼	8270E SIM ID	Total/NA
Antimony	0.337	J	1.17	0.117	mg/Kg	1	☼	6020B	Total/NA
Arsenic	1.14		0.351	0.117	mg/Kg	1	☼	6020B	Total/NA
Barium	35.3		0.585	0.0701	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.204		0.0585	0.0175	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.0766		0.0585	0.0175	mg/Kg	1	☼	6020B	Total/NA
Chromium	9.84		1.17	0.129	mg/Kg	1	☼	6020B	Total/NA
Cobalt	4.51		0.0585	0.0117	mg/Kg	1	☼	6020B	Total/NA
Copper	11.2		0.585	0.152	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SED-DUP (Continued)

Lab Sample ID: 400-276843-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	21.1		0.234	0.0585	mg/Kg	1	☼	6020B	Total/NA
Manganese	114		1.17	0.140	mg/Kg	1	☼	6020B	Total/NA
Nickel	16.4		1.17	0.304	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.265	J	0.585	0.117	mg/Kg	1	☼	6020B	Total/NA
Vanadium	27.4		0.585	0.316	mg/Kg	1	☼	6020B	Total/NA
Zinc	49.2		2.34	1.17	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.0201	J	0.0322	0.0103	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SED-5

Lab Sample ID: 400-276843-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0455		0.0253	0.0122	mg/Kg	1	☼	8260D	Total/NA
1,4-Dioxane	0.0307		0.00326	0.00326	mg/Kg	2	☼	8270E SIM ID	Total/NA
Fluoranthene	0.507	J	2.25	0.499	mg/Kg	5	☼	8270E	Total/NA
Sulfate	14.0	J	28.2	10.3	mg/Kg	1	☼	9056A	Soluble
Antimony	5.24		1.27	0.127	mg/Kg	1	☼	6020B	Total/NA
Arsenic	2.14		0.380	0.127	mg/Kg	1	☼	6020B	Total/NA
Barium	48.8		0.633	0.0760	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.315		0.0633	0.0190	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.177		0.0633	0.0190	mg/Kg	1	☼	6020B	Total/NA
Chromium	11.0		1.27	0.139	mg/Kg	1	☼	6020B	Total/NA
Cobalt	3.35		0.0633	0.0127	mg/Kg	1	☼	6020B	Total/NA
Copper	19.4		0.633	0.165	mg/Kg	1	☼	6020B	Total/NA
Lead	43.1		0.253	0.0633	mg/Kg	1	☼	6020B	Total/NA
Manganese	119		1.27	0.152	mg/Kg	1	☼	6020B	Total/NA
Nickel	9.15		1.27	0.329	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.315	J	0.633	0.127	mg/Kg	1	☼	6020B	Total/NA
Silver	0.0393	J	0.127	0.0127	mg/Kg	1	☼	6020B	Total/NA
Vanadium	16.9		0.633	0.342	mg/Kg	1	☼	6020B	Total/NA
Zinc	78.5		2.53	1.27	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.0335		0.0322	0.0103	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SED-4

Lab Sample ID: 400-276843-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	0.0132		0.00752	0.00752	mg/Kg	5	☼	8270E SIM ID	Total/NA
Sulfate	26.4		26.4	9.65	mg/Kg	1	☼	9056A	Soluble
Antimony	0.417	J	1.25	0.125	mg/Kg	1	☼	6020B	Total/NA
Arsenic	0.851		0.376	0.125	mg/Kg	1	☼	6020B	Total/NA
Barium	36.2		0.626	0.0751	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.252		0.0626	0.0188	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.115		0.0626	0.0188	mg/Kg	1	☼	6020B	Total/NA
Chromium	8.28		1.25	0.138	mg/Kg	1	☼	6020B	Total/NA
Cobalt	4.16		0.0626	0.0125	mg/Kg	1	☼	6020B	Total/NA
Copper	15.7		0.626	0.163	mg/Kg	1	☼	6020B	Total/NA
Lead	125		0.250	0.0626	mg/Kg	1	☼	6020B	Total/NA
Manganese	98.8		1.25	0.150	mg/Kg	1	☼	6020B	Total/NA
Nickel	15.0		1.25	0.325	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.210	J	0.626	0.125	mg/Kg	1	☼	6020B	Total/NA
Silver	0.0225	J	0.125	0.0125	mg/Kg	1	☼	6020B	Total/NA
Vanadium	13.3		0.626	0.338	mg/Kg	1	☼	6020B	Total/NA
Zinc	71.0		2.50	1.25	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SED-4 (Continued) — Lab Sample ID: 400-276843-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.0184	J	0.0286	0.00915	mg/Kg	1	☼	7471B	Total/NA
Ammonia (as N)	0.468	J	1.30	0.416	mg/Kg	1	☼	350.1	Soluble

Client Sample ID: SED-3 — Lab Sample ID: 400-276843-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0211	J	0.0215	0.0103	mg/Kg	1	☼	8260D	Total/NA
1,4-Dioxane	0.00705		0.00265	0.00265	mg/Kg	2	☼	8270E SIM ID	Total/NA
Fluoranthene	0.472	J	1.86	0.411	mg/Kg	5	☼	8270E	Total/NA
Sulfate	15.6	J	22.4	8.16	mg/Kg	1	☼	9056A	Soluble
Antimony	0.243	J	0.971	0.0971	mg/Kg	1	☼	6020B	Total/NA
Arsenic	1.74		0.291	0.0971	mg/Kg	1	☼	6020B	Total/NA
Barium	36.8		0.486	0.0583	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.186		0.0486	0.0146	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.106		0.0486	0.0146	mg/Kg	1	☼	6020B	Total/NA
Chromium	9.40		0.971	0.107	mg/Kg	1	☼	6020B	Total/NA
Cobalt	4.06		0.0486	0.00971	mg/Kg	1	☼	6020B	Total/NA
Copper	11.7		0.486	0.126	mg/Kg	1	☼	6020B	Total/NA
Lead	66.8		0.194	0.0486	mg/Kg	1	☼	6020B	Total/NA
Manganese	116		0.971	0.117	mg/Kg	1	☼	6020B	Total/NA
Nickel	13.7		0.971	0.252	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.206	J	0.486	0.0971	mg/Kg	1	☼	6020B	Total/NA
Silver	0.0126	J	0.0971	0.00971	mg/Kg	1	☼	6020B	Total/NA
Vanadium	19.0		0.486	0.262	mg/Kg	1	☼	6020B	Total/NA
Zinc	51.8		1.94	0.971	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.0250	J	0.0261	0.00834	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SED-2 — Lab Sample ID: 400-276843-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0180	J	0.0245	0.0118	mg/Kg	1	☼	8260D	Total/NA
1,4-Dioxane	0.00970		0.00281	0.00281	mg/Kg	2	☼	8270E SIM ID	Total/NA
Sulfate	18.5	J	23.9	8.74	mg/Kg	1	☼	9056A	Soluble
Antimony	0.139	J	1.01	0.101	mg/Kg	1	☼	6020B	Total/NA
Arsenic	0.732		0.302	0.101	mg/Kg	1	☼	6020B	Total/NA
Barium	39.8		0.503	0.0604	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.242		0.0503	0.0151	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.0564		0.0503	0.0151	mg/Kg	1	☼	6020B	Total/NA
Chromium	8.97		1.01	0.111	mg/Kg	1	☼	6020B	Total/NA
Cobalt	3.33		0.0503	0.0101	mg/Kg	1	☼	6020B	Total/NA
Copper	11.4		0.503	0.131	mg/Kg	1	☼	6020B	Total/NA
Lead	25.4		0.201	0.0503	mg/Kg	1	☼	6020B	Total/NA
Manganese	129		1.01	0.121	mg/Kg	1	☼	6020B	Total/NA
Nickel	9.15		1.01	0.262	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.215	J	0.503	0.101	mg/Kg	1	☼	6020B	Total/NA
Silver	0.0272	J	0.101	0.0101	mg/Kg	1	☼	6020B	Total/NA
Vanadium	14.0		0.503	0.272	mg/Kg	1	☼	6020B	Total/NA
Zinc	48.4		2.01	1.01	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.0213	J	0.0290	0.00929	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276843-1

Client Sample ID: SED-1 — Lab Sample ID: 400-276843-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	0.0163		0.00267	0.00267	mg/Kg	2	☼	8270E SIM ID	Total/NA
Sulfate	9.12	J	22.0	8.04	mg/Kg	1	☼	9056A	Soluble
Antimony	0.141	J	0.944	0.0944	mg/Kg	1	☼	6020B	Total/NA
Arsenic	1.33		0.283	0.0944	mg/Kg	1	☼	6020B	Total/NA
Barium	50.4		0.472	0.0566	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.436		0.0472	0.0142	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.106		0.0472	0.0142	mg/Kg	1	☼	6020B	Total/NA
Chromium	9.12		0.944	0.104	mg/Kg	1	☼	6020B	Total/NA
Cobalt	7.19		0.0472	0.00944	mg/Kg	1	☼	6020B	Total/NA
Copper	11.2		0.472	0.123	mg/Kg	1	☼	6020B	Total/NA
Lead	16.9		0.189	0.0472	mg/Kg	1	☼	6020B	Total/NA
Manganese	187		0.944	0.113	mg/Kg	1	☼	6020B	Total/NA
Nickel	21.3		0.944	0.245	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.209	J	0.472	0.0944	mg/Kg	1	☼	6020B	Total/NA
Silver	0.0127	J	0.0944	0.00944	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.0505	J	0.0944	0.0472	mg/Kg	1	☼	6020B	Total/NA
Vanadium	15.3		0.472	0.255	mg/Kg	1	☼	6020B	Total/NA
Zinc	48.7		1.89	0.944	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.0120	J	0.0253	0.00810	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 400-276843-11

No Detections.

This Detection Summary does not include radiochemical test results.

Sample Summary

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276843-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-276843-1	SED-9	Solid	05/30/25 09:10	05/31/25 10:09
400-276843-2	SED-8	Solid	05/30/25 09:55	05/31/25 10:09
400-276843-3	SED-7	Solid	05/30/25 10:25	05/31/25 10:09
400-276843-4	SED-6	Solid	05/30/25 11:25	05/31/25 10:09
400-276843-5	SED-DUP	Solid	05/30/25 11:25	05/31/25 10:09
400-276843-6	SED-5	Solid	05/30/25 12:15	05/31/25 10:09
400-276843-7	SED-4	Solid	05/30/25 13:35	05/31/25 10:09
400-276843-8	SED-3	Solid	05/30/25 14:00	05/31/25 10:09
400-276843-9	SED-2	Solid	05/30/25 14:35	05/31/25 10:09
400-276843-10	SED-1	Solid	05/30/25 15:20	05/31/25 10:09
400-276843-11	TRIP BLANK	Water	05/30/25 00:00	05/31/25 10:09

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276843-1

Client Sample ID: SED-9
Date Collected: 05/30/25 09:10
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276843-1
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	**0.0555**		0.0246	0.0118	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
Benzene	ND		0.00492	0.000659	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
Bromobenzene	ND		0.00492	0.00128	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
Chlorobromomethane	ND		0.00492	0.000797	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
Dichlorobromomethane	ND		0.00492	0.000905	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
Bromoform	ND		0.00492	0.00128	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
Bromomethane	ND		0.00492	0.00246	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
2-Butanone (MEK)	ND		0.0246	0.00590	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
n-Butylbenzene	ND		0.00492	0.000945	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
sec-Butylbenzene	ND		0.00492	0.000935	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
tert-Butylbenzene	ND		0.00492	0.00108	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
Carbon disulfide	ND		0.00492	0.00249	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
Carbon tetrachloride	ND		0.00492	0.00167	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
Chlorobenzene	ND		0.00492	0.00130	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
Chloroethane	ND		0.00492	0.00325	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
Chloroform	ND		0.00492	0.00134	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
Chloromethane	ND		0.00492	0.00217	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
2-Chlorotoluene	ND		0.00492	0.00163	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
4-Chlorotoluene	ND		0.00492	0.000964	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
Chlorodibromomethane	ND		0.00492	0.00118	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
1,2-Dibromo-3-Chloropropane	ND		0.00492	0.00325	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
Ethylene Dibromide	ND		0.00492	0.000984	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
Dibromomethane	ND		0.00492	0.000817	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
1,2-Dichlorobenzene	ND		0.00492	0.00156	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
1,3-Dichlorobenzene	ND		0.00492	0.000935	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
1,4-Dichlorobenzene	ND		0.00492	0.000846	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
trans-1,4-Dichloro-2-butene	ND		0.00492	0.00246	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
1,1-Dichloroethane	ND		0.00492	0.000817	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
1,2-Dichloroethane	ND		0.00492	0.00181	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
cis-1,2-Dichloroethene	ND		0.00492	0.000748	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
trans-1,2-Dichloroethene	ND		0.00492	0.000945	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
1,1-Dichloroethene	ND		0.00492	0.00207	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
1,2-Dichloropropane	ND		0.00492	0.000748	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
1,3-Dichloropropane	ND		0.00492	0.000984	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
2,2-Dichloropropane	ND		0.00492	0.00108	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
1,1-Dichloropropene	ND		0.00492	0.000817	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
cis-1,3-Dichloropropene	ND		0.00492	0.00118	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
trans-1,3-Dichloropropene	ND		0.00492	0.00108	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
Ethylbenzene	ND		0.00492	0.000600	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
Hexachlorobutadiene	ND	*+	0.00492	0.00246	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
2-Hexanone	ND		0.0246	0.00492	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
Iodomethane	ND		0.00492	0.00335	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
Isopropylbenzene	ND		0.00492	0.000669	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
4-Isopropyltoluene	**0.00116**	**J**	0.00492	0.000984	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
Methylene Chloride	ND		0.0148	0.00984	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
4-Methyl-2-pentanone (MIBK)	ND		0.0246	0.0132	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
Methyl tert-butyl ether	ND		0.00492	0.000984	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
Naphthalene	ND		0.00492	0.00295	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
N-Propylbenzene	ND		0.00492	0.000886	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1

Client Sample ID: SED-9
Date Collected: 05/30/25 09:10
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276843-1
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		0.00492	0.000984	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
1,1,1,2-Tetrachloroethane	ND		0.00492	0.00108	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
1,1,2,2-Tetrachloroethane	ND		0.00492	0.00169	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
Tetrachloroethene	ND		0.00492	0.00295	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
Toluene	ND		0.00492	0.000984	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
1,2,3-Trichlorobenzene	ND		0.00492	0.00108	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
1,2,4-Trichlorobenzene	ND		0.00492	0.00198	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
1,1,1-Trichloroethane	ND		0.00492	0.00108	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
1,1,2-Trichloroethane	ND		0.00492	0.00158	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
Trichloroethene	ND		0.00492	0.000984	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
Trichlorofluoromethane	ND		0.00492	0.00238	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
1,2,3-Trichloropropane	ND		0.00492	0.00205	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00492	0.00185	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
1,2,4-Trimethylbenzene	ND		0.00492	0.000984	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
1,3,5-Trimethylbenzene	ND		0.00492	0.000817	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
Vinyl acetate	ND		0.0246	0.00628	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
Vinyl chloride	ND		0.00492	0.00215	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
o-Xylene	ND		0.00492	0.00295	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
m-Xylene & p-Xylene	ND		0.00492	0.00295	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
Xylenes, Total	ND		0.00984	0.00590	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
Isopropyl ether	ND		0.00492	0.00136	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
Hexane	ND		0.00492	0.00256	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
n-Heptane	ND		0.00492	0.00284	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1
Ethyl acetate	ND		0.0197	0.00492	mg/Kg	☼	06/10/25 09:27	06/10/25 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*50 - 150*	*06/10/25 09:27*	*06/10/25 15:08*	*1*
Dibromofluoromethane	*115*		*50 - 150*	*06/10/25 09:27*	*06/10/25 15:08*	*1*
Toluene-d8 (Surr)	*96*		*50 - 150*	*06/10/25 09:27*	*06/10/25 15:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*119*		*50 - 150*	*06/10/25 09:27*	*06/10/25 15:08*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**0.0327**		0.00290	0.00290	mg/Kg	☼	06/10/25 14:36	06/24/25 12:02	2

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*70*		*10 - 150*	*06/10/25 14:36*	*06/24/25 12:02*	*2*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.94	0.488	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
2,4,5-Trichlorophenol	ND	*+	1.94	0.594	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
2,4,6-Trichlorophenol	ND	*+	1.94	0.618	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
2,4-Dichlorophenol	ND		1.94	0.412	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
2,4-Dimethylphenol	ND	*+	1.94	0.553	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
2,4-Dinitrophenol	ND	*+	5.83	1.71	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
2,4-Dinitrotoluene	ND		1.94	0.594	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
2-Chlorophenol	ND	*-	1.94	0.712	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
2-Chloronaphthalene	ND		1.94	0.453	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
2-Methylnaphthalene	ND		1.94	0.642	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
2-Methylphenol	ND		1.94	0.471	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276843-1

Client Sample ID: SED-9
Date Collected: 05/30/25 09:10
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276843-1
Matrix: Solid
Percent Solids: 82.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		1.94	0.412	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
2-Nitrophenol	ND	*-	1.94	0.694	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
3 & 4 Methylphenol	ND		3.88	0.453	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
3,3'-Dichlorobenzidine	ND		1.94	0.647	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
3-Nitroaniline	ND	*+	1.94	0.459	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
4,6-Dinitro-2-methylphenol	ND		1.94	1.41	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
4-Bromophenyl phenyl ether	ND		1.94	0.618	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
4-Chloro-3-methylphenol	ND	*+	1.94	0.477	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
4-Chloroaniline	ND		1.94	0.477	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
4-Chlorophenyl phenyl ether	ND		1.94	0.194	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
4-Nitroaniline	ND	*+	1.94	0.665	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
Acenaphthene	ND		1.94	0.477	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
Acenaphthylene	ND		1.94	0.518	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
Acetophenone	ND		1.94	0.553	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
Anthracene	ND		1.94	0.459	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
Benzo[a]anthracene	ND		1.94	0.518	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
Benzo[a]pyrene	ND		1.94	0.277	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
Benzo[b]fluoranthene	ND		1.94	0.583	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
Benzo[g,h,i]perylene	ND		1.94	0.647	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
Benzo[k]fluoranthene	ND		1.94	0.459	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
Bis(2-chloroethoxy)methane	ND		1.94	0.430	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
Bis(2-chloroethyl)ether	ND	*+	1.94	0.636	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
Bis(2-ethylhexyl) phthalate	ND		1.94	0.477	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
Chrysene	ND		1.94	0.624	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
Dibenz(a,h)anthracene	ND		1.94	0.747	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
Dibenzofuran	ND		1.94	0.488	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
Di-n-butyl phthalate	ND		1.94	0.571	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
Diethyl phthalate	ND		1.94	0.624	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
Dimethyl phthalate	ND		1.94	0.524	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
Di-n-octyl phthalate	ND		1.94	0.706	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
Fluoranthene	ND		1.94	0.430	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
Fluorene	ND		1.94	0.530	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
Hexachlorobenzene	ND		1.94	0.589	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
Hexachlorobutadiene	ND		1.94	0.818	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
Hexachlorocyclopentadiene	ND		1.94	0.388	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
Hexachloroethane	ND		1.94	0.895	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
Indeno[1,2,3-cd]pyrene	ND		1.94	0.783	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
Isophorone	ND		1.94	0.394	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
Naphthalene	ND		1.94	0.524	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
Nitrobenzene	ND		1.94	0.577	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
N-Nitrosodiphenylamine	ND		1.94	0.494	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
N-Nitrosodi-n-propylamine	ND		1.94	0.618	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
Pentachlorophenol	ND		3.88	0.942	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
Phenanthrene	ND	*+	1.94	0.477	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
Phenol	ND		1.94	0.524	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
Pyrene	ND		1.94	0.459	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
Butyl benzyl phthalate	ND		1.94	0.942	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
bis (2-chloroisopropyl) ether	ND		1.94	0.742	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
Carbazole	ND		1.94	0.659	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5

Client Sample ID: SED-9

Date Collected: 05/30/25 09:10
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276843-1

Matrix: Solid
Percent Solids: 82.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		1.94	0.606	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
4-Nitrophenol	ND	*+	1.94	1.77	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
Atrazine	ND		1.94	0.530	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
Benzaldehyde	ND		1.94	0.789	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5
Caprolactam	ND		1.94	0.494	mg/Kg	☼	06/10/25 14:55	06/12/25 17:39	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*89*		*10 - 150*	*06/10/25 14:55*	*06/12/25 17:39*	*5*
2-Fluorobiphenyl (Surr)	*73*		*27 - 127*	*06/10/25 14:55*	*06/12/25 17:39*	*5*
2-Fluorophenol (Surr)	*51*		*25 - 128*	*06/10/25 14:55*	*06/12/25 17:39*	*5*
Terphenyl-d14 (Surr)	*68*		*24 - 146*	*06/10/25 14:55*	*06/12/25 17:39*	*5*
Phenol-d5 (Surr)	*51*		*29 - 130*	*06/10/25 14:55*	*06/12/25 17:39*	*5*
Nitrobenzene-d5 (Surr)	*59*		*15 - 136*	*06/10/25 14:55*	*06/12/25 17:39*	*5*

Method: SW846 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		2.42	0.798	mg/Kg	☼		06/05/25 01:12	1
Sulfate	**12.8**	**J**	24.2	8.83	mg/Kg	☼		06/05/25 01:12	1

Method: SW846 6020B - Metals (ICPMS) – Solid Matrix

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.19	0.119	mg/Kg	☼	06/04/25 05:57	06/04/25 14:29	1
Arsenic	**0.452**		0.358	0.119	mg/Kg	☼	06/04/25 05:57	06/04/25 14:29	1
Barium	**20.2**		0.597	0.0716	mg/Kg	☼	06/04/25 05:57	06/04/25 14:29	1
Beryllium	**0.122**		0.0597	0.0179	mg/Kg	☼	06/04/25 05:57	06/04/25 14:29	1
Cadmium	**0.0525**	**J**	0.0597	0.0179	mg/Kg	☼	06/04/25 05:57	06/04/25 14:29	1
Chromium	**3.67**		1.19	0.131	mg/Kg	☼	06/04/25 05:57	06/04/25 14:29	1
Cobalt	**1.72**		0.0597	0.0119	mg/Kg	☼	06/04/25 05:57	06/04/25 14:29	1
Copper	**4.41**		0.597	0.155	mg/Kg	☼	06/04/25 05:57	06/04/25 14:29	1
Lead	**8.15**		0.239	0.0597	mg/Kg	☼	06/04/25 05:57	06/04/25 14:29	1
Manganese	**51.7**		1.19	0.143	mg/Kg	☼	06/04/25 05:57	06/04/25 14:29	1
Nickel	**4.94**		1.19	0.310	mg/Kg	☼	06/04/25 05:57	06/04/25 14:29	1
Selenium	**0.175**	**J**	0.597	0.119	mg/Kg	☼	06/04/25 05:57	06/04/25 14:29	1
Silver	ND		0.119	0.0119	mg/Kg	☼	06/04/25 05:57	06/04/25 14:29	1
Thallium	ND		0.119	0.0597	mg/Kg	☼	06/04/25 05:57	06/04/25 14:29	1
Vanadium	**7.11**		0.597	0.322	mg/Kg	☼	06/04/25 05:57	06/04/25 14:29	1
Zinc	**35.1**	**F1**	2.39	1.19	mg/Kg	☼	06/04/25 05:57	06/04/25 14:29	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0109**	**J**	0.0287	0.00919	mg/Kg	☼	06/05/25 15:11	06/09/25 07:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	**82.1**		0.01	0.01	%			06/04/25 18:09	1
Percent Moisture (EPA Moisture)	**17.9**		0.01	0.01	%			06/04/25 18:09	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	**0.102**	**J F1**	0.122	0.0390	mg/Kg	☼		06/11/25 10:12	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276843-1

Client Sample ID: SED-8
Date Collected: 05/30/25 09:55
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276843-2
Matrix: Solid
Percent Solids: 75.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.0657**		0.0245	0.0118	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
Benzene	ND		0.00491	0.000658	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
Bromobenzene	ND		0.00491	0.00128	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
Chlorobromomethane	ND		0.00491	0.000795	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
Dichlorobromomethane	ND		0.00491	0.000903	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
Bromoform	ND		0.00491	0.00128	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
Bromomethane	ND		0.00491	0.00245	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
2-Butanone (MEK)	**0.00636**	**J**	0.0245	0.00589	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
n-Butylbenzene	ND		0.00491	0.000943	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
sec-Butylbenzene	ND		0.00491	0.000933	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
tert-Butylbenzene	ND		0.00491	0.00108	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
Carbon disulfide	ND		0.00491	0.00248	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
Carbon tetrachloride	ND		0.00491	0.00167	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
Chlorobenzene	ND		0.00491	0.00130	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
Chloroethane	ND		0.00491	0.00324	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
Chloroform	ND		0.00491	0.00134	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
Chloromethane	ND		0.00491	0.00217	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
2-Chlorotoluene	ND		0.00491	0.00163	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
4-Chlorotoluene	ND		0.00491	0.000962	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
Chlorodibromomethane	ND		0.00491	0.00118	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
1,2-Dibromo-3-Chloropropane	ND		0.00491	0.00324	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
Ethylene Dibromide	ND		0.00491	0.000982	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
Dibromomethane	ND		0.00491	0.000815	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
1,2-Dichlorobenzene	ND		0.00491	0.00156	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
1,3-Dichlorobenzene	ND		0.00491	0.000933	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
1,4-Dichlorobenzene	ND		0.00491	0.000844	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
trans-1,4-Dichloro-2-butene	ND		0.00491	0.00245	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
1,1-Dichloroethane	ND		0.00491	0.000815	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
1,2-Dichloroethane	ND		0.00491	0.00181	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
cis-1,2-Dichloroethene	ND		0.00491	0.000746	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
trans-1,2-Dichloroethene	ND		0.00491	0.000943	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
1,1-Dichloroethene	ND		0.00491	0.00206	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
1,2-Dichloropropane	ND		0.00491	0.000746	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
1,3-Dichloropropane	ND		0.00491	0.000982	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
2,2-Dichloropropane	ND		0.00491	0.00108	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
1,1-Dichloropropene	ND		0.00491	0.000815	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
cis-1,3-Dichloropropene	ND		0.00491	0.00118	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
trans-1,3-Dichloropropene	ND		0.00491	0.00108	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
Ethylbenzene	ND		0.00491	0.000599	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
Hexachlorobutadiene	ND	*+	0.00491	0.00245	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
2-Hexanone	ND		0.0245	0.00491	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
Iodomethane	ND		0.00491	0.00334	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
Isopropylbenzene	ND		0.00491	0.000668	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
4-Isopropyltoluene	**0.00378**	**J**	0.00491	0.000982	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
Methylene Chloride	ND		0.0147	0.00982	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
4-Methyl-2-pentanone (MIBK)	ND		0.0245	0.0132	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
Methyl tert-butyl ether	ND		0.00491	0.000982	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
Naphthalene	ND		0.00491	0.00295	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
N-Propylbenzene	ND		0.00491	0.000884	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1

Client Sample ID: SED-8
Date Collected: 05/30/25 09:55
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276843-2
Matrix: Solid
Percent Solids: 75.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.00491	0.000982	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
1,1,1,2-Tetrachloroethane	ND		0.00491	0.00108	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
1,1,2,2-Tetrachloroethane	ND		0.00491	0.00169	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
Tetrachloroethene	ND		0.00491	0.00295	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
Toluene	**0.00175**	**J**	0.00491	0.000982	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
1,2,3-Trichlorobenzene	ND		0.00491	0.00108	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
1,2,4-Trichlorobenzene	ND		0.00491	0.00197	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
1,1,1-Trichloroethane	ND		0.00491	0.00108	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
1,1,2-Trichloroethane	ND		0.00491	0.00158	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
Trichloroethene	ND		0.00491	0.000982	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
Trichlorofluoromethane	ND		0.00491	0.00238	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
1,2,3-Trichloropropane	ND		0.00491	0.00204	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00491	0.00185	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
1,2,4-Trimethylbenzene	ND		0.00491	0.000982	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
1,3,5-Trimethylbenzene	ND		0.00491	0.000815	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
Vinyl acetate	ND		0.0245	0.00626	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
Vinyl chloride	ND		0.00491	0.00214	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
o-Xylene	ND		0.00491	0.00295	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
m-Xylene & p-Xylene	ND		0.00491	0.00295	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
Xylenes, Total	ND		0.00982	0.00589	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
Isopropyl ether	ND		0.00491	0.00135	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
Hexane	ND		0.00491	0.00255	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
n-Heptane	ND		0.00491	0.00284	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1
Ethyl acetate	ND		0.0196	0.00491	mg/Kg	☼	06/10/25 09:27	06/10/25 15:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*50 - 150*	*06/10/25 09:27*	*06/10/25 15:32*	*1*
Dibromofluoromethane	*116*		*50 - 150*	*06/10/25 09:27*	*06/10/25 15:32*	*1*
Toluene-d8 (Surr)	*95*		*50 - 150*	*06/10/25 09:27*	*06/10/25 15:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*117*		*50 - 150*	*06/10/25 09:27*	*06/10/25 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	**0.0725**		0.00316	0.00316	mg/Kg	☼	06/10/25 14:36	06/24/25 12:24	2

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*67*		*10 - 150*	*06/10/25 14:36*	*06/24/25 12:24*	*2*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		2.07	0.520	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
2,4,5-Trichlorophenol	ND	*+	2.07	0.632	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
2,4,6-Trichlorophenol	ND	*+	2.07	0.658	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
2,4-Dichlorophenol	ND		2.07	0.438	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
2,4-Dimethylphenol	ND	*+	2.07	0.589	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
2,4-Dinitrophenol	ND	*+	6.20	1.82	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
2,4-Dinitrotoluene	ND		2.07	0.632	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
2-Chlorophenol	ND	*-	2.07	0.758	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
2-Chloronaphthalene	ND		2.07	0.482	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
2-Methylnaphthalene	ND		2.07	0.683	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
2-Methylphenol	ND		2.07	0.501	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276843-1

Client Sample ID: SED-8
Date Collected: 05/30/25 09:55
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276843-2
Matrix: Solid
Percent Solids: 75.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		2.07	0.438	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
2-Nitrophenol	ND	*-	2.07	0.739	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
3 & 4 Methylphenol	ND		4.13	0.482	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
3,3'-Dichlorobenzidine	ND		2.07	0.689	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
3-Nitroaniline	ND	*+	2.07	0.488	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
4,6-Dinitro-2-methylphenol	ND		2.07	1.50	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
4-Bromophenyl phenyl ether	ND		2.07	0.658	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
4-Chloro-3-methylphenol	ND	*+	2.07	0.507	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
4-Chloroaniline	ND		2.07	0.507	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
4-Chlorophenyl phenyl ether	ND		2.07	0.207	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
4-Nitroaniline	ND	*+	2.07	0.708	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
Acenaphthene	ND		2.07	0.507	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
Acenaphthylene	ND		2.07	0.551	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
Acetophenone	ND		2.07	0.589	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
Anthracene	ND		2.07	0.488	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
Benzo[a]anthracene	ND		2.07	0.551	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
Benzo[a]pyrene	ND		2.07	0.294	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
Benzo[b]fluoranthene	ND		2.07	0.620	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
Benzo[g,h,i]perylene	ND		2.07	0.689	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
Benzo[k]fluoranthene	ND		2.07	0.488	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
Bis(2-chloroethoxy)methane	ND		2.07	0.457	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
Bis(2-chloroethyl)ether	ND	*+	2.07	0.676	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
Bis(2-ethylhexyl) phthalate	ND		2.07	0.507	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
Chrysene	ND		2.07	0.664	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
Dibenz(a,h)anthracene	ND		2.07	0.795	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
Dibenzofuran	ND		2.07	0.520	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
Di-n-butyl phthalate	ND		2.07	0.607	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
Diethyl phthalate	ND		2.07	0.664	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
Dimethyl phthalate	ND		2.07	0.557	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
Di-n-octyl phthalate	ND		2.07	0.751	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
Fluoranthene	**0.811**	**J**	2.07	0.457	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
Fluorene	ND		2.07	0.564	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
Hexachlorobenzene	ND		2.07	0.626	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
Hexachlorobutadiene	ND		2.07	0.870	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
Hexachlorocyclopentadiene	ND		2.07	0.413	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
Hexachloroethane	ND		2.07	0.952	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
Indeno[1,2,3-cd]pyrene	ND		2.07	0.833	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
Isophorone	ND		2.07	0.420	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
Naphthalene	ND		2.07	0.557	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
Nitrobenzene	ND		2.07	0.614	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
N-Nitrosodiphenylamine	ND		2.07	0.526	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
N-Nitrosodi-n-propylamine	ND		2.07	0.658	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
Pentachlorophenol	ND		4.13	1.00	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
Phenanthrene	**0.539**	**J *+**	2.07	0.507	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
Phenol	ND		2.07	0.557	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
Pyrene	**0.565**	**J**	2.07	0.488	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
Butyl benzyl phthalate	ND		2.07	1.00	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
bis (2-chloroisopropyl) ether	ND		2.07	0.789	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
Carbazole	ND		2.07	0.701	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5

Client Sample ID: SED-8
Date Collected: 05/30/25 09:55
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276843-2
Matrix: Solid
Percent Solids: 75.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		2.07	0.645	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
4-Nitrophenol	ND	*+	2.07	1.88	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
Atrazine	ND		2.07	0.564	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
Benzaldehyde	ND		2.07	0.839	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5
Caprolactam	ND		2.07	0.526	mg/Kg	☼	06/10/25 14:55	06/12/25 18:06	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*94*		*10 - 150*	*06/10/25 14:55*	*06/12/25 18:06*	*5*
2-Fluorobiphenyl (Surr)	*75*		*27 - 127*	*06/10/25 14:55*	*06/12/25 18:06*	*5*
2-Fluorophenol (Surr)	*49*		*25 - 128*	*06/10/25 14:55*	*06/12/25 18:06*	*5*
Terphenyl-d14 (Surr)	*69*		*24 - 146*	*06/10/25 14:55*	*06/12/25 18:06*	*5*
Phenol-d5 (Surr)	*46*		*29 - 130*	*06/10/25 14:55*	*06/12/25 18:06*	*5*
Nitrobenzene-d5 (Surr)	*60*		*15 - 136*	*06/10/25 14:55*	*06/12/25 18:06*	*5*

Method: SW846 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		2.66	0.877	mg/Kg	☼		06/05/25 01:38	1
Sulfate	ND		26.6	9.70	mg/Kg	☼		06/05/25 01:38	1

Method: SW846 6020B - Metals (ICPMS) – Solid Matrix

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.208**	**J**	1.23	0.123	mg/Kg	☼	06/04/25 05:57	06/04/25 14:37	1
Arsenic	**1.01**		0.370	0.123	mg/Kg	☼	06/04/25 05:57	06/04/25 14:37	1
Barium	**41.3**		0.616	0.0739	mg/Kg	☼	06/04/25 05:57	06/04/25 14:37	1
Beryllium	**0.241**		0.0616	0.0185	mg/Kg	☼	06/04/25 05:57	06/04/25 14:37	1
Cadmium	**0.120**		0.0616	0.0185	mg/Kg	☼	06/04/25 05:57	06/04/25 14:37	1
Chromium	**7.75**		1.23	0.136	mg/Kg	☼	06/04/25 05:57	06/04/25 14:37	1
Cobalt	**3.55**		0.0616	0.0123	mg/Kg	☼	06/04/25 05:57	06/04/25 14:37	1
Copper	**11.1**		0.616	0.160	mg/Kg	☼	06/04/25 05:57	06/04/25 14:37	1
Lead	**20.5**		0.246	0.0616	mg/Kg	☼	06/04/25 05:57	06/04/25 14:37	1
Manganese	**158**		1.23	0.148	mg/Kg	☼	06/04/25 05:57	06/04/25 14:37	1
Nickel	**9.48**		1.23	0.320	mg/Kg	☼	06/04/25 05:57	06/04/25 14:37	1
Selenium	**0.336**	**J**	0.616	0.123	mg/Kg	☼	06/04/25 05:57	06/04/25 14:37	1
Silver	**0.0209**	**J**	0.123	0.0123	mg/Kg	☼	06/04/25 05:57	06/04/25 14:37	1
Thallium	ND		0.123	0.0616	mg/Kg	☼	06/04/25 05:57	06/04/25 14:37	1
Vanadium	**18.0**		0.616	0.333	mg/Kg	☼	06/04/25 05:57	06/04/25 14:37	1
Zinc	**57.8**		2.46	1.23	mg/Kg	☼	06/04/25 05:57	06/04/25 14:37	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0355**		0.0333	0.0106	mg/Kg	☼	06/05/25 15:11	06/09/25 07:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	**75.1**		0.01	0.01	%			06/04/25 18:09	1
Percent Moisture (EPA Moisture)	**24.9**		0.01	0.01	%			06/04/25 18:09	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		1.30	0.417	mg/Kg	☼		06/11/25 10:20	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276843-1

Client Sample ID: SED-7
Date Collected: 05/30/25 10:25
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276843-3
Matrix: Solid
Percent Solids: 71.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0238	0.0114	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
Benzene	ND		0.00476	0.000637	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
Bromobenzene	ND		0.00476	0.00124	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
Chlorobromomethane	ND		0.00476	0.000770	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
Dichlorobromomethane	ND		0.00476	0.000875	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
Bromoform	ND		0.00476	0.00124	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
Bromomethane	ND		0.00476	0.00238	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
2-Butanone (MEK)	ND		0.0238	0.00571	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
n-Butylbenzene	ND		0.00476	0.000913	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
sec-Butylbenzene	ND		0.00476	0.000903	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
tert-Butylbenzene	ND		0.00476	0.00105	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
Carbon disulfide	ND		0.00476	0.00241	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
Carbon tetrachloride	ND		0.00476	0.00162	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
Chlorobenzene	ND		0.00476	0.00126	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
Chloroethane	ND		0.00476	0.00314	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
Chloroform	ND		0.00476	0.00129	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
Chloromethane	ND		0.00476	0.00210	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
2-Chlorotoluene	ND		0.00476	0.00158	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
4-Chlorotoluene	ND		0.00476	0.000932	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
Chlorodibromomethane	ND		0.00476	0.00114	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
1,2-Dibromo-3-Chloropropane	ND		0.00476	0.00314	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
Ethylene Dibromide	ND		0.00476	0.000951	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
Dibromomethane	ND		0.00476	0.000789	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
1,2-Dichlorobenzene	ND		0.00476	0.00151	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
1,3-Dichlorobenzene	ND		0.00476	0.000903	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
1,4-Dichlorobenzene	ND		0.00476	0.000818	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
trans-1,4-Dichloro-2-butene	ND		0.00476	0.00238	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
1,1-Dichloroethane	ND		0.00476	0.000789	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
1,2-Dichloroethane	ND		0.00476	0.00175	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
cis-1,2-Dichloroethene	ND		0.00476	0.000723	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
trans-1,2-Dichloroethene	ND		0.00476	0.000913	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
1,1-Dichloroethene	ND		0.00476	0.00200	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
1,2-Dichloropropane	ND		0.00476	0.000723	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
1,3-Dichloropropane	ND		0.00476	0.000951	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
2,2-Dichloropropane	ND		0.00476	0.00105	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
1,1-Dichloropropene	ND		0.00476	0.000789	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
cis-1,3-Dichloropropene	ND		0.00476	0.00114	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
trans-1,3-Dichloropropene	ND		0.00476	0.00105	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
Ethylbenzene	ND		0.00476	0.000580	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
Hexachlorobutadiene	ND	*+	0.00476	0.00238	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
2-Hexanone	ND		0.0238	0.00476	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
Iodomethane	ND		0.00476	0.00323	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
Isopropylbenzene	ND		0.00476	0.000647	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
4-Isopropyltoluene	ND		0.00476	0.000951	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
Methylene Chloride	ND		0.0143	0.00951	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
4-Methyl-2-pentanone (MIBK)	ND		0.0238	0.0128	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
Methyl tert-butyl ether	ND		0.00476	0.000951	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
Naphthalene	ND		0.00476	0.00285	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
N-Propylbenzene	ND		0.00476	0.000856	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1

Client Sample ID: SED-7
Date Collected: 05/30/25 10:25
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276843-3
Matrix: Solid
Percent Solids: 71.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.00476	0.000951	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
1,1,1,2-Tetrachloroethane	ND		0.00476	0.00105	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
1,1,2,2-Tetrachloroethane	ND		0.00476	0.00164	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
Tetrachloroethene	ND		0.00476	0.00285	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
Toluene	ND		0.00476	0.000951	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
1,2,3-Trichlorobenzene	ND		0.00476	0.00105	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
1,2,4-Trichlorobenzene	ND		0.00476	0.00191	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
1,1,1-Trichloroethane	ND		0.00476	0.00105	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
1,1,2-Trichloroethane	ND		0.00476	0.00153	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
Trichloroethene	ND		0.00476	0.000951	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
Trichlorofluoromethane	ND		0.00476	0.00230	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
1,2,3-Trichloropropane	ND		0.00476	0.00198	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00476	0.00179	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
1,2,4-Trimethylbenzene	ND		0.00476	0.000951	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
1,3,5-Trimethylbenzene	ND		0.00476	0.000789	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
Vinyl acetate	ND		0.0238	0.00607	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
Vinyl chloride	ND		0.00476	0.00207	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
o-Xylene	ND		0.00476	0.00285	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
m-Xylene & p-Xylene	ND		0.00476	0.00285	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
Xylenes, Total	ND		0.00951	0.00571	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
Isopropyl ether	ND		0.00476	0.00131	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
Hexane	ND		0.00476	0.00247	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
n-Heptane	ND		0.00476	0.00275	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1
Ethyl acetate	ND		0.0190	0.00476	mg/Kg	☼	06/10/25 09:27	06/10/25 15:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*50 - 150*	*06/10/25 09:27*	*06/10/25 15:57*	*1*
Dibromofluoromethane	*115*		*50 - 150*	*06/10/25 09:27*	*06/10/25 15:57*	*1*
Toluene-d8 (Surr)	*95*		*50 - 150*	*06/10/25 09:27*	*06/10/25 15:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*50 - 150*	*06/10/25 09:27*	*06/10/25 15:57*	*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	6.54		0.0337	0.0337	mg/Kg	☼	06/10/25 14:36	06/24/25 15:21	20

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*76*		*10 - 150*	*06/10/25 14:36*	*06/24/25 15:21*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		2.29	0.575	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
2,4,5-Trichlorophenol	ND	*+	2.29	0.700	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
2,4,6-Trichlorophenol	ND	*+	2.29	0.727	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
2,4-Dichlorophenol	ND		2.29	0.485	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
2,4-Dimethylphenol	ND	*+	2.29	0.651	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
2,4-Dinitrophenol	ND	*+	6.86	2.01	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
2,4-Dinitrotoluene	ND		2.29	0.700	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
2-Chlorophenol	ND	*-	2.29	0.838	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
2-Chloronaphthalene	ND		2.29	0.533	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
2-Methylnaphthalene	ND		2.29	0.755	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
2-Methylphenol	ND		2.29	0.554	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276843-1

Client Sample ID: SED-7
Date Collected: 05/30/25 10:25
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276843-3
Matrix: Solid
Percent Solids: 71.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		2.29	0.485	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
2-Nitrophenol	ND	*-	2.29	0.817	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
3 & 4 Methylphenol	ND		4.57	0.533	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
3,3'-Dichlorobenzidine	ND		2.29	0.762	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
3-Nitroaniline	ND	*+	2.29	0.540	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
4,6-Dinitro-2-methylphenol	ND		2.29	1.66	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
4-Bromophenyl phenyl ether	ND		2.29	0.727	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
4-Chloro-3-methylphenol	ND	*+	2.29	0.561	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
4-Chloroaniline	ND		2.29	0.561	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
4-Chlorophenyl phenyl ether	ND		2.29	0.229	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
4-Nitroaniline	ND	*+	2.29	0.783	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
Acenaphthene	ND		2.29	0.561	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
Acenaphthylene	ND		2.29	0.610	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
Acetophenone	ND		2.29	0.651	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
Anthracene	ND		2.29	0.540	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
Benzo[a]anthracene	ND		2.29	0.610	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
Benzo[a]pyrene	ND		2.29	0.326	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
Benzo[b]fluoranthene	ND		2.29	0.686	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
Benzo[g,h,i]perylene	ND		2.29	0.762	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
Benzo[k]fluoranthene	ND		2.29	0.540	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
Bis(2-chloroethoxy)methane	ND		2.29	0.506	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
Bis(2-chloroethyl)ether	ND	*+	2.29	0.748	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
Bis(2-ethylhexyl) phthalate	ND		2.29	0.561	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
Chrysene	ND		2.29	0.734	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
Dibenz(a,h)anthracene	ND		2.29	0.880	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
Dibenzofuran	ND		2.29	0.575	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
Di-n-butyl phthalate	ND		2.29	0.672	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
Diethyl phthalate	ND		2.29	0.734	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
Dimethyl phthalate	ND		2.29	0.617	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
Di-n-octyl phthalate	ND		2.29	0.831	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
Fluoranthene	ND		2.29	0.506	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
Fluorene	ND		2.29	0.623	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
Hexachlorobenzene	ND		2.29	0.693	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
Hexachlorobutadiene	ND		2.29	0.963	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
Hexachlorocyclopentadiene	ND		2.29	0.457	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
Hexachloroethane	ND		2.29	1.05	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
Indeno[1,2,3-cd]pyrene	ND		2.29	0.921	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
Isophorone	ND		2.29	0.464	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
Naphthalene	ND		2.29	0.617	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
Nitrobenzene	ND		2.29	0.679	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
N-Nitrosodiphenylamine	ND		2.29	0.582	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
N-Nitrosodi-n-propylamine	ND		2.29	0.727	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
Pentachlorophenol	ND		4.57	1.11	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
Phenanthrene	ND	*+	2.29	0.561	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
Phenol	ND		2.29	0.617	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
Pyrene	ND		2.29	0.540	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
Butyl benzyl phthalate	ND		2.29	1.11	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
bis (2-chloroisopropyl) ether	ND		2.29	0.873	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
Carbazole	ND		2.29	0.776	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5

Client Sample ID: SED-7

Date Collected: 05/30/25 10:25
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276843-3

Matrix: Solid
Percent Solids: 71.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		2.29	0.714	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
4-Nitrophenol	ND	*+	2.29	2.08	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
Atrazine	ND		2.29	0.623	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
Benzaldehyde	ND		2.29	0.928	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5
Caprolactam	ND		2.29	0.582	mg/Kg	☼	06/10/25 14:55	06/12/25 18:33	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*105*		*10 - 150*	*06/10/25 14:55*	*06/12/25 18:33*	*5*
2-Fluorobiphenyl (Surr)	*80*		*27 - 127*	*06/10/25 14:55*	*06/12/25 18:33*	*5*
2-Fluorophenol (Surr)	*55*		*25 - 128*	*06/10/25 14:55*	*06/12/25 18:33*	*5*
Terphenyl-d14 (Surr)	*77*		*24 - 146*	*06/10/25 14:55*	*06/12/25 18:33*	*5*
Phenol-d5 (Surr)	*56*		*29 - 130*	*06/10/25 14:55*	*06/12/25 18:33*	*5*
Nitrobenzene-d5 (Surr)	*64*		*15 - 136*	*06/10/25 14:55*	*06/12/25 18:33*	*5*

Method: SW846 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		2.80	0.923	mg/Kg	☼		06/05/25 01:46	1
Sulfate	**16.4**	**J**	28.0	10.2	mg/Kg	☼		06/05/25 01:46	1

Method: SW846 6020B - Metals (ICPMS) – Solid Matrix

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.245**	**J**	1.35	0.135	mg/Kg	☼	06/04/25 05:57	06/04/25 14:39	1
Arsenic	**1.00**		0.405	0.135	mg/Kg	☼	06/04/25 05:57	06/04/25 14:39	1
Barium	**33.5**		0.675	0.0810	mg/Kg	☼	06/04/25 05:57	06/04/25 14:39	1
Beryllium	**0.221**		0.0675	0.0202	mg/Kg	☼	06/04/25 05:57	06/04/25 14:39	1
Cadmium	**0.105**		0.0675	0.0202	mg/Kg	☼	06/04/25 05:57	06/04/25 14:39	1
Chromium	**7.76**		1.35	0.148	mg/Kg	☼	06/04/25 05:57	06/04/25 14:39	1
Cobalt	**2.79**		0.0675	0.0135	mg/Kg	☼	06/04/25 05:57	06/04/25 14:39	1
Copper	**12.7**		0.675	0.175	mg/Kg	☼	06/04/25 05:57	06/04/25 14:39	1
Lead	**28.0**		0.270	0.0675	mg/Kg	☼	06/04/25 05:57	06/04/25 14:39	1
Manganese	**91.3**		1.35	0.162	mg/Kg	☼	06/04/25 05:57	06/04/25 14:39	1
Nickel	**7.15**		1.35	0.351	mg/Kg	☼	06/04/25 05:57	06/04/25 14:39	1
Selenium	**0.247**	**J**	0.675	0.135	mg/Kg	☼	06/04/25 05:57	06/04/25 14:39	1
Silver	**0.0202**	**J**	0.135	0.0135	mg/Kg	☼	06/04/25 05:57	06/04/25 14:39	1
Thallium	ND		0.135	0.0675	mg/Kg	☼	06/04/25 05:57	06/04/25 14:39	1
Vanadium	**13.7**		0.675	0.364	mg/Kg	☼	06/04/25 05:57	06/04/25 14:39	1
Zinc	**51.6**		2.70	1.35	mg/Kg	☼	06/04/25 05:57	06/04/25 14:39	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0222**	**J**	0.0297	0.00952	mg/Kg	☼	06/05/25 15:11	06/09/25 07:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	**71.2**		0.01	0.01	%			06/04/25 18:09	1
Percent Moisture (EPA Moisture)	**28.8**		0.01	0.01	%			06/04/25 18:09	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		1.31	0.419	mg/Kg	☼		06/11/25 10:23	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276843-1

Client Sample ID: SED-6
Date Collected: 05/30/25 11:25
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276843-4
Matrix: Solid
Percent Solids: 84.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0242	0.0116	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
Benzene	ND		0.00484	0.000648	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
Bromobenzene	ND		0.00484	0.00126	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
Chlorobromomethane	ND		0.00484	0.000784	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
Dichlorobromomethane	ND		0.00484	0.000890	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
Bromoform	ND		0.00484	0.00126	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
Bromomethane	ND		0.00484	0.00242	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
2-Butanone (MEK)	ND		0.0242	0.00581	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
n-Butylbenzene	ND		0.00484	0.000929	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
sec-Butylbenzene	ND		0.00484	0.000919	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
tert-Butylbenzene	ND		0.00484	0.00106	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
Carbon disulfide	ND		0.00484	0.00245	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
Carbon tetrachloride	ND		0.00484	0.00165	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
Chlorobenzene	ND		0.00484	0.00128	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
Chloroethane	ND		0.00484	0.00319	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
Chloroform	ND		0.00484	0.00132	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
Chloromethane	ND		0.00484	0.00214	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
2-Chlorotoluene	ND		0.00484	0.00161	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
4-Chlorotoluene	ND		0.00484	0.000948	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
Chlorodibromomethane	ND		0.00484	0.00116	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
1,2-Dibromo-3-Chloropropane	ND		0.00484	0.00319	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
Ethylene Dibromide	ND		0.00484	0.000968	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
Dibromomethane	ND		0.00484	0.000803	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
1,2-Dichlorobenzene	ND		0.00484	0.00154	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
1,3-Dichlorobenzene	ND		0.00484	0.000919	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
1,4-Dichlorobenzene	ND		0.00484	0.000832	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
trans-1,4-Dichloro-2-butene	ND		0.00484	0.00242	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
1,1-Dichloroethane	ND		0.00484	0.000803	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
1,2-Dichloroethane	ND		0.00484	0.00178	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
cis-1,2-Dichloroethene	ND		0.00484	0.000735	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
trans-1,2-Dichloroethene	ND		0.00484	0.000929	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
1,1-Dichloroethene	ND		0.00484	0.00203	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
1,2-Dichloropropane	ND		0.00484	0.000735	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
1,3-Dichloropropane	ND		0.00484	0.000968	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
2,2-Dichloropropane	ND		0.00484	0.00106	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
1,1-Dichloropropene	ND		0.00484	0.000803	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
cis-1,3-Dichloropropene	ND		0.00484	0.00116	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
trans-1,3-Dichloropropene	ND		0.00484	0.00106	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
Ethylbenzene	ND		0.00484	0.000590	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
Hexachlorobutadiene	ND	*+	0.00484	0.00242	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
2-Hexanone	ND		0.0242	0.00484	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
Iodomethane	ND		0.00484	0.00329	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
Isopropylbenzene	ND		0.00484	0.000658	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
4-Isopropyltoluene	ND		0.00484	0.000968	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
Methylene Chloride	ND		0.0145	0.00968	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
4-Methyl-2-pentanone (MIBK)	ND		0.0242	0.0130	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
Methyl tert-butyl ether	ND		0.00484	0.000968	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
Naphthalene	ND		0.00484	0.00290	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
N-Propylbenzene	ND		0.00484	0.000871	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1

Client Sample ID: SED-6
Date Collected: 05/30/25 11:25
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276843-4
Matrix: Solid
Percent Solids: 84.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.00484	0.000968	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
1,1,1,2-Tetrachloroethane	ND		0.00484	0.00106	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
1,1,2,2-Tetrachloroethane	ND		0.00484	0.00166	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
Tetrachloroethene	ND		0.00484	0.00290	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
Toluene	ND		0.00484	0.000968	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
1,2,3-Trichlorobenzene	ND		0.00484	0.00106	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
1,2,4-Trichlorobenzene	ND		0.00484	0.00195	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
1,1,1-Trichloroethane	ND		0.00484	0.00106	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
1,1,2-Trichloroethane	ND		0.00484	0.00156	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
Trichloroethene	ND		0.00484	0.000968	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
Trichlorofluoromethane	ND		0.00484	0.00234	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
1,2,3-Trichloropropane	ND		0.00484	0.00201	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00484	0.00182	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
1,2,4-Trimethylbenzene	ND		0.00484	0.000968	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
1,3,5-Trimethylbenzene	ND		0.00484	0.000803	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
Vinyl acetate	ND		0.0242	0.00617	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
Vinyl chloride	ND		0.00484	0.00211	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
o-Xylene	ND		0.00484	0.00290	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
m-Xylene & p-Xylene	ND		0.00484	0.00290	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
Xylenes, Total	ND		0.00968	0.00581	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
Isopropyl ether	ND		0.00484	0.00134	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
Hexane	ND		0.00484	0.00252	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
n-Heptane	ND		0.00484	0.00280	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1
Ethyl acetate	ND		0.0194	0.00484	mg/Kg	☼	06/10/25 09:27	06/10/25 16:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*50 - 150*	*06/10/25 09:27*	*06/10/25 16:21*	*1*
Dibromofluoromethane	*114*		*50 - 150*	*06/10/25 09:27*	*06/10/25 16:21*	*1*
Toluene-d8 (Surr)	*95*		*50 - 150*	*06/10/25 09:27*	*06/10/25 16:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*50 - 150*	*06/10/25 09:27*	*06/10/25 16:21*	*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	**0.00785**		0.00276	0.00276	mg/Kg	☼	06/10/25 14:36	06/24/25 13:08	2

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*69*		*10 - 150*	*06/10/25 14:36*	*06/24/25 13:08*	*2*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.95	0.491	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
2,4,5-Trichlorophenol	ND	*+	1.95	0.597	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
2,4,6-Trichlorophenol	ND	*+	1.95	0.621	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
2,4-Dichlorophenol	ND		1.95	0.414	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
2,4-Dimethylphenol	ND	*+	1.95	0.556	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
2,4-Dinitrophenol	ND	*+	5.85	1.72	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
2,4-Dinitrotoluene	ND		1.95	0.597	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
2-Chlorophenol	ND	*-	1.95	0.716	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
2-Chloronaphthalene	ND		1.95	0.455	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
2-Methylnaphthalene	ND		1.95	0.645	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
2-Methylphenol	ND		1.95	0.473	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276843-1

Client Sample ID: SED-6
Date Collected: 05/30/25 11:25
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276843-4
Matrix: Solid
Percent Solids: 84.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		1.95	0.414	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
2-Nitrophenol	ND	*-	1.95	0.698	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
3 & 4 Methylphenol	ND		3.90	0.455	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
3,3'-Dichlorobenzidine	ND		1.95	0.651	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
3-Nitroaniline	ND	*+	1.95	0.461	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
4,6-Dinitro-2-methylphenol	ND		1.95	1.42	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
4-Bromophenyl phenyl ether	ND		1.95	0.621	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
4-Chloro-3-methylphenol	ND	*+	1.95	0.479	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
4-Chloroaniline	ND		1.95	0.479	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
4-Chlorophenyl phenyl ether	ND		1.95	0.195	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
4-Nitroaniline	ND	*+	1.95	0.668	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
Acenaphthene	ND		1.95	0.479	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
Acenaphthylene	ND		1.95	0.520	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
Acetophenone	ND		1.95	0.556	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
Anthracene	ND		1.95	0.461	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
Benzo[a]anthracene	ND		1.95	0.520	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
Benzo[a]pyrene	ND	*3	1.95	0.278	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
Benzo[b]fluoranthene	ND	*3	1.95	0.585	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
Benzo[g,h,i]perylene	ND	*3	1.95	0.651	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
Benzo[k]fluoranthene	ND	*3	1.95	0.461	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
Bis(2-chloroethoxy)methane	ND		1.95	0.432	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
Bis(2-chloroethyl)ether	ND	*+	1.95	0.639	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
Bis(2-ethylhexyl) phthalate	ND		1.95	0.479	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
Chrysene	ND		1.95	0.627	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
Dibenz(a,h)anthracene	ND	*3	1.95	0.751	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
Dibenzofuran	ND		1.95	0.491	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
Di-n-butyl phthalate	ND		1.95	0.574	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
Diethyl phthalate	ND		1.95	0.627	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
Dimethyl phthalate	ND		1.95	0.526	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
Di-n-octyl phthalate	ND		1.95	0.710	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
Fluoranthene	ND		1.95	0.432	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
Fluorene	ND		1.95	0.532	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
Hexachlorobenzene	ND		1.95	0.591	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
Hexachlorobutadiene	ND		1.95	0.822	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
Hexachlorocyclopentadiene	ND		1.95	0.390	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
Hexachloroethane	ND		1.95	0.899	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
Indeno[1,2,3-cd]pyrene	ND	*3	1.95	0.787	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
Isophorone	ND		1.95	0.396	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
Naphthalene	ND		1.95	0.526	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
Nitrobenzene	ND		1.95	0.580	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
N-Nitrosodiphenylamine	ND		1.95	0.497	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
N-Nitrosodi-n-propylamine	ND		1.95	0.621	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
Pentachlorophenol	ND		3.90	0.946	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
Phenanthrene	ND	*+	1.95	0.479	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
Phenol	ND		1.95	0.526	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
Pyrene	ND		1.95	0.461	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
Butyl benzyl phthalate	ND		1.95	0.946	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
bis (2-chloroisopropyl) ether	ND		1.95	0.745	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
Carbazole	ND		1.95	0.662	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5

Client Sample ID: SED-6

Date Collected: 05/30/25 11:25
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276843-4

Matrix: Solid
Percent Solids: 84.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		1.95	0.609	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
4-Nitrophenol	ND	*+	1.95	1.77	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
Atrazine	ND		1.95	0.532	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
Benzaldehyde	ND		1.95	0.792	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5
Caprolactam	ND		1.95	0.497	mg/Kg	☼	06/10/25 14:55	06/12/25 19:00	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*82*		*10 - 150*	*06/10/25 14:55*	*06/12/25 19:00*	*5*
2-Fluorobiphenyl (Surr)	*69*		*27 - 127*	*06/10/25 14:55*	*06/12/25 19:00*	*5*
2-Fluorophenol (Surr)	*49*		*25 - 128*	*06/10/25 14:55*	*06/12/25 19:00*	*5*
Terphenyl-d14 (Surr)	*64*		*24 - 146*	*06/10/25 14:55*	*06/12/25 19:00*	*5*
Phenol-d5 (Surr)	*47*		*29 - 130*	*06/10/25 14:55*	*06/12/25 19:00*	*5*
Nitrobenzene-d5 (Surr)	*57*		*15 - 136*	*06/10/25 14:55*	*06/12/25 19:00*	*5*

Method: SW846 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		2.37	0.784	mg/Kg	☼		06/05/25 01:55	1
Sulfate	**12.7**	**J**	23.7	8.67	mg/Kg	☼		06/05/25 01:55	1

Method: SW846 6020B - Metals (ICPMS) – Solid Matrix

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.128**	**J**	0.991	0.0991	mg/Kg	☼	06/04/25 05:57	06/04/25 14:42	1
Arsenic	**1.45**		0.297	0.0991	mg/Kg	☼	06/04/25 05:57	06/04/25 14:42	1
Barium	**39.7**		0.495	0.0595	mg/Kg	☼	06/04/25 05:57	06/04/25 14:42	1
Beryllium	**0.301**		0.0495	0.0149	mg/Kg	☼	06/04/25 05:57	06/04/25 14:42	1
Cadmium	**0.0872**		0.0495	0.0149	mg/Kg	☼	06/04/25 05:57	06/04/25 14:42	1
Chromium	**12.2**		0.991	0.109	mg/Kg	☼	06/04/25 05:57	06/04/25 14:42	1
Cobalt	**4.90**		0.0495	0.00991	mg/Kg	☼	06/04/25 05:57	06/04/25 14:42	1
Copper	**10.4**		0.495	0.129	mg/Kg	☼	06/04/25 05:57	06/04/25 14:42	1
Lead	**18.1**		0.198	0.0495	mg/Kg	☼	06/04/25 05:57	06/04/25 14:42	1
Manganese	**125**		0.991	0.119	mg/Kg	☼	06/04/25 05:57	06/04/25 14:42	1
Nickel	**15.2**		0.991	0.258	mg/Kg	☼	06/04/25 05:57	06/04/25 14:42	1
Selenium	**0.197**	**J**	0.495	0.0991	mg/Kg	☼	06/04/25 05:57	06/04/25 14:42	1
Silver	**0.0104**	**J**	0.0991	0.00991	mg/Kg	☼	06/04/25 05:57	06/04/25 14:42	1
Thallium	ND		0.0991	0.0495	mg/Kg	☼	06/04/25 05:57	06/04/25 14:42	1
Vanadium	**22.8**		0.495	0.268	mg/Kg	☼	06/04/25 05:57	06/04/25 14:42	1
Zinc	**52.9**		1.98	0.991	mg/Kg	☼	06/04/25 05:57	06/04/25 14:42	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0136**	**J**	0.0252	0.00806	mg/Kg	☼	06/05/25 15:13	06/09/25 07:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	**84.1**		0.01	0.01	%			06/04/25 18:09	1
Percent Moisture (EPA Moisture)	**15.9**		0.01	0.01	%			06/04/25 18:09	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		1.13	0.360	mg/Kg	☼		06/11/25 10:26	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276843-1

Client Sample ID: SED-DUP
Date Collected: 05/30/25 11:25
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276843-5
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	ND		0.0256	0.0123	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
Benzene	ND		0.00512	0.000686	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
Bromobenzene	ND		0.00512	0.00133	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
Chlorobromomethane	ND		0.00512	0.000830	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
Dichlorobromomethane	ND		0.00512	0.000942	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
Bromoform	ND		0.00512	0.00133	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
Bromomethane	ND		0.00512	0.00256	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
2-Butanone (MEK)	ND		0.0256	0.00615	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
n-Butylbenzene	ND		0.00512	0.000983	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
sec-Butylbenzene	ND		0.00512	0.000973	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
tert-Butylbenzene	ND		0.00512	0.00113	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
Carbon disulfide	ND		0.00512	0.00259	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
Carbon tetrachloride	ND		0.00512	0.00174	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
Chlorobenzene	ND		0.00512	0.00135	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
Chloroethane	ND		0.00512	0.00338	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
Chloroform	ND		0.00512	0.00139	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
Chloromethane	ND		0.00512	0.00226	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
2-Chlorotoluene	ND		0.00512	0.00170	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
4-Chlorotoluene	ND		0.00512	0.00100	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
Chlorodibromomethane	ND		0.00512	0.00123	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
1,2-Dibromo-3-Chloropropane	ND		0.00512	0.00338	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
Ethylene Dibromide	ND		0.00512	0.00102	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
Dibromomethane	ND		0.00512	0.000850	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
1,2-Dichlorobenzene	ND		0.00512	0.00163	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
1,3-Dichlorobenzene	ND		0.00512	0.000973	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
1,4-Dichlorobenzene	ND		0.00512	0.000881	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
trans-1,4-Dichloro-2-butene	ND		0.00512	0.00256	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
1,1-Dichloroethane	ND		0.00512	0.000850	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
1,2-Dichloroethane	ND		0.00512	0.00188	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
cis-1,2-Dichloroethene	ND		0.00512	0.000779	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
trans-1,2-Dichloroethene	ND		0.00512	0.000983	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
1,1-Dichloroethene	ND		0.00512	0.00215	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
1,2-Dichloropropane	ND		0.00512	0.000779	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
1,3-Dichloropropane	ND		0.00512	0.00102	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
2,2-Dichloropropane	ND		0.00512	0.00113	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
1,1-Dichloropropene	ND		0.00512	0.000850	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
cis-1,3-Dichloropropene	ND		0.00512	0.00123	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
trans-1,3-Dichloropropene	ND		0.00512	0.00113	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
Ethylbenzene	ND		0.00512	0.000625	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
Hexachlorobutadiene	ND	*+	0.00512	0.00256	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
2-Hexanone	ND		0.0256	0.00512	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
Iodomethane	ND		0.00512	0.00348	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
Isopropylbenzene	ND		0.00512	0.000697	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
4-Isopropyltoluene	ND		0.00512	0.00102	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
Methylene Chloride	ND		0.0154	0.0102	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
4-Methyl-2-pentanone (MIBK)	ND		0.0256	0.0138	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
Methyl tert-butyl ether	ND		0.00512	0.00102	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
Naphthalene	ND		0.00512	0.00307	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
N-Propylbenzene	ND		0.00512	0.000922	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1

Client Sample ID: SED-DUP
Date Collected: 05/30/25 11:25
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276843-5
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		0.00512	0.00102	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
1,1,1,2-Tetrachloroethane	ND		0.00512	0.00113	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
1,1,2,2-Tetrachloroethane	ND		0.00512	0.00176	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
Tetrachloroethene	ND		0.00512	0.00307	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
Toluene	ND		0.00512	0.00102	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
1,2,3-Trichlorobenzene	ND		0.00512	0.00113	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
1,2,4-Trichlorobenzene	ND		0.00512	0.00206	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
1,1,1-Trichloroethane	ND		0.00512	0.00113	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
1,1,2-Trichloroethane	ND		0.00512	0.00165	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
Trichloroethene	ND		0.00512	0.00102	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
Trichlorofluoromethane	ND		0.00512	0.00248	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
1,2,3-Trichloropropane	ND		0.00512	0.00213	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00512	0.00193	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
1,2,4-Trimethylbenzene	ND		0.00512	0.00102	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
1,3,5-Trimethylbenzene	ND		0.00512	0.000850	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
Vinyl acetate	ND		0.0256	0.00654	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
Vinyl chloride	ND		0.00512	0.00223	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
o-Xylene	ND		0.00512	0.00307	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
m-Xylene & p-Xylene	ND		0.00512	0.00307	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
Xylenes, Total	ND		0.0102	0.00615	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
Isopropyl ether	ND		0.00512	0.00141	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
Hexane	ND		0.00512	0.00266	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
n-Heptane	ND		0.00512	0.00296	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1
Ethyl acetate	ND		0.0205	0.00512	mg/Kg	☼	06/10/25 09:27	06/10/25 16:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*50 - 150*	*06/10/25 09:27*	*06/10/25 16:46*	*1*
Dibromofluoromethane	*116*		*50 - 150*	*06/10/25 09:27*	*06/10/25 16:46*	*1*
Toluene-d8 (Surr)	*93*		*50 - 150*	*06/10/25 09:27*	*06/10/25 16:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*116*		*50 - 150*	*06/10/25 09:27*	*06/10/25 16:46*	*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	**0.0275**		0.00307	0.00307	mg/Kg	☼	06/10/25 14:36	06/24/25 13:30	2

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*67*		*10 - 150*	*06/10/25 14:36*	*06/24/25 13:30*	*2*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		2.12	0.534	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
2,4,5-Trichlorophenol	ND	*+	2.12	0.649	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
2,4,6-Trichlorophenol	ND	*+	2.12	0.675	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
2,4-Dichlorophenol	ND		2.12	0.450	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
2,4-Dimethylphenol	ND	*+	2.12	0.604	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
2,4-Dinitrophenol	ND	*+	6.37	1.86	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
2,4-Dinitrotoluene	ND		2.12	0.649	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
2-Chlorophenol	ND	*-	2.12	0.778	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
2-Chloronaphthalene	ND		2.12	0.495	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
2-Methylnaphthalene	ND		2.12	0.701	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
2-Methylphenol	ND		2.12	0.514	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276843-1

Client Sample ID: SED-DUP
Date Collected: 05/30/25 11:25
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276843-5
Matrix: Solid
Percent Solids: 77.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		2.12	0.450	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
2-Nitrophenol	ND	*-	2.12	0.759	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
3 & 4 Methylphenol	ND		4.24	0.495	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
3,3'-Dichlorobenzidine	ND		2.12	0.707	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
3-Nitroaniline	ND	*+	2.12	0.502	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
4,6-Dinitro-2-methylphenol	ND		2.12	1.54	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
4-Bromophenyl phenyl ether	ND		2.12	0.675	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
4-Chloro-3-methylphenol	ND	*+	2.12	0.521	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
4-Chloroaniline	ND		2.12	0.521	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
4-Chlorophenyl phenyl ether	ND		2.12	0.212	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
4-Nitroaniline	ND	*+	2.12	0.727	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
Acenaphthene	ND		2.12	0.521	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
Acenaphthylene	ND		2.12	0.566	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
Acetophenone	ND		2.12	0.604	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
Anthracene	ND		2.12	0.502	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
Benzo[a]anthracene	ND		2.12	0.566	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
Benzo[a]pyrene	ND		2.12	0.302	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
Benzo[b]fluoranthene	ND		2.12	0.637	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
Benzo[g,h,i]perylene	ND		2.12	0.707	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
Benzo[k]fluoranthene	ND		2.12	0.502	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
Bis(2-chloroethoxy)methane	ND		2.12	0.469	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
Bis(2-chloroethyl)ether	ND	*+	2.12	0.694	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
Bis(2-ethylhexyl) phthalate	ND		2.12	0.521	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
Chrysene	ND		2.12	0.682	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
Dibenz(a,h)anthracene	ND		2.12	0.817	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
Dibenzofuran	ND		2.12	0.534	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
Di-n-butyl phthalate	ND		2.12	0.624	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
Diethyl phthalate	ND		2.12	0.682	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
Dimethyl phthalate	ND		2.12	0.572	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
Di-n-octyl phthalate	ND		2.12	0.772	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
Fluoranthene	ND		2.12	0.469	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
Fluorene	ND		2.12	0.579	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
Hexachlorobenzene	ND		2.12	0.643	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
Hexachlorobutadiene	ND		2.12	0.894	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
Hexachlorocyclopentadiene	ND		2.12	0.424	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
Hexachloroethane	ND		2.12	0.977	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
Indeno[1,2,3-cd]pyrene	ND		2.12	0.855	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
Isophorone	ND		2.12	0.431	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
Naphthalene	ND		2.12	0.572	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
Nitrobenzene	ND		2.12	0.630	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
N-Nitrosodiphenylamine	ND		2.12	0.540	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
N-Nitrosodi-n-propylamine	ND		2.12	0.675	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
Pentachlorophenol	ND		4.24	1.03	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
Phenanthrene	ND	*+	2.12	0.521	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
Phenol	ND		2.12	0.572	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
Pyrene	ND		2.12	0.502	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
Butyl benzyl phthalate	ND		2.12	1.03	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
bis (2-chloroisopropyl) ether	ND		2.12	0.810	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
Carbazole	ND		2.12	0.720	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5

Client Sample ID: SED-DUP
Date Collected: 05/30/25 11:25
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276843-5
Matrix: Solid
Percent Solids: 77.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		2.12	0.662	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
4-Nitrophenol	ND	*+	2.12	1.93	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
Atrazine	ND		2.12	0.579	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
Benzaldehyde	ND		2.12	0.862	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5
Caprolactam	ND		2.12	0.540	mg/Kg	☼	06/10/25 14:55	06/12/25 19:27	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*80*		*10 - 150*	*06/10/25 14:55*	*06/12/25 19:27*	*5*
2-Fluorobiphenyl (Surr)	*65*		*27 - 127*	*06/10/25 14:55*	*06/12/25 19:27*	*5*
2-Fluorophenol (Surr)	*49*		*25 - 128*	*06/10/25 14:55*	*06/12/25 19:27*	*5*
Terphenyl-d14 (Surr)	*61*		*24 - 146*	*06/10/25 14:55*	*06/12/25 19:27*	*5*
Phenol-d5 (Surr)	*45*		*29 - 130*	*06/10/25 14:55*	*06/12/25 19:27*	*5*
Nitrobenzene-d5 (Surr)	*54*		*15 - 136*	*06/10/25 14:55*	*06/12/25 19:27*	*5*

Method: SW846 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		2.56	0.844	mg/Kg	☼		06/05/25 02:03	1
Sulfate	ND		25.6	9.34	mg/Kg	☼		06/05/25 02:03	1

Method: SW846 6020B - Metals (ICPMS) – Solid Matrix

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.337**	**J**	1.17	0.117	mg/Kg	☼	06/04/25 05:57	06/04/25 14:44	1
Arsenic	**1.14**		0.351	0.117	mg/Kg	☼	06/04/25 05:57	06/04/25 14:44	1
Barium	**35.3**		0.585	0.0701	mg/Kg	☼	06/04/25 05:57	06/04/25 14:44	1
Beryllium	**0.204**		0.0585	0.0175	mg/Kg	☼	06/04/25 05:57	06/04/25 14:44	1
Cadmium	**0.0766**		0.0585	0.0175	mg/Kg	☼	06/04/25 05:57	06/04/25 14:44	1
Chromium	**9.84**		1.17	0.129	mg/Kg	☼	06/04/25 05:57	06/04/25 14:44	1
Cobalt	**4.51**		0.0585	0.0117	mg/Kg	☼	06/04/25 05:57	06/04/25 14:44	1
Copper	**11.2**		0.585	0.152	mg/Kg	☼	06/04/25 05:57	06/04/25 14:44	1
Lead	**21.1**		0.234	0.0585	mg/Kg	☼	06/04/25 05:57	06/04/25 14:44	1
Manganese	**114**		1.17	0.140	mg/Kg	☼	06/04/25 05:57	06/04/25 14:44	1
Nickel	**16.4**		1.17	0.304	mg/Kg	☼	06/04/25 05:57	06/04/25 14:44	1
Selenium	**0.265**	**J**	0.585	0.117	mg/Kg	☼	06/04/25 05:57	06/04/25 14:44	1
Silver	ND		0.117	0.0117	mg/Kg	☼	06/04/25 05:57	06/04/25 14:44	1
Thallium	ND		0.117	0.0585	mg/Kg	☼	06/04/25 05:57	06/04/25 14:44	1
Vanadium	**27.4**		0.585	0.316	mg/Kg	☼	06/04/25 05:57	06/04/25 14:44	1
Zinc	**49.2**		2.34	1.17	mg/Kg	☼	06/04/25 05:57	06/04/25 14:44	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0201**	**J**	0.0322	0.0103	mg/Kg	☼	06/05/25 15:11	06/09/25 07:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	**77.8**		0.01	0.01	%			06/04/25 18:09	1
Percent Moisture (EPA Moisture)	**22.2**		0.01	0.01	%			06/04/25 18:09	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		1.19	0.381	mg/Kg	☼		06/11/25 10:28	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276843-1

Client Sample ID: SED-5
Date Collected: 05/30/25 12:15
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276843-6
Matrix: Solid
Percent Solids: 70.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0455		0.0253	0.0122	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
Benzene	ND		0.00506	0.000679	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
Bromobenzene	ND		0.00506	0.00132	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
Chlorobromomethane	ND		0.00506	0.000820	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
Dichlorobromomethane	ND		0.00506	0.000932	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
Bromoform	ND		0.00506	0.00132	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
Bromomethane	ND		0.00506	0.00253	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
2-Butanone (MEK)	ND		0.0253	0.00608	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
n-Butylbenzene	ND		0.00506	0.000972	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
sec-Butylbenzene	ND		0.00506	0.000962	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
tert-Butylbenzene	ND		0.00506	0.00111	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
Carbon disulfide	ND		0.00506	0.00256	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
Carbon tetrachloride	ND		0.00506	0.00172	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
Chlorobenzene	ND		0.00506	0.00134	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
Chloroethane	ND		0.00506	0.00334	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
Chloroform	ND		0.00506	0.00138	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
Chloromethane	ND		0.00506	0.00224	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
2-Chlorotoluene	ND		0.00506	0.00168	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
4-Chlorotoluene	ND		0.00506	0.000993	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
Chlorodibromomethane	ND		0.00506	0.00122	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
1,2-Dibromo-3-Chloropropane	ND		0.00506	0.00334	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
Ethylene Dibromide	ND		0.00506	0.00101	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
Dibromomethane	ND		0.00506	0.000841	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
1,2-Dichlorobenzene	ND		0.00506	0.00161	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
1,3-Dichlorobenzene	ND		0.00506	0.000962	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
1,4-Dichlorobenzene	ND		0.00506	0.000871	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
trans-1,4-Dichloro-2-butene	ND		0.00506	0.00253	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
1,1-Dichloroethane	ND		0.00506	0.000841	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
1,2-Dichloroethane	ND		0.00506	0.00186	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
cis-1,2-Dichloroethene	ND		0.00506	0.000770	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
trans-1,2-Dichloroethene	ND		0.00506	0.000972	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
1,1-Dichloroethene	ND		0.00506	0.00213	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
1,2-Dichloropropane	ND		0.00506	0.000770	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
1,3-Dichloropropane	ND		0.00506	0.00101	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
2,2-Dichloropropane	ND		0.00506	0.00111	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
1,1-Dichloropropene	ND		0.00506	0.000841	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
cis-1,3-Dichloropropene	ND		0.00506	0.00122	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
trans-1,3-Dichloropropene	ND		0.00506	0.00111	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
Ethylbenzene	ND		0.00506	0.000618	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
Hexachlorobutadiene	ND		0.00506	0.00253	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
2-Hexanone	ND		0.0253	0.00506	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
Iodomethane	ND		0.00506	0.00344	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
Isopropylbenzene	ND		0.00506	0.000689	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
4-Isopropyltoluene	ND		0.00506	0.00101	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
Methylene Chloride	ND		0.0152	0.0101	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
4-Methyl-2-pentanone (MIBK)	ND		0.0253	0.0136	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
Methyl tert-butyl ether	ND		0.00506	0.00101	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
Naphthalene	ND		0.00506	0.00304	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
N-Propylbenzene	ND		0.00506	0.000912	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1

Client Sample ID: SED-5
Date Collected: 05/30/25 12:15
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276843-6
Matrix: Solid
Percent Solids: 70.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.00506	0.00101	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
1,1,1,2-Tetrachloroethane	ND		0.00506	0.00111	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
1,1,2,2-Tetrachloroethane	ND		0.00506	0.00174	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
Tetrachloroethene	ND		0.00506	0.00304	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
Toluene	ND		0.00506	0.00101	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
1,2,3-Trichlorobenzene	ND		0.00506	0.00111	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
1,2,4-Trichlorobenzene	ND		0.00506	0.00204	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
1,1,1-Trichloroethane	ND		0.00506	0.00111	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
1,1,2-Trichloroethane	ND		0.00506	0.00163	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
Trichloroethene	ND		0.00506	0.00101	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
Trichlorofluoromethane	ND		0.00506	0.00245	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
1,2,3-Trichloropropane	ND		0.00506	0.00211	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00506	0.00190	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
1,2,4-Trimethylbenzene	ND		0.00506	0.00101	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
1,3,5-Trimethylbenzene	ND		0.00506	0.000841	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
Vinyl acetate	ND		0.0253	0.00646	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
Vinyl chloride	ND		0.00506	0.00221	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
o-Xylene	ND		0.00506	0.00304	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
m-Xylene & p-Xylene	ND		0.00506	0.00304	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
Xylenes, Total	ND		0.0101	0.00608	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
Isopropyl ether	ND		0.00506	0.00140	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
Hexane	ND		0.00506	0.00263	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
n-Heptane	ND		0.00506	0.00293	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1
Ethyl acetate	ND		0.0203	0.00506	mg/Kg	☼	06/12/25 11:00	06/12/25 13:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*50 - 150*	*06/12/25 11:00*	*06/12/25 13:50*	*1*
Dibromofluoromethane	*103*		*50 - 150*	*06/12/25 11:00*	*06/12/25 13:50*	*1*
Toluene-d8 (Surr)	*99*		*50 - 150*	*06/12/25 11:00*	*06/12/25 13:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*50 - 150*	*06/12/25 11:00*	*06/12/25 13:50*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**0.0307**		0.00326	0.00326	mg/Kg	☼	06/10/25 14:36	06/24/25 13:52	2

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*59*		*10 - 150*	*06/10/25 14:36*	*06/24/25 13:52*	*2*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		2.25	0.567	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
2,4,5-Trichlorophenol	ND	*+	2.25	0.690	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
2,4,6-Trichlorophenol	ND	*+	2.25	0.717	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
2,4-Dichlorophenol	ND		2.25	0.478	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
2,4-Dimethylphenol	ND	*+	2.25	0.642	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
2,4-Dinitrophenol	ND	*+	6.76	1.98	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
2,4-Dinitrotoluene	ND		2.25	0.690	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
2-Chlorophenol	ND	*-	2.25	0.827	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
2-Chloronaphthalene	ND		2.25	0.526	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
2-Methylnaphthalene	ND		2.25	0.745	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
2-Methylphenol	ND		2.25	0.547	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276843-1

Client Sample ID: SED-5
Date Collected: 05/30/25 12:15
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276843-6
Matrix: Solid
Percent Solids: 70.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		2.25	0.478	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
2-Nitrophenol	ND	*-	2.25	0.806	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
3 & 4 Methylphenol	ND		4.51	0.526	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
3,3'-Dichlorobenzidine	ND		2.25	0.751	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
3-Nitroaniline	ND	*+	2.25	0.533	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
4,6-Dinitro-2-methylphenol	ND		2.25	1.64	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
4-Bromophenyl phenyl ether	ND		2.25	0.717	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
4-Chloro-3-methylphenol	ND	*+	2.25	0.553	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
4-Chloroaniline	ND		2.25	0.553	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
4-Chlorophenyl phenyl ether	ND		2.25	0.225	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
4-Nitroaniline	ND	*+	2.25	0.772	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
Acenaphthene	ND		2.25	0.553	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
Acenaphthylene	ND		2.25	0.601	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
Acetophenone	ND		2.25	0.642	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
Anthracene	ND		2.25	0.533	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
Benzo[a]anthracene	ND		2.25	0.601	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
Benzo[a]pyrene	ND		2.25	0.321	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
Benzo[b]fluoranthene	ND		2.25	0.676	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
Benzo[g,h,i]perylene	ND		2.25	0.751	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
Benzo[k]fluoranthene	ND		2.25	0.533	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
Bis(2-chloroethoxy)methane	ND		2.25	0.499	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
Bis(2-chloroethyl)ether	ND	*+	2.25	0.738	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
Bis(2-ethylhexyl) phthalate	ND		2.25	0.553	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
Chrysene	ND		2.25	0.724	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
Dibenz(a,h)anthracene	ND		2.25	0.868	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
Dibenzofuran	ND		2.25	0.567	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
Di-n-butyl phthalate	ND		2.25	0.663	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
Diethyl phthalate	ND		2.25	0.724	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
Dimethyl phthalate	ND		2.25	0.608	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
Di-n-octyl phthalate	ND		2.25	0.820	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
Fluoranthene	**0.507**	**J**	2.25	0.499	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
Fluorene	ND		2.25	0.615	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
Hexachlorobenzene	ND		2.25	0.683	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
Hexachlorobutadiene	ND		2.25	0.950	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
Hexachlorocyclopentadiene	ND		2.25	0.451	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
Hexachloroethane	ND		2.25	1.04	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
Indeno[1,2,3-cd]pyrene	ND		2.25	0.909	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
Isophorone	ND		2.25	0.458	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
Naphthalene	ND		2.25	0.608	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
Nitrobenzene	ND		2.25	0.669	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
N-Nitrosodiphenylamine	ND		2.25	0.574	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
N-Nitrosodi-n-propylamine	ND		2.25	0.717	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
Pentachlorophenol	ND		4.51	1.09	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
Phenanthrene	ND	*+	2.25	0.553	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
Phenol	ND		2.25	0.608	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
Pyrene	ND		2.25	0.533	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
Butyl benzyl phthalate	ND		2.25	1.09	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
bis (2-chloroisopropyl) ether	ND		2.25	0.861	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
Carbazole	ND		2.25	0.765	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5

Client Sample ID: SED-5
Date Collected: 05/30/25 12:15
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276843-6
Matrix: Solid
Percent Solids: 70.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		2.25	0.704	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
4-Nitrophenol	ND	*+	2.25	2.05	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
Atrazine	ND		2.25	0.615	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
Benzaldehyde	ND		2.25	0.915	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5
Caprolactam	ND		2.25	0.574	mg/Kg	☼	06/10/25 14:55	06/12/25 19:54	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*88*		*10 - 150*	*06/10/25 14:55*	*06/12/25 19:54*	*5*
2-Fluorobiphenyl (Surr)	*67*		*27 - 127*	*06/10/25 14:55*	*06/12/25 19:54*	*5*
2-Fluorophenol (Surr)	*44*		*25 - 128*	*06/10/25 14:55*	*06/12/25 19:54*	*5*
Terphenyl-d14 (Surr)	*65*		*24 - 146*	*06/10/25 14:55*	*06/12/25 19:54*	*5*
Phenol-d5 (Surr)	*43*		*29 - 130*	*06/10/25 14:55*	*06/12/25 19:54*	*5*
Nitrobenzene-d5 (Surr)	*52*		*15 - 136*	*06/10/25 14:55*	*06/12/25 19:54*	*5*

Method: SW846 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		2.82	0.930	mg/Kg	☼		06/05/25 02:12	1
Sulfate	**14.0**	**J**	28.2	10.3	mg/Kg	☼		06/05/25 02:12	1

Method: SW846 6020B - Metals (ICPMS) – Solid Matrix

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**5.24**		1.27	0.127	mg/Kg	☼	06/04/25 05:59	06/04/25 14:47	1
Arsenic	**2.14**		0.380	0.127	mg/Kg	☼	06/04/25 05:59	06/04/25 14:47	1
Barium	**48.8**		0.633	0.0760	mg/Kg	☼	06/04/25 05:59	06/04/25 14:47	1
Beryllium	**0.315**		0.0633	0.0190	mg/Kg	☼	06/04/25 05:59	06/04/25 14:47	1
Cadmium	**0.177**		0.0633	0.0190	mg/Kg	☼	06/04/25 05:59	06/04/25 14:47	1
Chromium	**11.0**		1.27	0.139	mg/Kg	☼	06/04/25 05:59	06/04/25 14:47	1
Cobalt	**3.35**		0.0633	0.0127	mg/Kg	☼	06/04/25 05:59	06/04/25 14:47	1
Copper	**19.4**		0.633	0.165	mg/Kg	☼	06/04/25 05:59	06/04/25 14:47	1
Lead	**43.1**		0.253	0.0633	mg/Kg	☼	06/04/25 05:59	06/04/25 14:47	1
Manganese	**119**		1.27	0.152	mg/Kg	☼	06/04/25 05:59	06/04/25 14:47	1
Nickel	**9.15**		1.27	0.329	mg/Kg	☼	06/04/25 05:59	06/04/25 14:47	1
Selenium	**0.315**	**J**	0.633	0.127	mg/Kg	☼	06/04/25 05:59	06/04/25 14:47	1
Silver	**0.0393**	**J**	0.127	0.0127	mg/Kg	☼	06/04/25 05:59	06/04/25 14:47	1
Thallium	ND		0.127	0.0633	mg/Kg	☼	06/04/25 05:59	06/04/25 14:47	1
Vanadium	**16.9**		0.633	0.342	mg/Kg	☼	06/04/25 05:59	06/04/25 14:47	1
Zinc	**78.5**		2.53	1.27	mg/Kg	☼	06/04/25 05:59	06/04/25 14:47	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0335**		0.0322	0.0103	mg/Kg	☼	06/05/25 15:11	06/09/25 07:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	**70.5**		0.01	0.01	%			06/04/25 18:09	1
Percent Moisture (EPA Moisture)	**29.5**		0.01	0.01	%			06/04/25 18:09	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		1.43	0.457	mg/Kg	☼		06/11/25 10:31	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276843-1

Client Sample ID: SED-4
Date Collected: 05/30/25 13:35
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276843-7
Matrix: Solid
Percent Solids: 75.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0222	0.0106	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
Benzene	ND		0.00443	0.000594	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
Bromobenzene	ND		0.00443	0.00115	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
Chlorobromomethane	ND		0.00443	0.000718	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
Dichlorobromomethane	ND		0.00443	0.000816	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
Bromoform	ND		0.00443	0.00115	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
Bromomethane	ND		0.00443	0.00222	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
2-Butanone (MEK)	ND		0.0222	0.00532	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
n-Butylbenzene	ND		0.00443	0.000851	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
sec-Butylbenzene	ND		0.00443	0.000843	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
tert-Butylbenzene	ND		0.00443	0.000976	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
Carbon disulfide	ND		0.00443	0.00224	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
Carbon tetrachloride	ND		0.00443	0.00151	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
Chlorobenzene	ND		0.00443	0.00117	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
Chloroethane	ND		0.00443	0.00293	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
Chloroform	ND		0.00443	0.00121	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
Chloromethane	ND		0.00443	0.00196	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
2-Chlorotoluene	ND		0.00443	0.00147	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
4-Chlorotoluene	ND		0.00443	0.000869	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
Chlorodibromomethane	ND		0.00443	0.00106	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
1,2-Dibromo-3-Chloropropane	ND		0.00443	0.00293	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
Ethylene Dibromide	ND		0.00443	0.000887	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
Dibromomethane	ND		0.00443	0.000736	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
1,2-Dichlorobenzene	ND		0.00443	0.00141	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
1,3-Dichlorobenzene	ND		0.00443	0.000843	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
1,4-Dichlorobenzene	ND		0.00443	0.000763	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
trans-1,4-Dichloro-2-butene	ND		0.00443	0.00222	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
1,1-Dichloroethane	ND		0.00443	0.000736	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
1,2-Dichloroethane	ND		0.00443	0.00163	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
cis-1,2-Dichloroethene	ND		0.00443	0.000674	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
trans-1,2-Dichloroethene	ND		0.00443	0.000851	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
1,1-Dichloroethene	ND		0.00443	0.00186	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
1,2-Dichloropropane	ND		0.00443	0.000674	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
1,3-Dichloropropane	ND		0.00443	0.000887	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
2,2-Dichloropropane	ND		0.00443	0.000976	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
1,1-Dichloropropene	ND		0.00443	0.000736	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
cis-1,3-Dichloropropene	ND		0.00443	0.00106	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
trans-1,3-Dichloropropene	ND		0.00443	0.000976	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
Ethylbenzene	ND		0.00443	0.000541	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
Hexachlorobutadiene	ND	*+	0.00443	0.00222	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
2-Hexanone	ND		0.0222	0.00443	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
Iodomethane	ND		0.00443	0.00302	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
Isopropylbenzene	ND		0.00443	0.000603	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
4-Isopropyltoluene	ND		0.00443	0.000887	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
Methylene Chloride	ND		0.0133	0.00887	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
4-Methyl-2-pentanone (MIBK)	ND		0.0222	0.0119	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
Methyl tert-butyl ether	ND		0.00443	0.000887	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
Naphthalene	ND		0.00443	0.00266	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
N-Propylbenzene	ND		0.00443	0.000798	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1

Client Sample ID: SED-4
Date Collected: 05/30/25 13:35
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276843-7
Matrix: Solid
Percent Solids: 75.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.00443	0.000887	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
1,1,1,2-Tetrachloroethane	ND		0.00443	0.000976	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
1,1,2,2-Tetrachloroethane	ND		0.00443	0.00153	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
Tetrachloroethene	ND		0.00443	0.00266	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
Toluene	ND		0.00443	0.000887	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
1,2,3-Trichlorobenzene	ND		0.00443	0.000976	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
1,2,4-Trichlorobenzene	ND		0.00443	0.00178	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
1,1,1-Trichloroethane	ND		0.00443	0.000976	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
1,1,2-Trichloroethane	ND		0.00443	0.00143	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
Trichloroethene	ND		0.00443	0.000887	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
Trichlorofluoromethane	ND		0.00443	0.00215	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
1,2,3-Trichloropropane	ND		0.00443	0.00184	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00443	0.00167	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
1,2,4-Trimethylbenzene	ND		0.00443	0.000887	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
1,3,5-Trimethylbenzene	ND		0.00443	0.000736	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
Vinyl acetate	ND		0.0222	0.00566	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
Vinyl chloride	ND		0.00443	0.00193	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
o-Xylene	ND		0.00443	0.00266	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
m-Xylene & p-Xylene	ND		0.00443	0.00266	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
Xylenes, Total	ND		0.00887	0.00532	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
Isopropyl ether	ND		0.00443	0.00122	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
Hexane	ND		0.00443	0.00231	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
n-Heptane	ND		0.00443	0.00256	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1
Ethyl acetate	ND		0.0177	0.00443	mg/Kg	☼	06/10/25 09:27	06/10/25 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*50 - 150*	*06/10/25 09:27*	*06/10/25 17:10*	*1*
Dibromofluoromethane	*113*		*50 - 150*	*06/10/25 09:27*	*06/10/25 17:10*	*1*
Toluene-d8 (Surr)	*96*		*50 - 150*	*06/10/25 09:27*	*06/10/25 17:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*50 - 150*	*06/10/25 09:27*	*06/10/25 17:10*	*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	**0.0132**		0.00752	0.00752	mg/Kg	☼	06/10/25 14:36	06/15/25 07:23	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*22*		*10 - 150*	*06/10/25 14:36*	*06/15/25 07:23*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		2.10	0.528	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
2,4,5-Trichlorophenol	ND	*+	2.10	0.643	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
2,4,6-Trichlorophenol	ND	*+	2.10	0.668	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
2,4-Dichlorophenol	ND		2.10	0.445	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
2,4-Dimethylphenol	ND	*+	2.10	0.598	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
2,4-Dinitrophenol	ND	*+	6.30	1.85	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
2,4-Dinitrotoluene	ND		2.10	0.643	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
2-Chlorophenol	ND	*-	2.10	0.770	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
2-Chloronaphthalene	ND		2.10	0.490	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
2-Methylnaphthalene	ND		2.10	0.694	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
2-Methylphenol	ND		2.10	0.509	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276843-1

Client Sample ID: SED-4
Date Collected: 05/30/25 13:35
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276843-7
Matrix: Solid
Percent Solids: 75.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		2.10	0.445	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
2-Nitrophenol	ND	*-	2.10	0.751	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
3 & 4 Methylphenol	ND		4.20	0.490	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
3,3'-Dichlorobenzidine	ND		2.10	0.700	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
3-Nitroaniline	ND	*+	2.10	0.496	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
4,6-Dinitro-2-methylphenol	ND		2.10	1.53	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
4-Bromophenyl phenyl ether	ND		2.10	0.668	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
4-Chloro-3-methylphenol	ND	*+	2.10	0.515	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
4-Chloroaniline	ND		2.10	0.515	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
4-Chlorophenyl phenyl ether	ND		2.10	0.210	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
4-Nitroaniline	ND	*+	2.10	0.719	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
Acenaphthene	ND		2.10	0.515	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
Acenaphthylene	ND		2.10	0.560	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
Acetophenone	ND		2.10	0.598	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
Anthracene	ND		2.10	0.496	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
Benzo[a]anthracene	ND		2.10	0.560	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
Benzo[a]pyrene	ND		2.10	0.299	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
Benzo[b]fluoranthene	ND		2.10	0.630	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
Benzo[g,h,i]perylene	ND		2.10	0.700	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
Benzo[k]fluoranthene	ND		2.10	0.496	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
Bis(2-chloroethoxy)methane	ND		2.10	0.465	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
Bis(2-chloroethyl)ether	ND	*+	2.10	0.687	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
Bis(2-ethylhexyl) phthalate	ND		2.10	0.515	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
Chrysene	ND		2.10	0.675	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
Dibenz(a,h)anthracene	ND		2.10	0.808	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
Dibenzofuran	ND		2.10	0.528	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
Di-n-butyl phthalate	ND		2.10	0.617	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
Diethyl phthalate	ND		2.10	0.675	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
Dimethyl phthalate	ND		2.10	0.566	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
Di-n-octyl phthalate	ND		2.10	0.764	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
Fluoranthene	ND		2.10	0.465	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
Fluorene	ND		2.10	0.573	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
Hexachlorobenzene	ND		2.10	0.636	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
Hexachlorobutadiene	ND		2.10	0.885	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
Hexachlorocyclopentadiene	ND		2.10	0.420	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
Hexachloroethane	ND		2.10	0.967	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
Indeno[1,2,3-cd]pyrene	ND		2.10	0.846	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
Isophorone	ND		2.10	0.426	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
Naphthalene	ND		2.10	0.566	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
Nitrobenzene	ND		2.10	0.624	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
N-Nitrosodiphenylamine	ND		2.10	0.535	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
N-Nitrosodi-n-propylamine	ND		2.10	0.668	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
Pentachlorophenol	ND		4.20	1.02	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
Phenanthrene	ND	*+	2.10	0.515	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
Phenol	ND		2.10	0.566	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
Pyrene	ND		2.10	0.496	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
Butyl benzyl phthalate	ND		2.10	1.02	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
bis (2-chloroisopropyl) ether	ND		2.10	0.802	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
Carbazole	ND		2.10	0.713	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5

Client Sample ID: SED-4

Date Collected: 05/30/25 13:35
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276843-7

Matrix: Solid
Percent Solids: 75.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		2.10	0.655	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
4-Nitrophenol	ND	*+	2.10	1.91	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
Atrazine	ND		2.10	0.573	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
Benzaldehyde	ND		2.10	0.853	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5
Caprolactam	ND		2.10	0.535	mg/Kg	☼	06/10/25 14:55	06/12/25 20:22	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*99*		*10 - 150*	*06/10/25 14:55*	*06/12/25 20:22*	*5*
2-Fluorobiphenyl (Surr)	*77*		*27 - 127*	*06/10/25 14:55*	*06/12/25 20:22*	*5*
2-Fluorophenol (Surr)	*54*		*25 - 128*	*06/10/25 14:55*	*06/12/25 20:22*	*5*
Terphenyl-d14 (Surr)	*78*		*24 - 146*	*06/10/25 14:55*	*06/12/25 20:22*	*5*
Phenol-d5 (Surr)	*52*		*29 - 130*	*06/10/25 14:55*	*06/12/25 20:22*	*5*
Nitrobenzene-d5 (Surr)	*61*		*15 - 136*	*06/10/25 14:55*	*06/12/25 20:22*	*5*

Method: SW846 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		2.64	0.873	mg/Kg	☼		06/05/25 02:37	1
Sulfate	**26.4**		26.4	9.65	mg/Kg	☼		06/05/25 02:37	1

Method: SW846 6020B - Metals (ICPMS) – Solid Matrix

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.417**	**J**	1.25	0.125	mg/Kg	☼	06/04/25 05:59	06/04/25 14:55	1
Arsenic	**0.851**		0.376	0.125	mg/Kg	☼	06/04/25 05:59	06/04/25 14:55	1
Barium	**36.2**		0.626	0.0751	mg/Kg	☼	06/04/25 05:59	06/04/25 14:55	1
Beryllium	**0.252**		0.0626	0.0188	mg/Kg	☼	06/04/25 05:59	06/04/25 14:55	1
Cadmium	**0.115**		0.0626	0.0188	mg/Kg	☼	06/04/25 05:59	06/04/25 14:55	1
Chromium	**8.28**		1.25	0.138	mg/Kg	☼	06/04/25 05:59	06/04/25 14:55	1
Cobalt	**4.16**		0.0626	0.0125	mg/Kg	☼	06/04/25 05:59	06/04/25 14:55	1
Copper	**15.7**		0.626	0.163	mg/Kg	☼	06/04/25 05:59	06/04/25 14:55	1
Lead	**125**		0.250	0.0626	mg/Kg	☼	06/04/25 05:59	06/04/25 14:55	1
Manganese	**98.8**		1.25	0.150	mg/Kg	☼	06/04/25 05:59	06/04/25 14:55	1
Nickel	**15.0**		1.25	0.325	mg/Kg	☼	06/04/25 05:59	06/04/25 14:55	1
Selenium	**0.210**	**J**	0.626	0.125	mg/Kg	☼	06/04/25 05:59	06/04/25 14:55	1
Silver	**0.0225**	**J**	0.125	0.0125	mg/Kg	☼	06/04/25 05:59	06/04/25 14:55	1
Thallium	ND		0.125	0.0626	mg/Kg	☼	06/04/25 05:59	06/04/25 14:55	1
Vanadium	**13.3**		0.626	0.338	mg/Kg	☼	06/04/25 05:59	06/04/25 14:55	1
Zinc	**71.0**		2.50	1.25	mg/Kg	☼	06/04/25 05:59	06/04/25 14:55	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0184**	**J**	0.0286	0.00915	mg/Kg	☼	06/05/25 15:13	06/09/25 07:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	**75.4**		0.01	0.01	%			06/04/25 18:09	1
Percent Moisture (EPA Moisture)	**24.6**		0.01	0.01	%			06/04/25 18:09	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	**0.468**	**J**	1.30	0.416	mg/Kg	☼		06/11/25 10:34	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276843-1

Client Sample ID: SED-3
Date Collected: 05/30/25 14:00
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276843-8
Matrix: Solid
Percent Solids: 88.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0211	J	0.0215	0.0103	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
Benzene	ND		0.00430	0.000576	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
Bromobenzene	ND		0.00430	0.00112	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
Chlorobromomethane	ND		0.00430	0.000696	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
Dichlorobromomethane	ND		0.00430	0.000791	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
Bromoform	ND		0.00430	0.00112	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
Bromomethane	ND		0.00430	0.00215	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
2-Butanone (MEK)	ND		0.0215	0.00516	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
n-Butylbenzene	ND		0.00430	0.000825	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
sec-Butylbenzene	ND		0.00430	0.000817	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
tert-Butylbenzene	ND		0.00430	0.000945	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
Carbon disulfide	ND		0.00430	0.00217	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
Carbon tetrachloride	ND		0.00430	0.00146	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
Chlorobenzene	ND		0.00430	0.00113	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
Chloroethane	ND		0.00430	0.00284	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
Chloroform	ND		0.00430	0.00117	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
Chloromethane	ND		0.00430	0.00190	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
2-Chlorotoluene	ND		0.00430	0.00143	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
4-Chlorotoluene	ND		0.00430	0.000842	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
Chlorodibromomethane	ND		0.00430	0.00103	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
1,2-Dibromo-3-Chloropropane	ND		0.00430	0.00284	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
Ethylene Dibromide	ND		0.00430	0.000859	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
Dibromomethane	ND		0.00430	0.000713	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
1,2-Dichlorobenzene	ND		0.00430	0.00137	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
1,3-Dichlorobenzene	ND		0.00430	0.000817	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
1,4-Dichlorobenzene	ND		0.00430	0.000739	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
trans-1,4-Dichloro-2-butene	ND		0.00430	0.00215	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
1,1-Dichloroethane	ND		0.00430	0.000713	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
1,2-Dichloroethane	ND		0.00430	0.00158	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
cis-1,2-Dichloroethene	ND		0.00430	0.000653	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
trans-1,2-Dichloroethene	ND		0.00430	0.000825	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
1,1-Dichloroethene	ND		0.00430	0.00180	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
1,2-Dichloropropane	ND		0.00430	0.000653	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
1,3-Dichloropropane	ND		0.00430	0.000859	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
2,2-Dichloropropane	ND		0.00430	0.000945	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
1,1-Dichloropropene	ND		0.00430	0.000713	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
cis-1,3-Dichloropropene	ND		0.00430	0.00103	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
trans-1,3-Dichloropropene	ND		0.00430	0.000945	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
Ethylbenzene	ND		0.00430	0.000524	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
Hexachlorobutadiene	ND	*+	0.00430	0.00215	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
2-Hexanone	ND		0.0215	0.00430	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
Iodomethane	ND		0.00430	0.00292	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
Isopropylbenzene	ND		0.00430	0.000584	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
4-Isopropyltoluene	ND		0.00430	0.000859	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
Methylene Chloride	ND		0.0129	0.00859	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
4-Methyl-2-pentanone (MIBK)	ND		0.0215	0.0115	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
Methyl tert-butyl ether	ND		0.00430	0.000859	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
Naphthalene	ND		0.00430	0.00258	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
N-Propylbenzene	ND		0.00430	0.000774	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1

Client Sample ID: SED-3
Date Collected: 05/30/25 14:00
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276843-8
Matrix: Solid
Percent Solids: 88.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.00430	0.000859	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
1,1,1,2-Tetrachloroethane	ND		0.00430	0.000945	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
1,1,2,2-Tetrachloroethane	ND		0.00430	0.00148	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
Tetrachloroethene	ND		0.00430	0.00258	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
Toluene	ND		0.00430	0.000859	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
1,2,3-Trichlorobenzene	ND		0.00430	0.000945	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
1,2,4-Trichlorobenzene	ND		0.00430	0.00173	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
1,1,1-Trichloroethane	ND		0.00430	0.000945	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
1,1,2-Trichloroethane	ND		0.00430	0.00138	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
Trichloroethene	ND		0.00430	0.000859	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
Trichlorofluoromethane	ND		0.00430	0.00208	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
1,2,3-Trichloropropane	ND		0.00430	0.00179	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00430	0.00162	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
1,2,4-Trimethylbenzene	ND		0.00430	0.000859	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
1,3,5-Trimethylbenzene	ND		0.00430	0.000713	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
Vinyl acetate	ND		0.0215	0.00548	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
Vinyl chloride	ND		0.00430	0.00187	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
o-Xylene	ND		0.00430	0.00258	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
m-Xylene & p-Xylene	ND		0.00430	0.00258	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
Xylenes, Total	ND		0.00859	0.00516	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
Isopropyl ether	ND		0.00430	0.00119	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
Hexane	ND		0.00430	0.00223	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
n-Heptane	ND		0.00430	0.00248	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1
Ethyl acetate	ND		0.0172	0.00430	mg/Kg	☼	06/10/25 09:27	06/10/25 17:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*50 - 150*	*06/10/25 09:27*	*06/10/25 17:35*	*1*
Dibromofluoromethane	*116*		*50 - 150*	*06/10/25 09:27*	*06/10/25 17:35*	*1*
Toluene-d8 (Surr)	*93*		*50 - 150*	*06/10/25 09:27*	*06/10/25 17:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*121*		*50 - 150*	*06/10/25 09:27*	*06/10/25 17:35*	*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	0.00705		0.00265	0.00265	mg/Kg	☼	06/10/25 14:36	06/24/25 14:14	2

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*62*		*10 - 150*	*06/10/25 14:36*	*06/24/25 14:14*	*2*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.86	0.467	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
2,4,5-Trichlorophenol	ND	*+	1.86	0.568	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
2,4,6-Trichlorophenol	ND	*+	1.86	0.591	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
2,4-Dichlorophenol	ND		1.86	0.394	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
2,4-Dimethylphenol	ND	*+	1.86	0.529	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
2,4-Dinitrophenol	ND	*+	5.57	1.63	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
2,4-Dinitrotoluene	ND		1.86	0.568	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
2-Chlorophenol	ND	*-	1.86	0.681	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
2-Chloronaphthalene	ND		1.86	0.433	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
2-Methylnaphthalene	ND		1.86	0.614	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
2-Methylphenol	ND		1.86	0.450	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276843-1

Client Sample ID: SED-3
Date Collected: 05/30/25 14:00
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276843-8
Matrix: Solid
Percent Solids: 88.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		1.86	0.394	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
2-Nitrophenol	ND	*-	1.86	0.664	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
3 & 4 Methylphenol	ND		3.71	0.433	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
3,3'-Dichlorobenzidine	ND		1.86	0.619	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
3-Nitroaniline	ND	*+	1.86	0.439	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
4,6-Dinitro-2-methylphenol	ND		1.86	1.35	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
4-Bromophenyl phenyl ether	ND		1.86	0.591	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
4-Chloro-3-methylphenol	ND	*+	1.86	0.456	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
4-Chloroaniline	ND		1.86	0.456	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
4-Chlorophenyl phenyl ether	ND		1.86	0.186	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
4-Nitroaniline	ND	*+	1.86	0.636	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
Acenaphthene	ND		1.86	0.456	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
Acenaphthylene	ND		1.86	0.495	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
Acetophenone	ND		1.86	0.529	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
Anthracene	ND		1.86	0.439	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
Benzo[a]anthracene	ND		1.86	0.495	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
Benzo[a]pyrene	ND		1.86	0.265	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
Benzo[b]fluoranthene	ND		1.86	0.557	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
Benzo[g,h,i]perylene	ND		1.86	0.619	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
Benzo[k]fluoranthene	ND		1.86	0.439	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
Bis(2-chloroethoxy)methane	ND		1.86	0.411	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
Bis(2-chloroethyl)ether	ND	*+	1.86	0.608	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
Bis(2-ethylhexyl) phthalate	ND		1.86	0.456	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
Chrysene	ND		1.86	0.597	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
Dibenz(a,h)anthracene	ND		1.86	0.715	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
Dibenzofuran	ND		1.86	0.467	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
Di-n-butyl phthalate	ND		1.86	0.546	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
Diethyl phthalate	ND		1.86	0.597	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
Dimethyl phthalate	ND		1.86	0.501	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
Di-n-octyl phthalate	ND		1.86	0.675	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
Fluoranthene	**0.472**	**J**	1.86	0.411	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
Fluorene	ND		1.86	0.507	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
Hexachlorobenzene	ND		1.86	0.563	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
Hexachlorobutadiene	ND		1.86	0.782	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
Hexachlorocyclopentadiene	ND		1.86	0.371	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
Hexachloroethane	ND		1.86	0.856	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
Indeno[1,2,3-cd]pyrene	ND		1.86	0.749	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
Isophorone	ND		1.86	0.377	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
Naphthalene	ND		1.86	0.501	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
Nitrobenzene	ND		1.86	0.552	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
N-Nitrosodiphenylamine	ND		1.86	0.473	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
N-Nitrosodi-n-propylamine	ND		1.86	0.591	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
Pentachlorophenol	ND		3.71	0.901	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
Phenanthrene	ND	*+	1.86	0.456	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
Phenol	ND		1.86	0.501	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
Pyrene	ND		1.86	0.439	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
Butyl benzyl phthalate	ND		1.86	0.901	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
bis (2-chloroisopropyl) ether	ND		1.86	0.709	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
Carbazole	ND		1.86	0.630	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5

Client Sample ID: SED-3

Date Collected: 05/30/25 14:00
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276843-8

Matrix: Solid
Percent Solids: 88.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		1.86	0.580	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
4-Nitrophenol	ND	*+	1.86	1.69	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
Atrazine	ND		1.86	0.507	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
Benzaldehyde	ND		1.86	0.754	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5
Caprolactam	ND		1.86	0.473	mg/Kg	☼	06/10/25 14:55	06/12/25 20:48	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*97*		*10 - 150*	*06/10/25 14:55*	*06/12/25 20:48*	*5*
2-Fluorobiphenyl (Surr)	*76*		*27 - 127*	*06/10/25 14:55*	*06/12/25 20:48*	*5*
2-Fluorophenol (Surr)	*53*		*25 - 128*	*06/10/25 14:55*	*06/12/25 20:48*	*5*
Terphenyl-d14 (Surr)	*79*		*24 - 146*	*06/10/25 14:55*	*06/12/25 20:48*	*5*
Phenol-d5 (Surr)	*52*		*29 - 130*	*06/10/25 14:55*	*06/12/25 20:48*	*5*
Nitrobenzene-d5 (Surr)	*62*		*15 - 136*	*06/10/25 14:55*	*06/12/25 20:48*	*5*

Method: SW846 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		2.24	0.738	mg/Kg	☼		06/05/25 02:46	1
Sulfate	**15.6**	**J**	22.4	8.16	mg/Kg	☼		06/05/25 02:46	1

Method: SW846 6020B - Metals (ICPMS) – Solid Matrix

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.243**	**J**	0.971	0.0971	mg/Kg	☼	06/04/25 05:59	06/04/25 14:57	1
Arsenic	**1.74**		0.291	0.0971	mg/Kg	☼	06/04/25 05:59	06/04/25 14:57	1
Barium	**36.8**		0.486	0.0583	mg/Kg	☼	06/04/25 05:59	06/04/25 14:57	1
Beryllium	**0.186**		0.0486	0.0146	mg/Kg	☼	06/04/25 05:59	06/04/25 14:57	1
Cadmium	**0.106**		0.0486	0.0146	mg/Kg	☼	06/04/25 05:59	06/04/25 14:57	1
Chromium	**9.40**		0.971	0.107	mg/Kg	☼	06/04/25 05:59	06/04/25 14:57	1
Cobalt	**4.06**		0.0486	0.00971	mg/Kg	☼	06/04/25 05:59	06/04/25 14:57	1
Copper	**11.7**		0.486	0.126	mg/Kg	☼	06/04/25 05:59	06/04/25 14:57	1
Lead	**66.8**		0.194	0.0486	mg/Kg	☼	06/04/25 05:59	06/04/25 14:57	1
Manganese	**116**		0.971	0.117	mg/Kg	☼	06/04/25 05:59	06/04/25 14:57	1
Nickel	**13.7**		0.971	0.252	mg/Kg	☼	06/04/25 05:59	06/04/25 14:57	1
Selenium	**0.206**	**J**	0.486	0.0971	mg/Kg	☼	06/04/25 05:59	06/04/25 14:57	1
Silver	**0.0126**	**J**	0.0971	0.00971	mg/Kg	☼	06/04/25 05:59	06/04/25 14:57	1
Thallium	ND		0.0971	0.0486	mg/Kg	☼	06/04/25 05:59	06/04/25 14:57	1
Vanadium	**19.0**		0.486	0.262	mg/Kg	☼	06/04/25 05:59	06/04/25 14:57	1
Zinc	**51.8**		1.94	0.971	mg/Kg	☼	06/04/25 05:59	06/04/25 14:57	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0250**	**J**	0.0261	0.00834	mg/Kg	☼	06/05/25 15:11	06/09/25 07:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	**88.8**		0.01	0.01	%			06/04/25 18:09	1
Percent Moisture (EPA Moisture)	**11.2**		0.01	0.01	%			06/04/25 18:09	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		1.08	0.345	mg/Kg	☼		06/11/25 10:36	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276843-1

Client Sample ID: SED-2
Date Collected: 05/30/25 14:35
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276843-9
Matrix: Solid
Percent Solids: 82.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0180	J	0.0245	0.0118	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
Benzene	ND		0.00491	0.000658	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
Bromobenzene	ND		0.00491	0.00128	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
Chlorobromomethane	ND		0.00491	0.000795	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
Dichlorobromomethane	ND		0.00491	0.000903	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
Bromoform	ND		0.00491	0.00128	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
Bromomethane	ND		0.00491	0.00245	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
2-Butanone (MEK)	ND		0.0245	0.00589	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
n-Butylbenzene	ND		0.00491	0.000942	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
sec-Butylbenzene	ND		0.00491	0.000932	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
tert-Butylbenzene	ND		0.00491	0.00108	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
Carbon disulfide	ND		0.00491	0.00248	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
Carbon tetrachloride	ND		0.00491	0.00167	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
Chlorobenzene	ND		0.00491	0.00130	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
Chloroethane	ND		0.00491	0.00324	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
Chloroform	ND		0.00491	0.00133	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
Chloromethane	ND		0.00491	0.00217	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
2-Chlorotoluene	ND		0.00491	0.00163	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
4-Chlorotoluene	ND		0.00491	0.000962	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
Chlorodibromomethane	ND		0.00491	0.00118	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
1,2-Dibromo-3-Chloropropane	ND		0.00491	0.00324	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
Ethylene Dibromide	ND		0.00491	0.000981	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
Dibromomethane	ND		0.00491	0.000815	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
1,2-Dichlorobenzene	ND		0.00491	0.00156	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
1,3-Dichlorobenzene	ND		0.00491	0.000932	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
1,4-Dichlorobenzene	ND		0.00491	0.000844	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
trans-1,4-Dichloro-2-butene	ND		0.00491	0.00245	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
1,1-Dichloroethane	ND		0.00491	0.000815	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
1,2-Dichloroethane	ND		0.00491	0.00181	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
cis-1,2-Dichloroethene	ND		0.00491	0.000746	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
trans-1,2-Dichloroethene	ND		0.00491	0.000942	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
1,1-Dichloroethene	ND		0.00491	0.00206	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
1,2-Dichloropropane	ND		0.00491	0.000746	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
1,3-Dichloropropane	ND		0.00491	0.000981	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
2,2-Dichloropropane	ND		0.00491	0.00108	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
1,1-Dichloropropene	ND		0.00491	0.000815	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
cis-1,3-Dichloropropene	ND		0.00491	0.00118	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
trans-1,3-Dichloropropene	ND		0.00491	0.00108	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
Ethylbenzene	ND		0.00491	0.000599	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
Hexachlorobutadiene	ND	*+	0.00491	0.00245	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
2-Hexanone	ND		0.0245	0.00491	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
Iodomethane	ND		0.00491	0.00334	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
Isopropylbenzene	ND		0.00491	0.000667	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
4-Isopropyltoluene	ND		0.00491	0.000981	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
Methylene Chloride	ND		0.0147	0.00981	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
4-Methyl-2-pentanone (MIBK)	ND		0.0245	0.0132	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
Methyl tert-butyl ether	ND		0.00491	0.000981	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
Naphthalene	ND		0.00491	0.00294	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
N-Propylbenzene	ND		0.00491	0.000883	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1

Client Sample ID: SED-2
Date Collected: 05/30/25 14:35
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276843-9
Matrix: Solid
Percent Solids: 82.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.00491	0.000981	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
1,1,1,2-Tetrachloroethane	ND		0.00491	0.00108	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
1,1,2,2-Tetrachloroethane	ND		0.00491	0.00169	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
Tetrachloroethene	ND		0.00491	0.00294	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
Toluene	ND		0.00491	0.000981	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
1,2,3-Trichlorobenzene	ND		0.00491	0.00108	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
1,2,4-Trichlorobenzene	ND		0.00491	0.00197	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
1,1,1-Trichloroethane	ND		0.00491	0.00108	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
1,1,2-Trichloroethane	ND		0.00491	0.00158	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
Trichloroethene	ND		0.00491	0.000981	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
Trichlorofluoromethane	ND		0.00491	0.00238	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
1,2,3-Trichloropropane	ND		0.00491	0.00204	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00491	0.00185	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
1,2,4-Trimethylbenzene	ND		0.00491	0.000981	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
1,3,5-Trimethylbenzene	ND		0.00491	0.000815	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
Vinyl acetate	ND		0.0245	0.00626	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
Vinyl chloride	ND		0.00491	0.00214	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
o-Xylene	ND		0.00491	0.00294	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
m-Xylene & p-Xylene	ND		0.00491	0.00294	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
Xylenes, Total	ND		0.00981	0.00589	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
Isopropyl ether	ND		0.00491	0.00135	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
Hexane	ND		0.00491	0.00255	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
n-Heptane	ND		0.00491	0.00284	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1
Ethyl acetate	ND		0.0196	0.00491	mg/Kg	☼	06/10/25 09:27	06/10/25 17:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*50 - 150*	*06/10/25 09:27*	*06/10/25 17:59*	*1*
Dibromofluoromethane	*114*		*50 - 150*	*06/10/25 09:27*	*06/10/25 17:59*	*1*
Toluene-d8 (Surr)	*95*		*50 - 150*	*06/10/25 09:27*	*06/10/25 17:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*50 - 150*	*06/10/25 09:27*	*06/10/25 17:59*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**0.00970**		0.00281	0.00281	mg/Kg	☼	06/10/25 14:36	06/24/25 14:36	2

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*63*		*10 - 150*	*06/10/25 14:36*	*06/24/25 14:36*	*2*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.95	0.490	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
2,4,5-Trichlorophenol	ND	*+	1.95	0.597	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
2,4,6-Trichlorophenol	ND	*+	1.95	0.620	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
2,4-Dichlorophenol	ND		1.95	0.414	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
2,4-Dimethylphenol	ND	*+	1.95	0.555	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
2,4-Dinitrophenol	ND	*+	5.85	1.71	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
2,4-Dinitrotoluene	ND		1.95	0.597	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
2-Chlorophenol	ND	*-	1.95	0.715	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
2-Chloronaphthalene	ND		1.95	0.455	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
2-Methylnaphthalene	ND		1.95	0.644	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
2-Methylphenol	ND		1.95	0.473	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276843-1

Client Sample ID: SED-2
Date Collected: 05/30/25 14:35
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276843-9
Matrix: Solid
Percent Solids: 82.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		1.95	0.414	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
2-Nitrophenol	ND	*-	1.95	0.697	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
3 & 4 Methylphenol	ND		3.90	0.455	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
3,3'-Dichlorobenzidine	ND	*3	1.95	0.650	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
3-Nitroaniline	ND	*+	1.95	0.461	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
4,6-Dinitro-2-methylphenol	ND		1.95	1.42	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
4-Bromophenyl phenyl ether	ND		1.95	0.620	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
4-Chloro-3-methylphenol	ND	*+	1.95	0.479	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
4-Chloroaniline	ND		1.95	0.479	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
4-Chlorophenyl phenyl ether	ND		1.95	0.195	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
4-Nitroaniline	ND	*+	1.95	0.668	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
Acenaphthene	ND		1.95	0.479	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
Acenaphthylene	ND		1.95	0.520	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
Acetophenone	ND		1.95	0.555	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
Anthracene	ND		1.95	0.461	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
Benzo[a]anthracene	ND	*3	1.95	0.520	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
Benzo[a]pyrene	ND	*3	1.95	0.278	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
Benzo[b]fluoranthene	ND	*3	1.95	0.585	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
Benzo[g,h,i]perylene	ND	*3	1.95	0.650	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
Benzo[k]fluoranthene	ND	*3	1.95	0.461	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
Bis(2-chloroethoxy)methane	ND		1.95	0.431	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
Bis(2-chloroethyl)ether	ND	*+	1.95	0.638	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
Bis(2-ethylhexyl) phthalate	ND	*3	1.95	0.479	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
Chrysene	ND	*3	1.95	0.626	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
Dibenz(a,h)anthracene	ND	*3	1.95	0.750	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
Dibenzofuran	ND		1.95	0.490	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
Di-n-butyl phthalate	ND		1.95	0.573	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
Diethyl phthalate	ND		1.95	0.626	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
Dimethyl phthalate	ND		1.95	0.526	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
Di-n-octyl phthalate	ND	*3	1.95	0.709	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
Fluoranthene	ND		1.95	0.431	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
Fluorene	ND		1.95	0.532	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
Hexachlorobenzene	ND		1.95	0.591	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
Hexachlorobutadiene	ND		1.95	0.821	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
Hexachlorocyclopentadiene	ND		1.95	0.390	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
Hexachloroethane	ND		1.95	0.898	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
Indeno[1,2,3-cd]pyrene	ND	*3	1.95	0.786	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
Isophorone	ND		1.95	0.396	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
Naphthalene	ND		1.95	0.526	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
Nitrobenzene	ND		1.95	0.579	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
N-Nitrosodiphenylamine	ND		1.95	0.496	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
N-Nitrosodi-n-propylamine	ND		1.95	0.620	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
Pentachlorophenol	ND		3.90	0.945	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
Phenanthrene	ND	*+	1.95	0.479	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
Phenol	ND		1.95	0.526	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
Pyrene	ND	*3	1.95	0.461	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
Butyl benzyl phthalate	ND	*3	1.95	0.945	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
bis (2-chloroisopropyl) ether	ND		1.95	0.745	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
Carbazole	ND		1.95	0.662	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5

Client Sample ID: SED-2
Date Collected: 05/30/25 14:35
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276843-9
Matrix: Solid
Percent Solids: 82.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		1.95	0.609	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
4-Nitrophenol	ND	*+	1.95	1.77	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
Atrazine	ND		1.95	0.532	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
Benzaldehyde	ND		1.95	0.792	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5
Caprolactam	ND		1.95	0.496	mg/Kg	☼	06/10/25 14:55	06/12/25 21:15	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*93*		*10 - 150*	*06/10/25 14:55*	*06/12/25 21:15*	*5*
2-Fluorobiphenyl (Surr)	*78*		*27 - 127*	*06/10/25 14:55*	*06/12/25 21:15*	*5*
2-Fluorophenol (Surr)	*49*		*25 - 128*	*06/10/25 14:55*	*06/12/25 21:15*	*5*
Terphenyl-d14 (Surr)	*78*	*3*	*24 - 146*	*06/10/25 14:55*	*06/12/25 21:15*	*5*
Phenol-d5 (Surr)	*51*		*29 - 130*	*06/10/25 14:55*	*06/12/25 21:15*	*5*
Nitrobenzene-d5 (Surr)	*60*		*15 - 136*	*06/10/25 14:55*	*06/12/25 21:15*	*5*

Method: SW846 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		2.39	0.790	mg/Kg	☼		06/05/25 02:54	1
Sulfate	**18.5**	**J**	23.9	8.74	mg/Kg	☼		06/05/25 02:54	1

Method: SW846 6020B - Metals (ICPMS) – Solid Matrix

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.139**	**J**	1.01	0.101	mg/Kg	☼	06/04/25 05:59	06/04/25 15:00	1
Arsenic	**0.732**		0.302	0.101	mg/Kg	☼	06/04/25 05:59	06/04/25 15:00	1
Barium	**39.8**		0.503	0.0604	mg/Kg	☼	06/04/25 05:59	06/04/25 15:00	1
Beryllium	**0.242**		0.0503	0.0151	mg/Kg	☼	06/04/25 05:59	06/04/25 15:00	1
Cadmium	**0.0564**		0.0503	0.0151	mg/Kg	☼	06/04/25 05:59	06/04/25 15:00	1
Chromium	**8.97**		1.01	0.111	mg/Kg	☼	06/04/25 05:59	06/04/25 15:00	1
Cobalt	**3.33**		0.0503	0.0101	mg/Kg	☼	06/04/25 05:59	06/04/25 15:00	1
Copper	**11.4**		0.503	0.131	mg/Kg	☼	06/04/25 05:59	06/04/25 15:00	1
Lead	**25.4**		0.201	0.0503	mg/Kg	☼	06/04/25 05:59	06/04/25 15:00	1
Manganese	**129**		1.01	0.121	mg/Kg	☼	06/04/25 05:59	06/04/25 15:00	1
Nickel	**9.15**		1.01	0.262	mg/Kg	☼	06/04/25 05:59	06/04/25 15:00	1
Selenium	**0.215**	**J**	0.503	0.101	mg/Kg	☼	06/04/25 05:59	06/04/25 15:00	1
Silver	**0.0272**	**J**	0.101	0.0101	mg/Kg	☼	06/04/25 05:59	06/04/25 15:00	1
Thallium	ND		0.101	0.0503	mg/Kg	☼	06/04/25 05:59	06/04/25 15:00	1
Vanadium	**14.0**		0.503	0.272	mg/Kg	☼	06/04/25 05:59	06/04/25 15:00	1
Zinc	**48.4**		2.01	1.01	mg/Kg	☼	06/04/25 05:59	06/04/25 15:00	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0213**	**J**	0.0290	0.00929	mg/Kg	☼	06/05/25 15:13	06/09/25 07:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	**82.8**		0.01	0.01	%			06/04/25 18:09	1
Percent Moisture (EPA Moisture)	**17.2**		0.01	0.01	%			06/04/25 18:09	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		1.14	0.363	mg/Kg	☼		06/11/25 10:50	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276843-1

Client Sample ID: SED-1
Date Collected: 05/30/25 15:20
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276843-10
Matrix: Solid
Percent Solids: 89.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0217	0.0104	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
Benzene	ND		0.00434	0.000582	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
Bromobenzene	ND		0.00434	0.00113	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
Chlorobromomethane	ND		0.00434	0.000703	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
Dichlorobromomethane	ND		0.00434	0.000799	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
Bromoform	ND		0.00434	0.00113	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
Bromomethane	ND		0.00434	0.00217	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
2-Butanone (MEK)	ND		0.0217	0.00521	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
n-Butylbenzene	ND		0.00434	0.000834	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
sec-Butylbenzene	ND		0.00434	0.000825	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
tert-Butylbenzene	ND		0.00434	0.000955	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
Carbon disulfide	ND		0.00434	0.00220	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
Carbon tetrachloride	ND		0.00434	0.00148	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
Chlorobenzene	ND		0.00434	0.00115	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
Chloroethane	ND		0.00434	0.00287	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
Chloroform	ND		0.00434	0.00118	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
Chloromethane	ND		0.00434	0.00192	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
2-Chlorotoluene	ND		0.00434	0.00144	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
4-Chlorotoluene	ND		0.00434	0.000851	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
Chlorodibromomethane	ND		0.00434	0.00104	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
1,2-Dibromo-3-Chloropropane	ND		0.00434	0.00287	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
Ethylene Dibromide	ND		0.00434	0.000868	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
Dibromomethane	ND		0.00434	0.000721	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
1,2-Dichlorobenzene	ND		0.00434	0.00138	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
1,3-Dichlorobenzene	ND		0.00434	0.000825	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
1,4-Dichlorobenzene	ND		0.00434	0.000747	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
trans-1,4-Dichloro-2-butene	ND		0.00434	0.00217	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
1,1-Dichloroethane	ND		0.00434	0.000721	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
1,2-Dichloroethane	ND		0.00434	0.00160	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
cis-1,2-Dichloroethene	ND		0.00434	0.000660	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
trans-1,2-Dichloroethene	ND		0.00434	0.000834	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
1,1-Dichloroethene	ND		0.00434	0.00182	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
1,2-Dichloropropane	ND		0.00434	0.000660	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
1,3-Dichloropropane	ND		0.00434	0.000868	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
2,2-Dichloropropane	ND		0.00434	0.000955	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
1,1-Dichloropropene	ND		0.00434	0.000721	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
cis-1,3-Dichloropropene	ND		0.00434	0.00104	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
trans-1,3-Dichloropropene	ND		0.00434	0.000955	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
Ethylbenzene	ND		0.00434	0.000530	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
Hexachlorobutadiene	ND	*+	0.00434	0.00217	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
2-Hexanone	ND		0.0217	0.00434	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
Iodomethane	ND		0.00434	0.00295	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
Isopropylbenzene	ND		0.00434	0.000591	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
4-Isopropyltoluene	ND		0.00434	0.000868	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
Methylene Chloride	ND		0.0130	0.00868	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
4-Methyl-2-pentanone (MIBK)	ND		0.0217	0.0117	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
Methyl tert-butyl ether	ND		0.00434	0.000868	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
Naphthalene	ND		0.00434	0.00261	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
N-Propylbenzene	ND		0.00434	0.000782	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1

Client Sample ID: SED-1
Date Collected: 05/30/25 15:20
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276843-10
Matrix: Solid
Percent Solids: 89.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.00434	0.000868	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
1,1,1,2-Tetrachloroethane	ND		0.00434	0.000955	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
1,1,2,2-Tetrachloroethane	ND		0.00434	0.00149	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
Tetrachloroethene	ND		0.00434	0.00261	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
Toluene	ND		0.00434	0.000868	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
1,2,3-Trichlorobenzene	ND		0.00434	0.000955	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
1,2,4-Trichlorobenzene	ND		0.00434	0.00175	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
1,1,1-Trichloroethane	ND		0.00434	0.000955	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
1,1,2-Trichloroethane	ND		0.00434	0.00140	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
Trichloroethene	ND		0.00434	0.000868	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
Trichlorofluoromethane	ND		0.00434	0.00210	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
1,2,3-Trichloropropane	ND		0.00434	0.00181	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00434	0.00163	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
1,2,4-Trimethylbenzene	ND		0.00434	0.000868	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
1,3,5-Trimethylbenzene	ND		0.00434	0.000721	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
Vinyl acetate	ND		0.0217	0.00554	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
Vinyl chloride	ND		0.00434	0.00189	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
o-Xylene	ND		0.00434	0.00261	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
m-Xylene & p-Xylene	ND		0.00434	0.00261	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
Xylenes, Total	ND		0.00868	0.00521	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
Isopropyl ether	ND		0.00434	0.00120	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
Hexane	ND		0.00434	0.00226	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
n-Heptane	ND		0.00434	0.00251	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1
Ethyl acetate	ND		0.0174	0.00434	mg/Kg	☼	06/10/25 09:27	06/10/25 18:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*50 - 150*	*06/10/25 09:27*	*06/10/25 18:24*	*1*
Dibromofluoromethane	*114*		*50 - 150*	*06/10/25 09:27*	*06/10/25 18:24*	*1*
Toluene-d8 (Surr)	*96*		*50 - 150*	*06/10/25 09:27*	*06/10/25 18:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*50 - 150*	*06/10/25 09:27*	*06/10/25 18:24*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**0.0163**		0.00267	0.00267	mg/Kg	☼	06/10/25 14:36	06/24/25 14:58	2

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*66*		*10 - 150*	*06/10/25 14:36*	*06/24/25 14:58*	*2*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.78	0.448	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
2,4,5-Trichlorophenol	ND	*+	1.78	0.546	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
2,4,6-Trichlorophenol	ND	*+	1.78	0.567	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
2,4-Dichlorophenol	ND		1.78	0.378	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
2,4-Dimethylphenol	ND	*+	1.78	0.508	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
2,4-Dinitrophenol	ND	*+	5.35	1.57	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
2,4-Dinitrotoluene	ND		1.78	0.546	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
2-Chlorophenol	ND	*-	1.78	0.654	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
2-Chloronaphthalene	ND		1.78	0.416	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
2-Methylnaphthalene	ND		1.78	0.589	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
2-Methylphenol	ND		1.78	0.432	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276843-1

Client Sample ID: SED-1
Date Collected: 05/30/25 15:20
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276843-10
Matrix: Solid
Percent Solids: 89.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		1.78	0.378	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
2-Nitrophenol	ND	*-	1.78	0.637	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
3 & 4 Methylphenol	ND		3.57	0.416	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
3,3'-Dichlorobenzidine	ND		1.78	0.594	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
3-Nitroaniline	ND	*+	1.78	0.421	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
4,6-Dinitro-2-methylphenol	ND		1.78	1.30	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
4-Bromophenyl phenyl ether	ND		1.78	0.567	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
4-Chloro-3-methylphenol	ND	*+	1.78	0.438	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
4-Chloroaniline	ND		1.78	0.438	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
4-Chlorophenyl phenyl ether	ND		1.78	0.178	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
4-Nitroaniline	ND	*+	1.78	0.610	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
Acenaphthene	ND		1.78	0.438	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
Acenaphthylene	ND		1.78	0.475	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
Acetophenone	ND		1.78	0.508	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
Anthracene	ND		1.78	0.421	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
Benzo[a]anthracene	ND		1.78	0.475	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
Benzo[a]pyrene	ND		1.78	0.254	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
Benzo[b]fluoranthene	ND		1.78	0.535	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
Benzo[g,h,i]perylene	ND		1.78	0.594	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
Benzo[k]fluoranthene	ND		1.78	0.421	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
Bis(2-chloroethoxy)methane	ND		1.78	0.394	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
Bis(2-chloroethyl)ether	ND	*+	1.78	0.583	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
Bis(2-ethylhexyl) phthalate	ND		1.78	0.438	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
Chrysene	ND		1.78	0.573	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
Dibenz(a,h)anthracene	ND		1.78	0.686	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
Dibenzofuran	ND		1.78	0.448	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
Di-n-butyl phthalate	ND		1.78	0.524	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
Diethyl phthalate	ND		1.78	0.573	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
Dimethyl phthalate	ND		1.78	0.481	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
Di-n-octyl phthalate	ND		1.78	0.648	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
Fluoranthene	ND		1.78	0.394	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
Fluorene	ND		1.78	0.486	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
Hexachlorobenzene	ND		1.78	0.540	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
Hexachlorobutadiene	ND		1.78	0.751	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
Hexachlorocyclopentadiene	ND		1.78	0.357	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
Hexachloroethane	ND		1.78	0.821	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
Indeno[1,2,3-cd]pyrene	ND		1.78	0.718	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
Isophorone	ND		1.78	0.362	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
Naphthalene	ND		1.78	0.481	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
Nitrobenzene	ND		1.78	0.529	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
N-Nitrosodiphenylamine	ND		1.78	0.454	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
N-Nitrosodi-n-propylamine	ND		1.78	0.567	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
Pentachlorophenol	ND		3.57	0.864	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
Phenanthrene	ND	*+	1.78	0.438	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
Phenol	ND		1.78	0.481	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
Pyrene	ND		1.78	0.421	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
Butyl benzyl phthalate	ND		1.78	0.864	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
bis (2-chloroisopropyl) ether	ND		1.78	0.681	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
Carbazole	ND		1.78	0.605	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5

Client Sample ID: SED-1

Date Collected: 05/30/25 15:20
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276843-10

Matrix: Solid
Percent Solids: 89.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		1.78	0.556	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
4-Nitrophenol	ND	*+	1.78	1.62	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
Atrazine	ND		1.78	0.486	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
Benzaldehyde	ND		1.78	0.724	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5
Caprolactam	ND		1.78	0.454	mg/Kg	☼	06/10/25 14:55	06/12/25 21:43	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*91*		*10 - 150*	*06/10/25 14:55*	*06/12/25 21:43*	*5*
2-Fluorobiphenyl (Surr)	*73*		*27 - 127*	*06/10/25 14:55*	*06/12/25 21:43*	*5*
2-Fluorophenol (Surr)	*51*		*25 - 128*	*06/10/25 14:55*	*06/12/25 21:43*	*5*
Terphenyl-d14 (Surr)	*75*		*24 - 146*	*06/10/25 14:55*	*06/12/25 21:43*	*5*
Phenol-d5 (Surr)	*51*		*29 - 130*	*06/10/25 14:55*	*06/12/25 21:43*	*5*
Nitrobenzene-d5 (Surr)	*65*		*15 - 136*	*06/10/25 14:55*	*06/12/25 21:43*	*5*

Method: SW846 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		2.20	0.727	mg/Kg	☼		06/05/25 03:03	1
Sulfate	**9.12**	**J**	22.0	8.04	mg/Kg	☼		06/05/25 03:03	1

Method: SW846 6020B - Metals (ICPMS) – Solid Matrix

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.141**	**J**	0.944	0.0944	mg/Kg	☼	06/04/25 05:59	06/04/25 15:02	1
Arsenic	**1.33**		0.283	0.0944	mg/Kg	☼	06/04/25 05:59	06/04/25 15:02	1
Barium	**50.4**		0.472	0.0566	mg/Kg	☼	06/04/25 05:59	06/04/25 15:02	1
Beryllium	**0.436**		0.0472	0.0142	mg/Kg	☼	06/04/25 05:59	06/04/25 15:02	1
Cadmium	**0.106**		0.0472	0.0142	mg/Kg	☼	06/04/25 05:59	06/04/25 15:02	1
Chromium	**9.12**		0.944	0.104	mg/Kg	☼	06/04/25 05:59	06/04/25 15:02	1
Cobalt	**7.19**		0.0472	0.00944	mg/Kg	☼	06/04/25 05:59	06/04/25 15:02	1
Copper	**11.2**		0.472	0.123	mg/Kg	☼	06/04/25 05:59	06/04/25 15:02	1
Lead	**16.9**		0.189	0.0472	mg/Kg	☼	06/04/25 05:59	06/04/25 15:02	1
Manganese	**187**		0.944	0.113	mg/Kg	☼	06/04/25 05:59	06/04/25 15:02	1
Nickel	**21.3**		0.944	0.245	mg/Kg	☼	06/04/25 05:59	06/04/25 15:02	1
Selenium	**0.209**	**J**	0.472	0.0944	mg/Kg	☼	06/04/25 05:59	06/04/25 15:02	1
Silver	**0.0127**	**J**	0.0944	0.00944	mg/Kg	☼	06/04/25 05:59	06/04/25 15:02	1
Thallium	**0.0505**	**J**	0.0944	0.0472	mg/Kg	☼	06/04/25 05:59	06/04/25 15:02	1
Vanadium	**15.3**		0.472	0.255	mg/Kg	☼	06/04/25 05:59	06/04/25 15:02	1
Zinc	**48.7**		1.89	0.944	mg/Kg	☼	06/04/25 05:59	06/04/25 15:02	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0120**	**J**	0.0253	0.00810	mg/Kg	☼	06/05/25 15:13	06/09/25 07:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	**89.8**		0.01	0.01	%			06/04/25 18:09	1
Percent Moisture (EPA Moisture)	**10.2**		0.01	0.01	%			06/04/25 18:09	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		1.02	0.328	mg/Kg	☼		06/11/25 10:52	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276843-1

Client Sample ID: TRIP BLANK
Date Collected: 05/30/25 00:00
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276843-11
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			06/09/25 16:16	1
Benzene	ND		1.00	0.500	ug/L			06/09/25 16:16	1
Bromobenzene	ND		1.00	0.540	ug/L			06/09/25 16:16	1
Bromoform	ND		5.00	0.250	ug/L			06/09/25 16:16	1
Bromomethane	ND		1.00	0.980	ug/L			06/09/25 16:16	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/09/25 16:16	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/09/25 16:16	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/09/25 16:16	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/09/25 16:16	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/09/25 16:16	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/09/25 16:16	1
Chloroethane	ND		1.00	0.760	ug/L			06/09/25 16:16	1
Chloroform	ND		1.00	0.900	ug/L			06/09/25 16:16	1
Chloromethane	ND		1.00	0.400	ug/L			06/09/25 16:16	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/09/25 16:16	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/09/25 16:16	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/09/25 16:16	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/09/25 16:16	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/09/25 16:16	1
Dibromomethane	ND		5.00	0.220	ug/L			06/09/25 16:16	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/09/25 16:16	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/09/25 16:16	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/09/25 16:16	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/09/25 16:16	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/09/25 16:16	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/09/25 16:16	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/09/25 16:16	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/09/25 16:16	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/09/25 16:16	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/09/25 16:16	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/09/25 16:16	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/09/25 16:16	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/09/25 16:16	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/09/25 16:16	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			06/09/25 16:16	1
Hexane	ND		1.00	0.960	ug/L			06/09/25 16:16	1
2-Hexanone	ND		25.0	4.26	ug/L			06/09/25 16:16	1
Iodomethane	ND		1.00	0.900	ug/L			06/09/25 16:16	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/09/25 16:16	1
Isopropyl ether	ND		1.00	0.740	ug/L			06/09/25 16:16	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/09/25 16:16	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/09/25 16:16	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/09/25 16:16	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/09/25 16:16	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/09/25 16:16	1
Naphthalene	ND		5.00	3.00	ug/L			06/09/25 16:16	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/09/25 16:16	1
n-Heptane	ND		1.00	0.210	ug/L			06/09/25 16:16	1
N-Propylbenzene	ND		1.00	0.690	ug/L			06/09/25 16:16	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276843-1

Client Sample ID: TRIP BLANK
Date Collected: 05/30/25 00:00
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276843-11
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			06/09/25 16:16	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/09/25 16:16	1
Styrene	ND		1.00	1.00	ug/L			06/09/25 16:16	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/09/25 16:16	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/09/25 16:16	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/09/25 16:16	1
Tetrachloroethene	ND		1.00	0.330	ug/L			06/09/25 16:16	1
Toluene	ND		1.00	0.900	ug/L			06/09/25 16:16	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/09/25 16:16	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/09/25 16:16	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/09/25 16:16	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/09/25 16:16	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/09/25 16:16	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/09/25 16:16	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/09/25 16:16	1
Trichloroethene	ND		1.00	0.150	ug/L			06/09/25 16:16	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			06/09/25 16:16	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/09/25 16:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/09/25 16:16	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/09/25 16:16	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/09/25 16:16	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/09/25 16:16	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/09/25 16:16	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/09/25 16:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*56 - 136*		*06/09/25 16:16*	*1*
Dibromofluoromethane	*120*		*79 - 130*		*06/09/25 16:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*121*		*59 - 146*		*06/09/25 16:16*	*1*
Toluene-d8 (Surr)	*86*		*64 - 132*		*06/09/25 16:16*	*1*

Definitions/Glossary

Client: S&ME Inc
Job ID: 400-276843-1
Project/Site: Lyon Park

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*3	ISTD response or retention time outside acceptable limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

HPLC/IC

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

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276843-1

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	TOL	DCA
Lab Sample ID	Client Sample ID	(50-150)	(50-150)	(50-150)	(50-150)
400-276843-1	SED-9	104	115	96	119
400-276843-2	SED-8	105	116	95	117
400-276843-3	SED-7	103	115	95	113
400-276843-4	SED-6	104	114	95	114
400-276843-5	SED-DUP	102	116	93	116
400-276843-6	SED-5	107	103	99	111
400-276843-7	SED-4	103	113	96	112
400-276843-8	SED-3	103	116	93	121
400-276843-9	SED-2	103	114	95	114
400-276843-10	SED-1	105	114	96	113
LCS 400-712255/1-A	Lab Control Sample	106	114	96	114
LCS 400-712554/2-A	Lab Control Sample	99	104	99	107
MB 400-712255/2-A	Method Blank	103	111	95	105
MB 400-712554/1-A	Method Blank	105	97	101	102

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(56-136)	(79-130)	(59-146)	(64-132)
400-276843-11	TRIP BLANK	87	120	121	86
LCS 400-712040/1002	Lab Control Sample	89	118	120	86
MB 400-712040/4	Method Blank	89	121	127	86

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	TPHL	PHL	NBZ
Lab Sample ID	Client Sample ID	(10-150)	(27-127)	(25-128)	(24-146)	(29-130)	(15-136)
400-276843-1	SED-9	89	73	51	68	51	59
400-276843-2	SED-8	94	75	49	69	46	60
400-276843-3	SED-7	105	80	55	77	56	64
400-276843-4	SED-6	82	69	49	64	47	57
400-276843-5	SED-DUP	80	65	49	61	45	54
400-276843-6	SED-5	88	67	44	65	43	52
400-276843-7	SED-4	99	77	54	78	52	61
400-276843-8	SED-3	97	76	53	79	52	62

Surrogate Summary

Client: S&ME Inc
Job ID: 400-276843-1
Project/Site: Lyon Park

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

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)							
		TBP	FBP	2FP	TPHL	PHL	NBZ		
Lab Sample ID	Client Sample ID	(10-150)	(27-127)	(25-128)	(24-146)	(29-130)	(15-136)		
400-276843-9	SED-2	93	78	49	78 *3	51	60		
400-276843-10	SED-1	91	73	51	75	51	65		
LCS 400-712118/2-A	Lab Control Sample	139	66	77	81	50	62		
MB 400-712118/1-A	Method Blank	49	70	81	83	89	71		

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
TPHL = Terphenyl-d14 (Surr)
PHL = Phenol-d5 (Surr)
NBZ = Nitrobenzene-d5 (Surr)

GC/MS VOA

Analysis Batch: 712040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276843-11	TRIP BLANK	Total/NA	Water	8260D	
MB 400-712040/4	Method Blank	Total/NA	Water	8260D	
LCS 400-712040/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 712195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276843-1	SED-9	Total/NA	Solid	8260D	712255
400-276843-2	SED-8	Total/NA	Solid	8260D	712255
400-276843-3	SED-7	Total/NA	Solid	8260D	712255
400-276843-4	SED-6	Total/NA	Solid	8260D	712255
400-276843-5	SED-DUP	Total/NA	Solid	8260D	712255
400-276843-7	SED-4	Total/NA	Solid	8260D	712255
400-276843-8	SED-3	Total/NA	Solid	8260D	712255
400-276843-9	SED-2	Total/NA	Solid	8260D	712255
400-276843-10	SED-1	Total/NA	Solid	8260D	712255
MB 400-712255/2-A	Method Blank	Total/NA	Solid	8260D	712255
LCS 400-712255/1-A	Lab Control Sample	Total/NA	Solid	8260D	712255

Prep Batch: 712255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276843-1	SED-9	Total/NA	Solid	5035	
400-276843-2	SED-8	Total/NA	Solid	5035	
400-276843-3	SED-7	Total/NA	Solid	5035	
400-276843-4	SED-6	Total/NA	Solid	5035	
400-276843-5	SED-DUP	Total/NA	Solid	5035	
400-276843-7	SED-4	Total/NA	Solid	5035	
400-276843-8	SED-3	Total/NA	Solid	5035	
400-276843-9	SED-2	Total/NA	Solid	5035	
400-276843-10	SED-1	Total/NA	Solid	5035	
MB 400-712255/2-A	Method Blank	Total/NA	Solid	5035	
LCS 400-712255/1-A	Lab Control Sample	Total/NA	Solid	5035	

Analysis Batch: 712525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276843-6	SED-5	Total/NA	Solid	8260D	712554
MB 400-712554/1-A	Method Blank	Total/NA	Solid	8260D	712554
LCS 400-712554/2-A	Lab Control Sample	Total/NA	Solid	8260D	712554

Prep Batch: 712554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276843-6	SED-5	Total/NA	Solid	5035	
MB 400-712554/1-A	Method Blank	Total/NA	Solid	5035	
LCS 400-712554/2-A	Lab Control Sample	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 712118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276843-1	SED-9	Total/NA	Solid	3546	
400-276843-2	SED-8	Total/NA	Solid	3546	
400-276843-3	SED-7	Total/NA	Solid	3546	

GC/MS Semi VOA (Continued)

Prep Batch: 712118 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276843-4	SED-6	Total/NA	Solid	3546	
400-276843-5	SED-DUP	Total/NA	Solid	3546	
400-276843-6	SED-5	Total/NA	Solid	3546	
400-276843-7	SED-4	Total/NA	Solid	3546	
400-276843-8	SED-3	Total/NA	Solid	3546	
400-276843-9	SED-2	Total/NA	Solid	3546	
400-276843-10	SED-1	Total/NA	Solid	3546	
MB 400-712118/1-A	Method Blank	Total/NA	Solid	3546	
LCS 400-712118/2-A	Lab Control Sample	Total/NA	Solid	3546	

Prep Batch: 712284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276843-1	SED-9	Total/NA	Solid	3546	
400-276843-2	SED-8	Total/NA	Solid	3546	
400-276843-3	SED-7	Total/NA	Solid	3546	
400-276843-4	SED-6	Total/NA	Solid	3546	
400-276843-5	SED-DUP	Total/NA	Solid	3546	
400-276843-6	SED-5	Total/NA	Solid	3546	
400-276843-7	SED-4	Total/NA	Solid	3546	
400-276843-8	SED-3	Total/NA	Solid	3546	
400-276843-9	SED-2	Total/NA	Solid	3546	
400-276843-10	SED-1	Total/NA	Solid	3546	
MB 400-712284/1-A	Method Blank	Total/NA	Solid	3546	
LCS 400-712284/2-A	Lab Control Sample	Total/NA	Solid	3546	

Analysis Batch: 712339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-712118/1-A	Method Blank	Total/NA	Solid	8270E	712118
LCS 400-712118/2-A	Lab Control Sample	Total/NA	Solid	8270E	712118

Analysis Batch: 712560

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276843-1	SED-9	Total/NA	Solid	8270E	712118
400-276843-2	SED-8	Total/NA	Solid	8270E	712118
400-276843-3	SED-7	Total/NA	Solid	8270E	712118
400-276843-4	SED-6	Total/NA	Solid	8270E	712118
400-276843-5	SED-DUP	Total/NA	Solid	8270E	712118
400-276843-6	SED-5	Total/NA	Solid	8270E	712118
400-276843-7	SED-4	Total/NA	Solid	8270E	712118
400-276843-8	SED-3	Total/NA	Solid	8270E	712118
400-276843-9	SED-2	Total/NA	Solid	8270E	712118
400-276843-10	SED-1	Total/NA	Solid	8270E	712118

Analysis Batch: 712813

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276843-7	SED-4	Total/NA	Solid	8270E SIM ID	712284
MB 400-712284/1-A	Method Blank	Total/NA	Solid	8270E SIM ID	712284
LCS 400-712284/2-A	Lab Control Sample	Total/NA	Solid	8270E SIM ID	712284

GC/MS Semi VOA

Analysis Batch: 713818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276843-1	SED-9	Total/NA	Solid	8270E SIM ID	712284
400-276843-2	SED-8	Total/NA	Solid	8270E SIM ID	712284
400-276843-3	SED-7	Total/NA	Solid	8270E SIM ID	712284
400-276843-4	SED-6	Total/NA	Solid	8270E SIM ID	712284
400-276843-5	SED-DUP	Total/NA	Solid	8270E SIM ID	712284
400-276843-6	SED-5	Total/NA	Solid	8270E SIM ID	712284
400-276843-8	SED-3	Total/NA	Solid	8270E SIM ID	712284
400-276843-9	SED-2	Total/NA	Solid	8270E SIM ID	712284
400-276843-10	SED-1	Total/NA	Solid	8270E SIM ID	712284

HPLC/IC

Leach Batch: 711483

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276843-1	SED-9	Soluble	Solid	DI Leach	
400-276843-2	SED-8	Soluble	Solid	DI Leach	
400-276843-3	SED-7	Soluble	Solid	DI Leach	
400-276843-4	SED-6	Soluble	Solid	DI Leach	
400-276843-5	SED-DUP	Soluble	Solid	DI Leach	
400-276843-6	SED-5	Soluble	Solid	DI Leach	
400-276843-7	SED-4	Soluble	Solid	DI Leach	
400-276843-8	SED-3	Soluble	Solid	DI Leach	
400-276843-9	SED-2	Soluble	Solid	DI Leach	
400-276843-10	SED-1	Soluble	Solid	DI Leach	
MB 400-711483/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 400-711483/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
400-276843-1 MS	SED-9	Soluble	Solid	DI Leach	
400-276843-1 MSD	SED-9	Soluble	Solid	DI Leach	

Analysis Batch: 711595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276843-1	SED-9	Soluble	Solid	9056A	711483
400-276843-2	SED-8	Soluble	Solid	9056A	711483
400-276843-3	SED-7	Soluble	Solid	9056A	711483
400-276843-4	SED-6	Soluble	Solid	9056A	711483
400-276843-5	SED-DUP	Soluble	Solid	9056A	711483
400-276843-6	SED-5	Soluble	Solid	9056A	711483
400-276843-7	SED-4	Soluble	Solid	9056A	711483
400-276843-8	SED-3	Soluble	Solid	9056A	711483
400-276843-9	SED-2	Soluble	Solid	9056A	711483
400-276843-10	SED-1	Soluble	Solid	9056A	711483
MB 400-711483/1-A	Method Blank	Soluble	Solid	9056A	711483
LCS 400-711483/2-A	Lab Control Sample	Soluble	Solid	9056A	711483
400-276843-1 MS	SED-9	Soluble	Solid	9056A	711483
400-276843-1 MSD	SED-9	Soluble	Solid	9056A	711483

Analysis Batch: 711597

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276843-1	SED-9	Soluble	Solid	9056A	711483
400-276843-2	SED-8	Soluble	Solid	9056A	711483
400-276843-3	SED-7	Soluble	Solid	9056A	711483

HPLC/IC (Continued)

Analysis Batch: 711597 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276843-4	SED-6	Soluble	Solid	9056A	711483
400-276843-5	SED-DUP	Soluble	Solid	9056A	711483
400-276843-6	SED-5	Soluble	Solid	9056A	711483
400-276843-7	SED-4	Soluble	Solid	9056A	711483
400-276843-8	SED-3	Soluble	Solid	9056A	711483
400-276843-9	SED-2	Soluble	Solid	9056A	711483
400-276843-10	SED-1	Soluble	Solid	9056A	711483
MB 400-711483/1-A	Method Blank	Soluble	Solid	9056A	711483
LCS 400-711483/2-A	Lab Control Sample	Soluble	Solid	9056A	711483
400-276843-1 MS	SED-9	Soluble	Solid	9056A	711483
400-276843-1 MSD	SED-9	Soluble	Solid	9056A	711483

Metals

Prep Batch: 883164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276843-1	SED-9	Total/NA	Solid	3050B	
400-276843-2	SED-8	Total/NA	Solid	3050B	
400-276843-3	SED-7	Total/NA	Solid	3050B	
400-276843-4	SED-6	Total/NA	Solid	3050B	
400-276843-5	SED-DUP	Total/NA	Solid	3050B	
400-276843-6	SED-5	Total/NA	Solid	3050B	
400-276843-7	SED-4	Total/NA	Solid	3050B	
400-276843-8	SED-3	Total/NA	Solid	3050B	
400-276843-9	SED-2	Total/NA	Solid	3050B	
400-276843-10	SED-1	Total/NA	Solid	3050B	
MB 680-883164/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 680-883164/2-A	Lab Control Sample	Total/NA	Solid	3050B	
400-276843-1 MS	SED-9	Total/NA	Solid	3050B	
400-276843-1 MSD	SED-9	Total/NA	Solid	3050B	

Analysis Batch: 883230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276843-1	SED-9	Total/NA	Solid	6020B	883164
400-276843-2	SED-8	Total/NA	Solid	6020B	883164
400-276843-3	SED-7	Total/NA	Solid	6020B	883164
400-276843-4	SED-6	Total/NA	Solid	6020B	883164
400-276843-5	SED-DUP	Total/NA	Solid	6020B	883164
400-276843-6	SED-5	Total/NA	Solid	6020B	883164
400-276843-7	SED-4	Total/NA	Solid	6020B	883164
400-276843-8	SED-3	Total/NA	Solid	6020B	883164
400-276843-9	SED-2	Total/NA	Solid	6020B	883164
400-276843-10	SED-1	Total/NA	Solid	6020B	883164
MB 680-883164/1-A	Method Blank	Total/NA	Solid	6020B	883164
LCS 680-883164/2-A	Lab Control Sample	Total/NA	Solid	6020B	883164
400-276843-1 MS	SED-9	Total/NA	Solid	6020B	883164
400-276843-1 MSD	SED-9	Total/NA	Solid	6020B	883164

Prep Batch: 883288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276843-1	SED-9	Total/NA	Solid	7471B	

Metals (Continued)

Prep Batch: 883288 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276843-2	SED-8	Total/NA	Solid	7471B	
400-276843-3	SED-7	Total/NA	Solid	7471B	
400-276843-4	SED-6	Total/NA	Solid	7471B	
400-276843-5	SED-DUP	Total/NA	Solid	7471B	
400-276843-6	SED-5	Total/NA	Solid	7471B	
400-276843-7	SED-4	Total/NA	Solid	7471B	
400-276843-8	SED-3	Total/NA	Solid	7471B	
400-276843-9	SED-2	Total/NA	Solid	7471B	
400-276843-10	SED-1	Total/NA	Solid	7471B	
MB 680-883288/12-A	Method Blank	Total/NA	Solid	7471B	
LCS 680-883288/13-A	Lab Control Sample	Total/NA	Solid	7471B	
400-276843-5 MS	SED-DUP	Total/NA	Solid	7471B	
400-276843-5 MSD	SED-DUP	Total/NA	Solid	7471B	

Analysis Batch: 883368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276843-1	SED-9	Total/NA	Solid	7471B	883288
400-276843-2	SED-8	Total/NA	Solid	7471B	883288
400-276843-3	SED-7	Total/NA	Solid	7471B	883288
400-276843-4	SED-6	Total/NA	Solid	7471B	883288
400-276843-5	SED-DUP	Total/NA	Solid	7471B	883288
400-276843-6	SED-5	Total/NA	Solid	7471B	883288
400-276843-7	SED-4	Total/NA	Solid	7471B	883288
400-276843-8	SED-3	Total/NA	Solid	7471B	883288
400-276843-9	SED-2	Total/NA	Solid	7471B	883288
400-276843-10	SED-1	Total/NA	Solid	7471B	883288
MB 680-883288/12-A	Method Blank	Total/NA	Solid	7471B	883288
LCS 680-883288/13-A	Lab Control Sample	Total/NA	Solid	7471B	883288
400-276843-5 MS	SED-DUP	Total/NA	Solid	7471B	883288
400-276843-5 MSD	SED-DUP	Total/NA	Solid	7471B	883288

General Chemistry

Analysis Batch: 711543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276843-1	SED-9	Total/NA	Solid	Moisture	
400-276843-2	SED-8	Total/NA	Solid	Moisture	
400-276843-3	SED-7	Total/NA	Solid	Moisture	
400-276843-4	SED-6	Total/NA	Solid	Moisture	
400-276843-5	SED-DUP	Total/NA	Solid	Moisture	
400-276843-6	SED-5	Total/NA	Solid	Moisture	
400-276843-7	SED-4	Total/NA	Solid	Moisture	
400-276843-8	SED-3	Total/NA	Solid	Moisture	
400-276843-9	SED-2	Total/NA	Solid	Moisture	
400-276843-10	SED-1	Total/NA	Solid	Moisture	

Leach Batch: 712242

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276843-1	SED-9	Soluble	Solid	DI Leach	
400-276843-2	SED-8	Soluble	Solid	DI Leach	
400-276843-3	SED-7	Soluble	Solid	DI Leach	

General Chemistry (Continued)

Leach Batch: 712242 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276843-4	SED-6	Soluble	Solid	DI Leach	
400-276843-5	SED-DUP	Soluble	Solid	DI Leach	
400-276843-6	SED-5	Soluble	Solid	DI Leach	
400-276843-7	SED-4	Soluble	Solid	DI Leach	
400-276843-8	SED-3	Soluble	Solid	DI Leach	
400-276843-9	SED-2	Soluble	Solid	DI Leach	
400-276843-10	SED-1	Soluble	Solid	DI Leach	
MB 400-712242/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 400-712242/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
400-276843-1 MS	SED-9	Soluble	Solid	DI Leach	
400-276843-1 MSD	SED-9	Soluble	Solid	DI Leach	

Analysis Batch: 712427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276843-1	SED-9	Soluble	Solid	350.1	712242
400-276843-2	SED-8	Soluble	Solid	350.1	712242
400-276843-3	SED-7	Soluble	Solid	350.1	712242
400-276843-4	SED-6	Soluble	Solid	350.1	712242
400-276843-5	SED-DUP	Soluble	Solid	350.1	712242
400-276843-6	SED-5	Soluble	Solid	350.1	712242
400-276843-7	SED-4	Soluble	Solid	350.1	712242
400-276843-8	SED-3	Soluble	Solid	350.1	712242
400-276843-9	SED-2	Soluble	Solid	350.1	712242
400-276843-10	SED-1	Soluble	Solid	350.1	712242
MB 400-712242/1-A	Method Blank	Soluble	Solid	350.1	712242
LCS 400-712242/2-A	Lab Control Sample	Soluble	Solid	350.1	712242
MRL 400-712427/18	Lab Control Sample	Total/NA	Solid	350.1	
400-276843-1 MS	SED-9	Soluble	Solid	350.1	712242
400-276843-1 MSD	SED-9	Soluble	Solid	350.1	712242

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

Lab Sample ID: MB 400-712040/4
Matrix: Water
Analysis Batch: 712040

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0	10.0	ug/L			06/09/25 12:40	1
Benzene	ND		1.00	0.500	ug/L			06/09/25 12:40	1
Bromobenzene	ND		1.00	0.540	ug/L			06/09/25 12:40	1
Bromoform	ND		5.00	0.250	ug/L			06/09/25 12:40	1
Bromomethane	ND		1.00	0.980	ug/L			06/09/25 12:40	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/09/25 12:40	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/09/25 12:40	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/09/25 12:40	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/09/25 12:40	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/09/25 12:40	1
Chloroethane	ND		1.00	0.760	ug/L			06/09/25 12:40	1
Chloroform	ND		1.00	0.900	ug/L			06/09/25 12:40	1
Chloromethane	ND		1.00	0.400	ug/L			06/09/25 12:40	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/09/25 12:40	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/09/25 12:40	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/09/25 12:40	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/09/25 12:40	1
Dibromomethane	ND		5.00	0.220	ug/L			06/09/25 12:40	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/09/25 12:40	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/09/25 12:40	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/09/25 12:40	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/09/25 12:40	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/09/25 12:40	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/09/25 12:40	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/09/25 12:40	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/09/25 12:40	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/09/25 12:40	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/09/25 12:40	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/09/25 12:40	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/09/25 12:40	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/09/25 12:40	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/09/25 12:40	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/09/25 12:40	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			06/09/25 12:40	1
2-Hexanone	ND		25.0	4.26	ug/L			06/09/25 12:40	1
Iodomethane	ND		1.00	0.900	ug/L			06/09/25 12:40	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/09/25 12:40	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/09/25 12:40	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/09/25 12:40	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/09/25 12:40	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/09/25 12:40	1
Naphthalene	ND		5.00	3.00	ug/L			06/09/25 12:40	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/09/25 12:40	1
N-Propylbenzene	ND		1.00	0.690	ug/L			06/09/25 12:40	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/09/25 12:40	1
Styrene	ND		1.00	1.00	ug/L			06/09/25 12:40	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/09/25 12:40	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/09/25 12:40	1

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

Lab Sample ID: MB 400-712040/4
Matrix: Water
Analysis Batch: 712040

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/09/25 12:40	1
Tetrachloroethene	ND		1.00	0.330	ug/L			06/09/25 12:40	1
Toluene	ND		1.00	0.900	ug/L			06/09/25 12:40	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/09/25 12:40	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/09/25 12:40	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/09/25 12:40	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/09/25 12:40	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/09/25 12:40	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/09/25 12:40	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/09/25 12:40	1
o-Xylene	ND		5.00	3.00	ug/L			06/09/25 12:40	1
Trichloroethene	ND		1.00	0.150	ug/L			06/09/25 12:40	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/09/25 12:40	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			06/09/25 12:40	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/09/25 12:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/09/25 12:40	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/09/25 12:40	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/09/25 12:40	1
Isopropyl ether	ND		1.00	0.740	ug/L			06/09/25 12:40	1
Hexane	ND		1.00	0.960	ug/L			06/09/25 12:40	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/09/25 12:40	1
n-Heptane	ND		1.00	0.210	ug/L			06/09/25 12:40	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/09/25 12:40	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/09/25 12:40	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/09/25 12:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*56 - 136*		*06/09/25 12:40*	*1*
Dibromofluoromethane	*121*		*79 - 130*		*06/09/25 12:40*	*1*
Toluene-d8 (Surr)	*86*		*64 - 132*		*06/09/25 12:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*127*		*59 - 146*		*06/09/25 12:40*	*1*

Lab Sample ID: LCS 400-712040/1002
Matrix: Water
Analysis Batch: 712040

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	234.1		ug/L		117	43 - 150
Benzene	50.0	52.14		ug/L		104	70 - 130
Bromobenzene	50.0	51.38		ug/L		103	70 - 132
Bromoform	50.0	47.79		ug/L		96	57 - 140
Bromomethane	50.0	38.37		ug/L		77	10 - 150
2-Butanone (MEK)	200	227.1		ug/L		114	61 - 145
Chlorobromomethane	50.0	59.19		ug/L		118	70 - 130
Carbon disulfide	50.0	40.89		ug/L		82	61 - 137
Carbon tetrachloride	50.0	59.94		ug/L		120	61 - 137
Chlorobenzene	50.0	47.91		ug/L		96	70 - 130
Chloroethane	50.0	41.59		ug/L		83	55 - 141

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

Lab Sample ID: LCS 400-712040/1002
Matrix: Water
Analysis Batch: 712040

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroform	50.0	56.07		ug/L		112	69 - 130
Chloromethane	50.0	32.10		ug/L		64	58 - 137
2-Chlorotoluene	50.0	40.72		ug/L		81	70 - 130
4-Chlorotoluene	50.0	43.82		ug/L		88	70 - 130
Chlorodibromomethane	50.0	50.29		ug/L		101	67 - 135
1,2-Dibromo-3-Chloropropane	50.0	47.59		ug/L		95	54 - 135
Dibromomethane	50.0	56.59		ug/L		113	70 - 130
1,2-Dichlorobenzene	50.0	47.30		ug/L		95	67 - 130
1,3-Dichlorobenzene	50.0	50.23		ug/L		100	70 - 130
Dichlorobromomethane	50.0	55.49		ug/L		111	67 - 133
1,4-Dichlorobenzene	50.0	48.48		ug/L		97	70 - 130
1,1-Dichloroethane	50.0	54.71		ug/L		109	70 - 130
1,2-Dichloroethane	50.0	61.02		ug/L		122	69 - 130
cis-1,2-Dichloroethene	50.0	57.94		ug/L		116	68 - 130
1,1-Dichloroethene	50.0	44.34		ug/L		89	63 - 134
1,2-Dichloropropane	50.0	55.29		ug/L		111	70 - 130
1,3-Dichloropropane	50.0	45.18		ug/L		90	70 - 130
2,2-Dichloropropane	50.0	53.04		ug/L		106	52 - 135
1,1-Dichloropropene	50.0	53.85		ug/L		108	70 - 130
Ethylene Dibromide	50.0	49.34		ug/L		99	70 - 130
cis-1,3-Dichloropropene	50.0	53.26		ug/L		107	69 - 132
Ethylbenzene	50.0	46.39		ug/L		93	70 - 130
Hexachlorobutadiene	50.0	58.29		ug/L		117	53 - 140
2-Hexanone	200	227.6		ug/L		114	65 - 137
Iodomethane	50.0	41.44		ug/L		83	27 - 150
Isopropylbenzene	50.0	49.11		ug/L		98	70 - 130
4-Isopropyltoluene	50.0	46.20		ug/L		92	65 - 130
Methylene Chloride	50.0	50.65		ug/L		101	66 - 135
4-Methyl-2-pentanone (MIBK)	200	240.9		ug/L		120	69 - 138
Methyl tert-butyl ether	50.0	51.64		ug/L		103	66 - 130
Naphthalene	50.0	44.61		ug/L		89	47 - 149
n-Butylbenzene	50.0	37.04		ug/L		74	67 - 130
N-Propylbenzene	50.0	48.02		ug/L		96	70 - 130
sec-Butylbenzene	50.0	47.05		ug/L		94	66 - 130
Styrene	50.0	47.69		ug/L		95	70 - 130
tert-Butylbenzene	50.0	43.94		ug/L		88	64 - 139
1,1,1,2-Tetrachloroethane	50.0	51.44		ug/L		103	67 - 131
1,1,2,2-Tetrachloroethane	50.0	40.50		ug/L		81	70 - 131
Tetrachloroethene	50.0	59.30		ug/L		119	65 - 130
Toluene	50.0	44.55		ug/L		89	70 - 130
trans-1,4-Dichloro-2-butene	50.0	45.71		ug/L		91	57 - 140
trans-1,2-Dichloroethene	50.0	52.30		ug/L		105	70 - 130
trans-1,3-Dichloropropene	50.0	45.55		ug/L		91	63 - 130
1,2,3-Trichlorobenzene	50.0	54.85		ug/L		110	60 - 138
1,2,4-Trichlorobenzene	50.0	55.58		ug/L		111	60 - 140
1,1,1-Trichloroethane	50.0	56.10		ug/L		112	68 - 130
1,1,2-Trichloroethane	50.0	45.48		ug/L		91	70 - 130
o-Xylene	50.0	46.29		ug/L		93	70 - 130
Trichloroethene	50.0	59.74		ug/L		119	70 - 130

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

Lab Sample ID: LCS 400-712040/1002
Matrix: Water
Analysis Batch: 712040

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
m-Xylene & p-Xylene	50.0	46.98		ug/L		94	70 - 130
Trichlorofluoromethane	50.0	55.07		ug/L		110	65 - 138
1,2,3-Trichloropropane	50.0	44.01		ug/L		88	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	45.07		ug/L		90	60 - 139
1,2,4-Trimethylbenzene	50.0	46.03		ug/L		92	70 - 130
1,3,5-Trimethylbenzene	50.0	44.75		ug/L		89	69 - 130
Isopropyl ether	20.0	23.56		ug/L		118	64 - 132
Hexane	50.0	57.62		ug/L		115	69 - 130
Vinyl acetate	100	97.97		ug/L		98	26 - 150
n-Heptane	50.0	55.91		ug/L		112	70 - 130
Vinyl chloride	50.0	41.25		ug/L		82	59 - 136
Ethyl acetate	100	94.32		ug/L		94	34 - 150
Xylenes, Total	100	93.27		ug/L		93	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*89*		*56 - 136*
Dibromofluoromethane	*118*		*79 - 130*
Toluene-d8 (Surr)	*86*		*64 - 132*
1,2-Dichloroethane-d4 (Surr)	*120*		*59 - 146*

Lab Sample ID: MB 400-712255/2-A
Matrix: Solid
Analysis Batch: 712195

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 712255

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0250	0.0120	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
Benzene	ND		0.00500	0.000670	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
Bromobenzene	ND		0.00500	0.00130	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
Bromoform	ND		0.00500	0.00130	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
Bromomethane	ND		0.00500	0.00250	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
2-Butanone (MEK)	ND		0.0250	0.00600	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
Chlorobromomethane	ND		0.00500	0.000810	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
Carbon disulfide	ND		0.00500	0.00253	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
Carbon tetrachloride	ND		0.00500	0.00170	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
Chlorobenzene	ND		0.00500	0.00132	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
Chloroethane	ND		0.00500	0.00330	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
Chloroform	ND		0.00500	0.00136	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
Chloromethane	ND		0.00500	0.00221	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
2-Chlorotoluene	ND		0.00500	0.00166	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
4-Chlorotoluene	ND		0.00500	0.000980	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
Chlorodibromomethane	ND		0.00500	0.00120	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
1,2-Dibromo-3-Chloropropane	ND		0.00500	0.00330	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
Dibromomethane	ND		0.00500	0.000830	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
1,2-Dichlorobenzene	ND		0.00500	0.00159	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
1,3-Dichlorobenzene	ND		0.00500	0.000950	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
Dichlorobromomethane	ND		0.00500	0.000920	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
1,4-Dichlorobenzene	ND		0.00500	0.000860	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
1,1-Dichloroethane	ND		0.00500	0.000830	mg/Kg		06/10/25 09:27	06/10/25 10:30	1

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

Lab Sample ID: MB 400-712255/2-A
Matrix: Solid
Analysis Batch: 712195

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 712255

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.00500	0.00184	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
cis-1,2-Dichloroethene	ND		0.00500	0.000760	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
1,1-Dichloroethene	ND		0.00500	0.00210	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
1,2-Dichloropropane	ND		0.00500	0.000760	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
1,3-Dichloropropane	ND		0.00500	0.00100	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
2,2-Dichloropropane	ND		0.00500	0.00110	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
1,1-Dichloropropene	ND		0.00500	0.000830	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
Ethylene Dibromide	ND		0.00500	0.00100	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
cis-1,3-Dichloropropene	ND		0.00500	0.00120	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
Ethylbenzene	ND		0.00500	0.000610	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
Hexachlorobutadiene	ND		0.00500	0.00250	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
2-Hexanone	ND		0.0250	0.00500	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
Iodomethane	ND		0.00500	0.00340	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
Isopropylbenzene	ND		0.00500	0.000680	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
4-Isopropyltoluene	ND		0.00500	0.00100	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
Methylene Chloride	ND		0.0150	0.0100	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
4-Methyl-2-pentanone (MIBK)	ND		0.0250	0.0134	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
Methyl tert-butyl ether	ND		0.00500	0.00100	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
Naphthalene	ND		0.00500	0.00300	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
n-Butylbenzene	ND		0.00500	0.000960	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
N-Propylbenzene	ND		0.00500	0.000900	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
sec-Butylbenzene	ND		0.00500	0.000950	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
Styrene	ND		0.00500	0.00100	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
tert-Butylbenzene	ND		0.00500	0.00110	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
1,1,1,2-Tetrachloroethane	ND		0.00500	0.00110	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
1,1,2,2-Tetrachloroethane	ND		0.00500	0.00172	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
Tetrachloroethene	ND		0.00500	0.00300	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
Toluene	ND		0.00500	0.00100	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
trans-1,4-Dichloro-2-butene	ND		0.00500	0.00250	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
trans-1,2-Dichloroethene	ND		0.00500	0.000960	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
trans-1,3-Dichloropropene	ND		0.00500	0.00110	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
1,2,3-Trichlorobenzene	ND		0.00500	0.00110	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
1,2,4-Trichlorobenzene	ND		0.00500	0.00201	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
1,1,1-Trichloroethane	ND		0.00500	0.00110	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
1,1,2-Trichloroethane	ND		0.00500	0.00161	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
o-Xylene	ND		0.00500	0.00300	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
Trichloroethene	ND		0.00500	0.00100	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
m-Xylene & p-Xylene	ND		0.00500	0.00300	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
Trichlorofluoromethane	ND		0.00500	0.00242	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
1,2,3-Trichloropropane	ND		0.00500	0.00208	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00500	0.00188	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
1,2,4-Trimethylbenzene	ND		0.00500	0.00100	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
1,3,5-Trimethylbenzene	ND		0.00500	0.000830	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
Isopropyl ether	ND		0.00500	0.00138	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
Hexane	ND		0.00500	0.00260	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
Vinyl acetate	ND		0.0250	0.00638	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
n-Heptane	ND		0.00500	0.00289	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
Vinyl chloride	ND		0.00500	0.00218	mg/Kg		06/10/25 09:27	06/10/25 10:30	1
Ethyl acetate	ND		0.0200	0.00500	mg/Kg		06/10/25 09:27	06/10/25 10:30	1

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

Lab Sample ID: MB 400-712255/2-A
Matrix: Solid
Analysis Batch: 712195

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 712255

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		0.0100	0.00600	mg/Kg		06/10/25 09:27	06/10/25 10:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*50 - 150*	*06/10/25 09:27*	*06/10/25 10:30*	*1*
Dibromofluoromethane	*111*		*50 - 150*	*06/10/25 09:27*	*06/10/25 10:30*	*1*
Toluene-d8 (Surr)	*95*		*50 - 150*	*06/10/25 09:27*	*06/10/25 10:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*50 - 150*	*06/10/25 09:27*	*06/10/25 10:30*	*1*

Lab Sample ID: LCS 400-712255/1-A
Matrix: Solid
Analysis Batch: 712195

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 712255

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	0.200	0.2147		mg/Kg		107	48 - 150
Benzene	0.0500	0.04444		mg/Kg		89	65 - 130
Bromobenzene	0.0500	0.04836		mg/Kg		97	65 - 130
Bromoform	0.0500	0.04784		mg/Kg		96	52 - 136
Bromomethane	0.0500	0.04934		mg/Kg		99	12 - 150
2-Butanone (MEK)	0.200	0.1630		mg/Kg		82	55 - 130
Chlorobromomethane	0.0500	0.04557		mg/Kg		91	65 - 130
Carbon disulfide	0.0500	0.02985		mg/Kg		60	46 - 141
Carbon tetrachloride	0.0500	0.05138		mg/Kg		103	60 - 130
Chlorobenzene	0.0500	0.04699		mg/Kg		94	70 - 130
Chloroethane	0.0500	0.04170		mg/Kg		83	55 - 134
Chloroform	0.0500	0.05349		mg/Kg		107	62 - 130
Chloromethane	0.0500	0.03875		mg/Kg		77	49 - 136
2-Chlorotoluene	0.0500	0.05323		mg/Kg		106	67 - 130
4-Chlorotoluene	0.0500	0.05235		mg/Kg		105	66 - 130
Chlorodibromomethane	0.0500	0.04979		mg/Kg		100	58 - 132
1,2-Dibromo-3-Chloropropane	0.0500	0.04461		mg/Kg		89	49 - 130
Dibromomethane	0.0500	0.04759		mg/Kg		95	65 - 130
1,2-Dichlorobenzene	0.0500	0.04961		mg/Kg		99	64 - 130
1,3-Dichlorobenzene	0.0500	0.05103		mg/Kg		102	66 - 130
Dichlorobromomethane	0.0500	0.05198		mg/Kg		104	61 - 130
1,4-Dichlorobenzene	0.0500	0.05005		mg/Kg		100	65 - 130
1,1-Dichloroethane	0.0500	0.04234		mg/Kg		85	59 - 130
1,2-Dichloroethane	0.0500	0.04782		mg/Kg		96	62 - 130
cis-1,2-Dichloroethene	0.0500	0.04339		mg/Kg		87	53 - 135
1,1-Dichloroethene	0.0500	0.04873		mg/Kg		97	55 - 137
1,2-Dichloropropane	0.0500	0.04000		mg/Kg		80	64 - 130
1,3-Dichloropropane	0.0500	0.04945		mg/Kg		99	67 - 130
2,2-Dichloropropane	0.0500	0.05218		mg/Kg		104	51 - 132
1,1-Dichloropropene	0.0500	0.04592		mg/Kg		92	65 - 130
Ethylene Dibromide	0.0500	0.04913		mg/Kg		98	67 - 130
cis-1,3-Dichloropropene	0.0500	0.05116		mg/Kg		102	61 - 130
Ethylbenzene	0.0500	0.04768		mg/Kg		95	70 - 130
Hexachlorobutadiene	0.0500	0.06999	*+	mg/Kg		140	62 - 133
2-Hexanone	0.200	0.1580		mg/Kg		79	57 - 131

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

Lab Sample ID: LCS 400-712255/1-A
Matrix: Solid
Analysis Batch: 712195

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 712255

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iodomethane	0.0500	0.04702		mg/Kg		94	12 - 150
Isopropylbenzene	0.0500	0.05147		mg/Kg		103	70 - 130
4-Isopropyltoluene	0.0500	0.05290		mg/Kg		106	68 - 130
Methylene Chloride	0.0500	0.05003		mg/Kg		100	57 - 132
4-Methyl-2-pentanone (MIBK)	0.200	0.1758		mg/Kg		88	58 - 130
Methyl tert-butyl ether	0.0500	0.05569		mg/Kg		111	63 - 130
Naphthalene	0.0500	0.04068		mg/Kg		81	45 - 144
n-Butylbenzene	0.0500	0.05587		mg/Kg		112	66 - 130
N-Propylbenzene	0.0500	0.05171		mg/Kg		103	67 - 130
sec-Butylbenzene	0.0500	0.05314		mg/Kg		106	67 - 130
Styrene	0.0500	0.04642		mg/Kg		93	68 - 130
tert-Butylbenzene	0.0500	0.05549		mg/Kg		111	67 - 130
1,1,1,2-Tetrachloroethane	0.0500	0.04935		mg/Kg		99	65 - 130
1,1,2,2-Tetrachloroethane	0.0500	0.04639		mg/Kg		93	60 - 131
Tetrachloroethene	0.0500	0.04666		mg/Kg		93	67 - 130
Toluene	0.0500	0.04236		mg/Kg		85	70 - 130
trans-1,4-Dichloro-2-butene	0.0500	0.04565		mg/Kg		91	45 - 137
trans-1,2-Dichloroethene	0.0500	0.04419		mg/Kg		88	58 - 134
trans-1,3-Dichloropropene	0.0500	0.04913		mg/Kg		98	60 - 130
1,2,3-Trichlorobenzene	0.0500	0.05033		mg/Kg		101	58 - 135
1,2,4-Trichlorobenzene	0.0500	0.05320		mg/Kg		106	56 - 138
1,1,1-Trichloroethane	0.0500	0.05129		mg/Kg		103	63 - 130
1,1,2-Trichloroethane	0.0500	0.04813		mg/Kg		96	65 - 130
o-Xylene	0.0500	0.04851		mg/Kg		97	70 - 130
Trichloroethene	0.0500	0.04912		mg/Kg		98	65 - 130
m-Xylene & p-Xylene	0.0500	0.04744		mg/Kg		95	70 - 130
Trichlorofluoromethane	0.0500	0.04375		mg/Kg		88	61 - 136
1,2,3-Trichloropropane	0.0500	0.05154		mg/Kg		103	60 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0500	0.04438		mg/Kg		89	47 - 143
1,2,4-Trimethylbenzene	0.0500	0.05234		mg/Kg		105	66 - 130
1,3,5-Trimethylbenzene	0.0500	0.05523		mg/Kg		110	67 - 130
Isopropyl ether	0.0500	0.04718		mg/Kg		94	62 - 130
Hexane	0.0500	0.03073		mg/Kg		61	57 - 132
Vinyl acetate	0.100	0.1087		mg/Kg		109	24 - 150
n-Heptane	0.0500	0.03319		mg/Kg		66	61 - 130
Vinyl chloride	0.0500	0.04271		mg/Kg		85	52 - 132
Ethyl acetate	0.100	0.09056		mg/Kg		91	21 - 150
Xylenes, Total	0.100	0.09595		mg/Kg		96	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*106*		*50 - 150*
Dibromofluoromethane	*114*		*50 - 150*
Toluene-d8 (Surr)	*96*		*50 - 150*
1,2-Dichloroethane-d4 (Surr)	*114*		*50 - 150*

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

Lab Sample ID: MB 400-712554/1-A
Matrix: Solid
Analysis Batch: 712525

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 712554

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0250	0.0120	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
Benzene	ND		0.00500	0.000670	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
Bromobenzene	ND		0.00500	0.00130	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
Bromoform	ND		0.00500	0.00130	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
Bromomethane	ND		0.00500	0.00250	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
2-Butanone (MEK)	ND		0.0250	0.00600	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
Chlorobromomethane	ND		0.00500	0.000810	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
Carbon disulfide	ND		0.00500	0.00253	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
Carbon tetrachloride	ND		0.00500	0.00170	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
Chlorobenzene	ND		0.00500	0.00132	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
Chloroethane	ND		0.00500	0.00330	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
Chloroform	ND		0.00500	0.00136	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
Chloromethane	ND		0.00500	0.00221	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
2-Chlorotoluene	ND		0.00500	0.00166	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
4-Chlorotoluene	ND		0.00500	0.000980	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
Chlorodibromomethane	ND		0.00500	0.00120	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
1,2-Dibromo-3-Chloropropane	ND		0.00500	0.00330	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
Dibromomethane	ND		0.00500	0.000830	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
1,2-Dichlorobenzene	ND		0.00500	0.00159	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
1,3-Dichlorobenzene	ND		0.00500	0.000950	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
Dichlorobromomethane	ND		0.00500	0.000920	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
1,4-Dichlorobenzene	ND		0.00500	0.000860	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
1,1-Dichloroethane	ND		0.00500	0.000830	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
1,2-Dichloroethane	ND		0.00500	0.00184	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
cis-1,2-Dichloroethene	ND		0.00500	0.000760	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
1,1-Dichloroethene	ND		0.00500	0.00210	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
1,2-Dichloropropane	ND		0.00500	0.000760	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
1,3-Dichloropropane	ND		0.00500	0.00100	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
2,2-Dichloropropane	ND		0.00500	0.00110	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
1,1-Dichloropropene	ND		0.00500	0.000830	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
Ethylene Dibromide	ND		0.00500	0.00100	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
cis-1,3-Dichloropropene	ND		0.00500	0.00120	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
Ethylbenzene	ND		0.00500	0.000610	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
Hexachlorobutadiene	ND		0.00500	0.00250	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
2-Hexanone	ND		0.0250	0.00500	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
Iodomethane	ND		0.00500	0.00340	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
Isopropylbenzene	ND		0.00500	0.000680	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
4-Isopropyltoluene	ND		0.00500	0.00100	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
Methylene Chloride	ND		0.0150	0.0100	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
4-Methyl-2-pentanone (MIBK)	ND		0.0250	0.0134	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
Methyl tert-butyl ether	ND		0.00500	0.00100	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
Naphthalene	ND		0.00500	0.00300	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
n-Butylbenzene	ND		0.00500	0.000960	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
N-Propylbenzene	ND		0.00500	0.000900	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
sec-Butylbenzene	ND		0.00500	0.000950	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
Styrene	ND		0.00500	0.00100	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
tert-Butylbenzene	ND		0.00500	0.00110	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
1,1,1,2-Tetrachloroethane	ND		0.00500	0.00110	mg/Kg		06/12/25 11:00	06/12/25 12:16	1

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

Lab Sample ID: MB 400-712554/1-A
Matrix: Solid
Analysis Batch: 712525

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 712554

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		06/12/25 11:00	06/12/25 12:16	1
Tetrachloroethene	ND		0.00500	0.00300	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
Toluene	ND		0.00500	0.00100	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
trans-1,4-Dichloro-2-butene	ND		0.00500	0.00250	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
trans-1,2-Dichloroethene	ND		0.00500	0.000960	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
trans-1,3-Dichloropropene	ND		0.00500	0.00110	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
1,2,3-Trichlorobenzene	ND		0.00500	0.00110	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
1,2,4-Trichlorobenzene	ND		0.00500	0.00201	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
1,1,1-Trichloroethane	ND		0.00500	0.00110	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
1,1,2-Trichloroethane	ND		0.00500	0.00161	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
o-Xylene	ND		0.00500	0.00300	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
Trichloroethene	ND		0.00500	0.00100	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
m-Xylene & p-Xylene	ND		0.00500	0.00300	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
Trichlorofluoromethane	ND		0.00500	0.00242	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
1,2,3-Trichloropropane	ND		0.00500	0.00208	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00500	0.00188	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
1,2,4-Trimethylbenzene	ND		0.00500	0.00100	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
1,3,5-Trimethylbenzene	ND		0.00500	0.000830	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
Isopropyl ether	ND		0.00500	0.00138	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
Hexane	ND		0.00500	0.00260	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
Vinyl acetate	ND		0.0250	0.00638	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
n-Heptane	ND		0.00500	0.00289	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
Vinyl chloride	ND		0.00500	0.00218	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
Ethyl acetate	ND		0.0200	0.00500	mg/Kg		06/12/25 11:00	06/12/25 12:16	1
Xylenes, Total	ND		0.0100	0.00600	mg/Kg		06/12/25 11:00	06/12/25 12:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*50 - 150*	*06/12/25 11:00*	*06/12/25 12:16*	*1*
Dibromofluoromethane	*97*		*50 - 150*	*06/12/25 11:00*	*06/12/25 12:16*	*1*
Toluene-d8 (Surr)	*101*		*50 - 150*	*06/12/25 11:00*	*06/12/25 12:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*50 - 150*	*06/12/25 11:00*	*06/12/25 12:16*	*1*

Lab Sample ID: LCS 400-712554/2-A
Matrix: Solid
Analysis Batch: 712525

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 712554

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	0.200	0.1983		mg/Kg		99	48 - 150
Benzene	0.0500	0.04659		mg/Kg		93	65 - 130
Bromobenzene	0.0500	0.04766		mg/Kg		95	65 - 130
Bromoform	0.0500	0.04275		mg/Kg		85	52 - 136
Bromomethane	0.0500	0.06976		mg/Kg		140	12 - 150
2-Butanone (MEK)	0.200	0.1807		mg/Kg		90	55 - 130
Chlorobromomethane	0.0500	0.04651		mg/Kg		93	65 - 130
Carbon disulfide	0.0500	0.04079		mg/Kg		82	46 - 141
Carbon tetrachloride	0.0500	0.04751		mg/Kg		95	60 - 130
Chlorobenzene	0.0500	0.04936		mg/Kg		99	70 - 130
Chloroethane	0.0500	0.05542		mg/Kg		111	55 - 134

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

Lab Sample ID: LCS 400-712554/2-A
Matrix: Solid
Analysis Batch: 712525

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 712554

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroform	0.0500	0.04989		mg/Kg		100	62 - 130
Chloromethane	0.0500	0.05323		mg/Kg		106	49 - 136
2-Chlorotoluene	0.0500	0.05044		mg/Kg		101	67 - 130
4-Chlorotoluene	0.0500	0.05138		mg/Kg		103	66 - 130
Chlorodibromomethane	0.0500	0.04581		mg/Kg		92	58 - 132
1,2-Dibromo-3-Chloropropane	0.0500	0.04176		mg/Kg		84	49 - 130
Dibromomethane	0.0500	0.04797		mg/Kg		96	65 - 130
1,2-Dichlorobenzene	0.0500	0.04947		mg/Kg		99	64 - 130
1,3-Dichlorobenzene	0.0500	0.04938		mg/Kg		99	66 - 130
Dichlorobromomethane	0.0500	0.04851		mg/Kg		97	61 - 130
1,4-Dichlorobenzene	0.0500	0.04984		mg/Kg		100	65 - 130
1,1-Dichloroethane	0.0500	0.04821		mg/Kg		96	59 - 130
1,2-Dichloroethane	0.0500	0.04811		mg/Kg		96	62 - 130
cis-1,2-Dichloroethene	0.0500	0.04859		mg/Kg		97	53 - 135
1,1-Dichloroethene	0.0500	0.04765		mg/Kg		95	55 - 137
1,2-Dichloropropane	0.0500	0.04805		mg/Kg		96	64 - 130
1,3-Dichloropropane	0.0500	0.04556		mg/Kg		91	67 - 130
2,2-Dichloropropane	0.0500	0.04817		mg/Kg		96	51 - 132
1,1-Dichloropropene	0.0500	0.04559		mg/Kg		91	65 - 130
Ethylene Dibromide	0.0500	0.04521		mg/Kg		90	67 - 130
cis-1,3-Dichloropropene	0.0500	0.04781		mg/Kg		96	61 - 130
Ethylbenzene	0.0500	0.05005		mg/Kg		100	70 - 130
Hexachlorobutadiene	0.0500	0.04935		mg/Kg		99	62 - 133
2-Hexanone	0.200	0.1901		mg/Kg		95	57 - 131
Iodomethane	0.0500	0.03689		mg/Kg		74	12 - 150
Isopropylbenzene	0.0500	0.05077		mg/Kg		102	70 - 130
4-Isopropyltoluene	0.0500	0.05146		mg/Kg		103	68 - 130
Methylene Chloride	0.0500	0.04409		mg/Kg		88	57 - 132
4-Methyl-2-pentanone (MIBK)	0.200	0.1753		mg/Kg		88	58 - 130
Methyl tert-butyl ether	0.0500	0.04765		mg/Kg		95	63 - 130
Naphthalene	0.0500	0.04369		mg/Kg		87	45 - 144
n-Butylbenzene	0.0500	0.05386		mg/Kg		108	66 - 130
N-Propylbenzene	0.0500	0.04988		mg/Kg		100	67 - 130
sec-Butylbenzene	0.0500	0.05131		mg/Kg		103	67 - 130
Styrene	0.0500	0.05118		mg/Kg		102	68 - 130
tert-Butylbenzene	0.0500	0.06000		mg/Kg		120	67 - 130
1,1,1,2-Tetrachloroethane	0.0500	0.04665		mg/Kg		93	65 - 130
1,1,2,2-Tetrachloroethane	0.0500	0.04423		mg/Kg		88	60 - 131
Tetrachloroethene	0.0500	0.04467		mg/Kg		89	67 - 130
Toluene	0.0500	0.04764		mg/Kg		95	70 - 130
trans-1,4-Dichloro-2-butene	0.0500	0.04431		mg/Kg		89	45 - 137
trans-1,2-Dichloroethene	0.0500	0.04620		mg/Kg		92	58 - 134
trans-1,3-Dichloropropene	0.0500	0.04613		mg/Kg		92	60 - 130
1,2,3-Trichlorobenzene	0.0500	0.04628		mg/Kg		93	58 - 135
1,2,4-Trichlorobenzene	0.0500	0.04797		mg/Kg		96	56 - 138
1,1,1-Trichloroethane	0.0500	0.04745		mg/Kg		95	63 - 130
1,1,2-Trichloroethane	0.0500	0.04570		mg/Kg		91	65 - 130
o-Xylene	0.0500	0.04951		mg/Kg		99	70 - 130
Trichloroethene	0.0500	0.04592		mg/Kg		92	65 - 130

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

Lab Sample ID: LCS 400-712554/2-A
Matrix: Solid
Analysis Batch: 712525

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 712554

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
m-Xylene & p-Xylene	0.0500	0.05039		mg/Kg		101	70 - 130
Trichlorofluoromethane	0.0500	0.05618		mg/Kg		112	61 - 136
1,2,3-Trichloropropane	0.0500	0.04334		mg/Kg		87	60 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0500	0.04831		mg/Kg		97	47 - 143
1,2,4-Trimethylbenzene	0.0500	0.05087		mg/Kg		102	66 - 130
1,3,5-Trimethylbenzene	0.0500	0.05022		mg/Kg		100	67 - 130
Isopropyl ether	0.0500	0.05154		mg/Kg		103	62 - 130
Hexane	0.0500	0.03993		mg/Kg		80	57 - 132
Vinyl acetate	0.100	0.09655		mg/Kg		97	24 - 150
n-Heptane	0.0500	0.04223		mg/Kg		84	61 - 130
Vinyl chloride	0.0500	0.05773		mg/Kg		115	52 - 132
Ethyl acetate	0.100	0.08485		mg/Kg		85	21 - 150
Xylenes, Total	0.100	0.09989		mg/Kg		100	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*50 - 150*
Dibromofluoromethane	*104*		*50 - 150*
Toluene-d8 (Surr)	*99*		*50 - 150*
1,2-Dichloroethane-d4 (Surr)	*107*		*50 - 150*

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

Lab Sample ID: MB 400-712118/1-A
Matrix: Solid
Analysis Batch: 712339

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 712118

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.330	0.0830	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
2,4,5-Trichlorophenol	ND		0.330	0.101	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
2,4,6-Trichlorophenol	ND		0.330	0.105	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
2,4-Dichlorophenol	ND		0.330	0.0700	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
2,4-Dimethylphenol	ND		0.330	0.0940	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
2,4-Dinitrophenol	ND		0.990	0.290	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
2,4-Dinitrotoluene	ND		0.330	0.101	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
2-Chlorophenol	ND		0.330	0.121	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
2-Chloronaphthalene	ND		0.330	0.0770	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
2-Methylnaphthalene	ND		0.330	0.109	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
2-Methylphenol	ND		0.330	0.0800	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
2-Nitroaniline	ND		0.330	0.0700	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
2-Nitrophenol	ND		0.330	0.118	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
3 & 4 Methylphenol	ND		0.660	0.0770	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
3,3'-Dichlorobenzidine	ND		0.330	0.110	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
3-Nitroaniline	ND		0.330	0.0780	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
4,6-Dinitro-2-methylphenol	ND		0.330	0.240	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
4-Bromophenyl phenyl ether	ND		0.330	0.105	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
4-Chloro-3-methylphenol	ND		0.330	0.0810	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
4-Chloroaniline	ND		0.330	0.0810	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
4-Chlorophenyl phenyl ether	ND		0.330	0.0330	mg/Kg		06/09/25 15:53	06/11/25 12:26	1

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

Lab Sample ID: MB 400-712118/1-A
Matrix: Solid
Analysis Batch: 712339

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 712118

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	ND		0.330	0.113	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
Acenaphthene	ND		0.330	0.0810	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
Acenaphthylene	ND		0.330	0.0880	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
Acetophenone	ND		0.330	0.0940	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
Anthracene	ND		0.330	0.0780	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
Benzo[a]anthracene	ND		0.330	0.0880	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
Benzo[a]pyrene	ND		0.330	0.0470	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
Benzo[b]fluoranthene	ND		0.330	0.0990	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
Benzo[g,h,i]perylene	ND		0.330	0.110	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
Benzo[k]fluoranthene	ND		0.330	0.0780	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
Bis(2-chloroethoxy)methane	ND		0.330	0.0730	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
Bis(2-chloroethyl)ether	ND		0.330	0.108	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
Bis(2-ethylhexyl) phthalate	ND		0.330	0.0810	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
Chrysene	ND		0.330	0.106	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
Dibenz(a,h)anthracene	ND		0.330	0.127	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
Dibenzofuran	ND		0.330	0.0830	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
Di-n-butyl phthalate	ND		0.330	0.0970	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
Diethyl phthalate	ND		0.330	0.106	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
Dimethyl phthalate	ND		0.330	0.0890	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
Di-n-octyl phthalate	ND		0.330	0.120	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
Fluoranthene	ND		0.330	0.0730	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
Fluorene	ND		0.330	0.0900	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
Hexachlorobenzene	ND		0.330	0.100	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
Hexachlorobutadiene	ND		0.330	0.139	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
Hexachlorocyclopentadiene	ND		0.330	0.0660	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
Hexachloroethane	ND		0.330	0.152	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
Indeno[1,2,3-cd]pyrene	ND		0.330	0.133	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
Isophorone	ND		0.330	0.0670	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
Naphthalene	ND		0.330	0.0890	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
Nitrobenzene	ND		0.330	0.0980	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
N-Nitrosodiphenylamine	ND		0.330	0.0840	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
N-Nitrosodi-n-propylamine	ND		0.330	0.105	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
Pentachlorophenol	ND		0.660	0.160	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
Phenanthrene	ND		0.330	0.0810	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
Phenol	ND		0.330	0.0890	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
Pyrene	ND		0.330	0.0780	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
Butyl benzyl phthalate	ND		0.330	0.160	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
bis (2-chloroisopropyl) ether	ND		0.330	0.126	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
Carbazole	ND		0.330	0.112	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
2,6-Dinitrotoluene	ND		0.330	0.103	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
4-Nitrophenol	ND		0.330	0.300	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
Atrazine	ND		0.330	0.0900	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
Benzaldehyde	ND		0.330	0.134	mg/Kg		06/09/25 15:53	06/11/25 12:26	1
Caprolactam	ND		0.330	0.0840	mg/Kg		06/09/25 15:53	06/11/25 12:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*49*		*10 - 150*	*06/09/25 15:53*	*06/11/25 12:26*	*1*
2-Fluorobiphenyl (Surr)	*70*		*27 - 127*	*06/09/25 15:53*	*06/11/25 12:26*	*1*

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

Lab Sample ID: MB 400-712118/1-A
Matrix: Solid
Analysis Batch: 712339

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 712118

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	*81*		*25 - 128*	*06/09/25 15:53*	*06/11/25 12:26*	*1*
Terphenyl-d14 (Surr)	*83*		*24 - 146*	*06/09/25 15:53*	*06/11/25 12:26*	*1*
Phenol-d5 (Surr)	*89*		*29 - 130*	*06/09/25 15:53*	*06/11/25 12:26*	*1*
Nitrobenzene-d5 (Surr)	*71*		*15 - 136*	*06/09/25 15:53*	*06/11/25 12:26*	*1*

Lab Sample ID: LCS 400-712118/2-A
Matrix: Solid
Analysis Batch: 712339

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 712118

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	2.00	1.533		mg/Kg		77	47 - 100
2,4,5-Trichlorophenol	2.00	2.427	*+	mg/Kg		121	50 - 118
2,4,6-Trichlorophenol	2.00	2.418	*+	mg/Kg		121	49 - 115
2,4-Dichlorophenol	2.00	2.161		mg/Kg		108	53 - 120
2,4-Dimethylphenol	2.00	2.498	*+	mg/Kg		125	45 - 108
2,4-Dinitrophenol	4.00	6.738	*+	mg/Kg		168	10 - 138
2,4-Dinitrotoluene	2.00	2.493		mg/Kg		125	53 - 133
2-Chlorophenol	2.00	0.8039	*-	mg/Kg		40	50 - 102
2-Chloronaphthalene	2.00	1.480		mg/Kg		74	48 - 102
2-Methylnaphthalene	2.00	2.005		mg/Kg		100	39 - 112
2-Methylphenol	2.00	1.336		mg/Kg		67	49 - 111
2-Nitroaniline	2.00	2.135		mg/Kg		107	46 - 108
2-Nitrophenol	2.00	0.9438	*-	mg/Kg		47	53 - 120
3 & 4 Methylphenol	2.00	1.668		mg/Kg		83	47 - 123
3,3'-Dichlorobenzidine	2.67	3.126		mg/Kg		117	42 - 120
3-Nitroaniline	2.00	2.894	*+	mg/Kg		145	28 - 119
4,6-Dinitro-2-methylphenol	4.00	5.034		mg/Kg		126	35 - 135
4-Bromophenyl phenyl ether	2.00	1.726		mg/Kg		86	51 - 120
4-Chloro-3-methylphenol	2.00	3.283	*+	mg/Kg		164	57 - 124
4-Chloroaniline	2.00	1.561		mg/Kg		78	26 - 102
4-Chlorophenyl phenyl ether	2.00	2.090		mg/Kg		105	53 - 113
4-Nitroaniline	2.00	3.469	*+	mg/Kg		173	32 - 131
Acenaphthene	2.00	1.909		mg/Kg		95	46 - 112
Acenaphthylene	2.00	1.743		mg/Kg		87	41 - 116
Acetophenone	2.00	1.539		mg/Kg		77	43 - 100
Anthracene	2.00	1.903		mg/Kg		95	43 - 120
Benzo[a]anthracene	2.00	2.188		mg/Kg		109	45 - 122
Benzo[a]pyrene	2.00	2.012		mg/Kg		101	40 - 121
Benzo[b]fluoranthene	2.00	2.105		mg/Kg		105	37 - 116
Benzo[g,h,i]perylene	2.00	2.296		mg/Kg		115	34 - 120
Benzo[k]fluoranthene	2.00	1.966		mg/Kg		98	35 - 133
Bis(2-chloroethoxy)methane	2.00	1.672		mg/Kg		84	33 - 100
Bis(2-chloroethyl)ether	2.00	2.467	*+	mg/Kg		123	28 - 120
Bis(2-ethylhexyl) phthalate	2.00	1.843		mg/Kg		92	40 - 150
Chrysene	2.00	2.046		mg/Kg		102	42 - 132
Dibenz(a,h)anthracene	2.00	2.158		mg/Kg		108	36 - 127
Dibenzofuran	2.00	1.983		mg/Kg		99	54 - 105
Di-n-butyl phthalate	2.00	1.825		mg/Kg		91	40 - 122

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

Lab Sample ID: LCS 400-712118/2-A
Matrix: Solid
Analysis Batch: 712339

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 712118

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diethyl phthalate	2.00	2.493		mg/Kg		125	40 - 128
Dimethyl phthalate	2.00	2.125		mg/Kg		106	58 - 120
Di-n-octyl phthalate	2.00	1.833		mg/Kg		92	40 - 137
Fluoranthene	2.00	1.955		mg/Kg		98	42 - 124
Fluorene	2.00	2.182		mg/Kg		109	45 - 116
Hexachlorobenzene	2.00	1.804		mg/Kg		90	49 - 127
Hexachlorobutadiene	2.00	1.459		mg/Kg		73	43 - 120
Hexachlorocyclopentadiene	2.00	1.576		mg/Kg		79	10 - 140
Hexachloroethane	2.00	1.553		mg/Kg		78	45 - 120
Indeno[1,2,3-cd]pyrene	2.00	2.160		mg/Kg		108	40 - 117
Isophorone	2.00	1.889		mg/Kg		94	36 - 120
Naphthalene	2.00	1.741		mg/Kg		87	40 - 106
Nitrobenzene	2.00	1.459		mg/Kg		73	40 - 120
N-Nitrosodiphenylamine	1.98	1.660		mg/Kg		84	54 - 120
N-Nitrosodi-n-propylamine	2.00	0.8740		mg/Kg		44	39 - 120
Pentachlorophenol	4.00	5.039		mg/Kg		126	32 - 131
Phenanthrene	2.00	2.241	*+	mg/Kg		112	47 - 111
Phenol	2.00	1.222		mg/Kg		61	40 - 120
Pyrene	2.00	1.541		mg/Kg		77	41 - 124
Butyl benzyl phthalate	2.00	1.671		mg/Kg		84	50 - 126
bis (2-chloroisopropyl) ether	2.00	0.9347		mg/Kg		47	18 - 105
Carbazole	2.00	2.580		mg/Kg		129	36 - 132
2,6-Dinitrotoluene	2.00	2.051		mg/Kg		103	51 - 114
4-Nitrophenol	4.00	6.482	*+	mg/Kg		162	35 - 139
Atrazine	2.00	1.726		mg/Kg		86	44 - 120
Benzaldehyde	2.00	1.000		mg/Kg		50	20 - 120
Caprolactam	2.00	1.668		mg/Kg		83	43 - 111

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*139*		*10 - 150*
2-Fluorobiphenyl (Surr)	*66*		*27 - 127*
2-Fluorophenol (Surr)	*77*		*25 - 128*
Terphenyl-d14 (Surr)	*81*		*24 - 146*
Phenol-d5 (Surr)	*50*		*29 - 130*
Nitrobenzene-d5 (Surr)	*62*		*15 - 136*

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

Lab Sample ID: MB 400-712284/1-A
Matrix: Solid
Analysis Batch: 712813

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 712284

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.00120	0.00120	mg/Kg		06/10/25 14:36	06/15/25 01:07	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*41*		*10 - 150*	*06/10/25 14:36*	*06/15/25 01:07*	*1*

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

Lab Sample ID: LCS 400-712284/2-A
Matrix: Solid
Analysis Batch: 712813

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 712284

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane			0.267	0.2853		mg/Kg		107	50 - 150		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Dioxane-d8	*40*		*10 - 150*

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 400-711483/1-A
Matrix: Solid
Analysis Batch: 711595

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		2.00	0.659	mg/Kg			06/05/25 00:55	1

Lab Sample ID: LCS 400-711483/2-A
Matrix: Solid
Analysis Batch: 711595

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate as N			22.6	23.22		mg/Kg		103	80 - 120		

Lab Sample ID: 400-276843-1 MS
Matrix: Solid
Analysis Batch: 711595

Client Sample ID: SED-9
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate as N	ND		27.5	29.85		mg/Kg	☼	109	80 - 120		

Lab Sample ID: 400-276843-1 MSD
Matrix: Solid
Analysis Batch: 711595

Client Sample ID: SED-9
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	ND		27.5	30.10		mg/Kg	☼	110	80 - 120	1	15

Lab Sample ID: MB 400-711483/1-A
Matrix: Solid
Analysis Batch: 711597

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		20.0	7.29	mg/Kg			06/05/25 00:55	1

Lab Sample ID: LCS 400-711483/2-A
Matrix: Solid
Analysis Batch: 711597

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			100	100.0		mg/Kg		100	80 - 120		

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

Lab Sample ID: 400-276843-1 MS
Matrix: Solid
Analysis Batch: 711597

Client Sample ID: SED-9
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	12.8	J	122	134.9		mg/Kg	☼	100	80 - 120

Lab Sample ID: 400-276843-1 MSD
Matrix: Solid
Analysis Batch: 711597

Client Sample ID: SED-9
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	12.8	J	121	142.6		mg/Kg	☼	107	80 - 120	6	15

Method: 6020B - Metals (ICPMS) – Solid Matrix

Lab Sample ID: MB 680-883164/1-A
Matrix: Solid
Analysis Batch: 883230

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 883164

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.0200	0.00200	mg/Kg		06/04/25 05:57	06/04/25 14:24	1
Arsenic	ND		0.00600	0.00200	mg/Kg		06/04/25 05:57	06/04/25 14:24	1
Barium	ND		0.0100	0.00120	mg/Kg		06/04/25 05:57	06/04/25 14:24	1
Beryllium	ND		0.00100	0.000300	mg/Kg		06/04/25 05:57	06/04/25 14:24	1
Cadmium	ND		0.00100	0.000300	mg/Kg		06/04/25 05:57	06/04/25 14:24	1
Chromium	ND		0.0200	0.00220	mg/Kg		06/04/25 05:57	06/04/25 14:24	1
Cobalt	ND		0.00100	0.000200	mg/Kg		06/04/25 05:57	06/04/25 14:24	1
Copper	ND		0.0100	0.00260	mg/Kg		06/04/25 05:57	06/04/25 14:24	1
Lead	ND		0.00400	0.00100	mg/Kg		06/04/25 05:57	06/04/25 14:24	1
Manganese	ND		0.0200	0.00240	mg/Kg		06/04/25 05:57	06/04/25 14:24	1
Nickel	ND		0.0200	0.00520	mg/Kg		06/04/25 05:57	06/04/25 14:24	1
Selenium	ND		0.0100	0.00200	mg/Kg		06/04/25 05:57	06/04/25 14:24	1
Silver	ND		0.00200	0.000200	mg/Kg		06/04/25 05:57	06/04/25 14:24	1
Thallium	ND		0.00200	0.00100	mg/Kg		06/04/25 05:57	06/04/25 14:24	1
Vanadium	ND		0.0100	0.00540	mg/Kg		06/04/25 05:57	06/04/25 14:24	1
Zinc	ND		0.0400	0.0200	mg/Kg		06/04/25 05:57	06/04/25 14:24	1

Lab Sample ID: LCS 680-883164/2-A
Matrix: Solid
Analysis Batch: 883230

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 883164

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.100	0.1046		mg/Kg		105	80 - 120
Arsenic	0.200	0.2083		mg/Kg		104	80 - 120
Barium	0.200	0.2131		mg/Kg		107	80 - 120
Beryllium	0.100	0.1085		mg/Kg		108	80 - 120
Cadmium	0.100	0.1062		mg/Kg		106	80 - 120
Chromium	0.200	0.2200		mg/Kg		110	80 - 120
Cobalt	0.100	0.1130		mg/Kg		113	80 - 120
Copper	0.202	0.2224		mg/Kg		110	80 - 120
Lead	1.00	1.051		mg/Kg		105	80 - 120
Manganese	0.800	0.8496		mg/Kg		106	80 - 120
Nickel	0.200	0.2249		mg/Kg		112	80 - 120

Method: 6020B - Metals (ICPMS) – Solid Matrix (Continued)

Lab Sample ID: LCS 680-883164/2-A
Matrix: Solid
Analysis Batch: 883230

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 883164

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	0.200	0.2073		mg/Kg		104	80 - 120
Silver	0.100	0.1126		mg/Kg		113	80 - 120
Thallium	0.100	0.1050		mg/Kg		105	80 - 120
Vanadium	0.200	0.2120		mg/Kg		106	80 - 120
Zinc	0.200	0.2127		mg/Kg		106	80 - 120

Lab Sample ID: 400-276843-1 MS
Matrix: Solid
Analysis Batch: 883230

Client Sample ID: SED-9
Prep Type: Total/NA
Prep Batch: 883164

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	ND		5.54	5.474		mg/Kg	☼	99	75 - 125
Arsenic	0.452		11.1	11.28		mg/Kg	☼	98	75 - 125
Barium	20.2		11.1	29.99		mg/Kg	☼	88	75 - 125
Beryllium	0.122		5.54	5.843		mg/Kg	☼	103	75 - 125
Cadmium	0.0525	J	5.54	5.588		mg/Kg	☼	100	75 - 125
Chromium	3.67		11.1	14.97		mg/Kg	☼	102	75 - 125
Cobalt	1.72		5.54	7.259		mg/Kg	☼	100	75 - 125
Copper	4.41		11.2	16.16		mg/Kg	☼	105	75 - 125
Lead	8.15		55.4	64.91		mg/Kg	☼	103	75 - 125
Manganese	51.7		44.3	100.3		mg/Kg	☼	110	75 - 125
Nickel	4.94		11.1	15.58		mg/Kg	☼	96	75 - 125
Selenium	0.175	J	11.1	10.51		mg/Kg	☼	93	75 - 125
Silver	ND		5.54	5.771		mg/Kg	☼	104	75 - 125
Thallium	ND		5.54	5.509		mg/Kg	☼	100	75 - 125
Vanadium	7.11		11.1	17.53		mg/Kg	☼	94	75 - 125
Zinc	35.1	F1	11.1	47.25		mg/Kg	☼	110	75 - 125

Lab Sample ID: 400-276843-1 MSD
Matrix: Solid
Analysis Batch: 883230

Client Sample ID: SED-9
Prep Type: Total/NA
Prep Batch: 883164

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	ND		5.86	5.315		mg/Kg	☼	91	75 - 125	3	20
Arsenic	0.452		11.7	11.13		mg/Kg	☼	91	75 - 125	1	20
Barium	20.2		11.7	33.46		mg/Kg	☼	113	75 - 125	11	20
Beryllium	0.122		5.86	5.544		mg/Kg	☼	93	75 - 125	5	20
Cadmium	0.0525	J	5.86	5.351		mg/Kg	☼	90	75 - 125	4	20
Chromium	3.67		11.7	16.64		mg/Kg	☼	111	75 - 125	11	20
Cobalt	1.72		5.86	7.724		mg/Kg	☼	103	75 - 125	6	20
Copper	4.41		11.8	16.98		mg/Kg	☼	106	75 - 125	5	20
Lead	8.15		58.6	62.14		mg/Kg	☼	92	75 - 125	4	20
Manganese	51.7		46.8	101.4		mg/Kg	☼	106	75 - 125	1	20
Nickel	4.94		11.7	16.64		mg/Kg	☼	100	75 - 125	7	20
Selenium	0.175	J	11.7	10.32		mg/Kg	☼	87	75 - 125	2	20
Silver	ND		5.86	5.605		mg/Kg	☼	96	75 - 125	3	20
Thallium	ND		5.86	5.277		mg/Kg	☼	90	75 - 125	4	20
Vanadium	7.11		11.7	19.40		mg/Kg	☼	105	75 - 125	10	20
Zinc	35.1	F1	11.7	40.41	F1	mg/Kg	☼	45	75 - 125	16	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 680-883288/12-A
Matrix: Solid
Analysis Batch: 883368

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 883288

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0250	0.00800	mg/Kg		06/05/25 15:11	06/09/25 07:16	1

Lab Sample ID: LCS 680-883288/13-A
Matrix: Solid
Analysis Batch: 883368

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 883288

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.250	0.2645		mg/Kg		106	80 - 120

Lab Sample ID: 400-276843-5 MS
Matrix: Solid
Analysis Batch: 883368

Client Sample ID: SED-DUP
Prep Type: Total/NA
Prep Batch: 883288

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.0201	J	0.129	0.1509		mg/Kg	☼	102	80 - 120

Lab Sample ID: 400-276843-5 MSD
Matrix: Solid
Analysis Batch: 883368

Client Sample ID: SED-DUP
Prep Type: Total/NA
Prep Batch: 883288

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.0201	J	0.124	0.1420		mg/Kg	☼	99	80 - 120	6	20

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MRL 400-712427/18
Matrix: Solid
Analysis Batch: 712427

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia (as N)	0.0498	0.06300		mg/L		126	50 - 150

Lab Sample ID: MB 400-712242/1-A
Matrix: Solid
Analysis Batch: 712427

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N)	ND		0.992	0.317	mg/Kg			06/11/25 10:07	1

Lab Sample ID: LCS 400-712242/2-A
Matrix: Solid
Analysis Batch: 712427

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia (as N)	59.0	60.28		mg/Kg		102	90 - 110

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: 400-276843-1 MS
Matrix: Solid
Analysis Batch: 712427

Client Sample ID: SED-9
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Ammonia (as N)	0.102	J F1	17.7	21.85	F1	mg/Kg	☼	123	90 - 110		

Lab Sample ID: 400-276843-1 MSD
Matrix: Solid
Analysis Batch: 712427

Client Sample ID: SED-9
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia (as N)	0.102	J F1	17.7	21.85	F1	mg/Kg	☼	123	90 - 110	0	11

Lab Chronicle

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276843-1

Client Sample ID: SED-9

Lab Sample ID: 400-276843-1

Date Collected: 05/30/25 09:10

Matrix: Solid

Date Received: 05/31/25 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			711543	06/04/25 18:09	TMP	EET PEN

Client Sample ID: SED-9

Lab Sample ID: 400-276843-1

Date Collected: 05/30/25 09:10

Matrix: Solid

Date Received: 05/31/25 10:09

Percent Solids: 82.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.188 g	5.0 mL	712255	06/10/25 09:27	BPO	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	712195	06/10/25 15:08	BPO	EET PEN
Total/NA	Prep	3546			15.52 g	1 mL	712118	06/10/25 14:55	AP	EET PEN
Total/NA	Analysis	8270E		5	0.4 mL	0.4 mL	712560	06/12/25 17:39	S1B	EET PEN
Total/NA	Prep	3546			15.13 g	1 mL	712284	06/10/25 14:36	AP	EET PEN
Total/NA	Analysis	8270E SIM ID		2	0.4 mL	0.4 mL	713818	06/24/25 12:02	VC1	EET PEN
Soluble	Leach	DI Leach			2.517 g	50 mL	711483	06/04/25 10:29	AMM	EET PEN
Soluble	Analysis	9056A		1			711595	06/05/25 01:12	AMM	EET PEN
Soluble	Leach	DI Leach			2.517 g	50 mL	711483	06/04/25 10:29	AMM	EET PEN
Soluble	Analysis	9056A		1			711597	06/05/25 01:12	AMM	EET PEN
Total/NA	Prep	3050B			0.51 g	250 mL	883164	06/04/25 05:57	RR	EET SAV
Total/NA	Analysis	6020B		1			883230	06/04/25 14:29	BWR	EET SAV
Total/NA	Prep	7471B			0.53 g	50 mL	883288	06/05/25 15:11	MG	EET SAV
Total/NA	Analysis	7471B		1			883368	06/09/25 07:43	BJB	EET SAV
Soluble	Leach	DI Leach			49.97 g	100 mL	712242	06/10/25 11:37	CAC	EET PEN
Soluble	Analysis	350.1		1	10 mL	10 mL	712427	06/11/25 10:12	CAC	EET PEN

Client Sample ID: SED-8

Lab Sample ID: 400-276843-2

Date Collected: 05/30/25 09:55

Matrix: Solid

Date Received: 05/31/25 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			711543	06/04/25 18:09	TMP	EET PEN

Client Sample ID: SED-8

Lab Sample ID: 400-276843-2

Date Collected: 05/30/25 09:55

Matrix: Solid

Date Received: 05/31/25 10:09

Percent Solids: 75.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.778 g	5.0 mL	712255	06/10/25 09:27	BPO	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	712195	06/10/25 15:32	BPO	EET PEN
Total/NA	Prep	3546			15.94 g	1 mL	712118	06/10/25 14:55	AP	EET PEN
Total/NA	Analysis	8270E		5	0.4 mL	0.4 mL	712560	06/12/25 18:06	S1B	EET PEN
Total/NA	Prep	3546			15.14 g	1 mL	712284	06/10/25 14:36	AP	EET PEN
Total/NA	Analysis	8270E SIM ID		2	0.4 mL	0.4 mL	713818	06/24/25 12:24	VC1	EET PEN
Soluble	Leach	DI Leach			2.503 g	50 mL	711483	06/04/25 10:29	AMM	EET PEN
Soluble	Analysis	9056A		1			711595	06/05/25 01:38	AMM	EET PEN

Lab Chronicle

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276843-1

Client Sample ID: SED-8

Lab Sample ID: 400-276843-2

Date Collected: 05/30/25 09:55

Matrix: Solid

Date Received: 05/31/25 10:09

Percent Solids: 75.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			2.503 g	50 mL	711483	06/04/25 10:29	AMM	EET PEN
Soluble	Analysis	9056A		1			711597	06/05/25 01:38	AMM	EET PEN
Total/NA	Prep	3050B			0.54 g	250 mL	883164	06/04/25 05:57	RR	EET SAV
Total/NA	Analysis	6020B		1			883230	06/04/25 14:37	BWR	EET SAV
Total/NA	Prep	7471B			0.50 g	50 mL	883288	06/05/25 15:11	MG	EET SAV
Total/NA	Analysis	7471B		1			883368	06/09/25 07:29	BJB	EET SAV
Soluble	Leach	DI Leach			5.11 g	100 mL	712242	06/10/25 11:37	CAC	EET PEN
Soluble	Analysis	350.1		1	10 mL	10 mL	712427	06/11/25 10:20	CAC	EET PEN

Client Sample ID: SED-7

Lab Sample ID: 400-276843-3

Date Collected: 05/30/25 10:25

Matrix: Solid

Date Received: 05/31/25 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			711543	06/04/25 18:09	TMP	EET PEN

Client Sample ID: SED-7

Lab Sample ID: 400-276843-3

Date Collected: 05/30/25 10:25

Matrix: Solid

Date Received: 05/31/25 10:09

Percent Solids: 71.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.381 g	5.0 mL	712255	06/10/25 09:27	BPO	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	712195	06/10/25 15:57	BPO	EET PEN
Total/NA	Prep	3546			15.20 g	1 mL	712118	06/10/25 14:55	AP	EET PEN
Total/NA	Analysis	8270E		5	0.4 mL	0.4 mL	712560	06/12/25 18:33	S1B	EET PEN
Total/NA	Prep	3546			15.01 g	1 mL	712284	06/10/25 14:36	AP	EET PEN
Total/NA	Analysis	8270E SIM ID		20	0.4 mL	0.4 mL	713818	06/24/25 15:21	VC1	EET PEN
Soluble	Leach	DI Leach			2.510 g	50 mL	711483	06/04/25 10:29	AMM	EET PEN
Soluble	Analysis	9056A		1			711595	06/05/25 01:46	AMM	EET PEN
Soluble	Leach	DI Leach			2.510 g	50 mL	711483	06/04/25 10:29	AMM	EET PEN
Soluble	Analysis	9056A		1			711597	06/05/25 01:46	AMM	EET PEN
Total/NA	Prep	3050B			0.52 g	250 mL	883164	06/04/25 05:57	RR	EET SAV
Total/NA	Analysis	6020B		1			883230	06/04/25 14:39	BWR	EET SAV
Total/NA	Prep	7471B			0.59 g	50 mL	883288	06/05/25 15:11	MG	EET SAV
Total/NA	Analysis	7471B		1			883368	06/09/25 07:34	BJB	EET SAV
Soluble	Leach	DI Leach			5.36 g	100 mL	712242	06/10/25 11:37	CAC	EET PEN
Soluble	Analysis	350.1		1	10 mL	10 mL	712427	06/11/25 10:23	CAC	EET PEN

Client Sample ID: SED-6

Lab Sample ID: 400-276843-4

Date Collected: 05/30/25 11:25

Matrix: Solid

Date Received: 05/31/25 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			711543	06/04/25 18:09	TMP	EET PEN

Client Sample ID: SED-6

Lab Sample ID: 400-276843-4

Date Collected: 05/30/25 11:25
Matrix: Solid
Date Received: 05/31/25 10:09
Percent Solids: 84.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.144 g	5.0 mL	712255	06/10/25 09:27	BPO	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	712195	06/10/25 16:21	BPO	EET PEN
Total/NA	Prep	3546			15.08 g	1 mL	712118	06/10/25 14:55	AP	EET PEN
Total/NA	Analysis	8270E		5	0.4 mL	0.4 mL	712560	06/12/25 19:00	S1B	EET PEN
Total/NA	Prep	3546			15.53 g	1 mL	712284	06/10/25 14:36	AP	EET PEN
Total/NA	Analysis	8270E SIM ID		2	0.4 mL	0.4 mL	713818	06/24/25 13:08	VC1	EET PEN
Soluble	Leach	DI Leach			2.504 g	50 mL	711483	06/04/25 10:29	AMM	EET PEN
Soluble	Analysis	9056A		1			711595	06/05/25 01:55	AMM	EET PEN
Soluble	Leach	DI Leach			2.504 g	50 mL	711483	06/04/25 10:29	AMM	EET PEN
Soluble	Analysis	9056A		1			711597	06/05/25 01:55	AMM	EET PEN
Total/NA	Prep	3050B			0.60 g	250 mL	883164	06/04/25 05:57	RR	EET SAV
Total/NA	Analysis	6020B		1			883230	06/04/25 14:42	BWR	EET SAV
Total/NA	Prep	7471B			0.59 g	50 mL	883288	06/05/25 15:13	MG	EET SAV
Total/NA	Analysis	7471B		1			883368	06/09/25 07:50	BJB	EET SAV
Soluble	Leach	DI Leach			5.28 g	100 mL	712242	06/10/25 11:37	CAC	EET PEN
Soluble	Analysis	350.1		1	10 mL	10 mL	712427	06/11/25 10:26	CAC	EET PEN

Client Sample ID: SED-DUP

Lab Sample ID: 400-276843-5

Date Collected: 05/30/25 11:25
Matrix: Solid
Date Received: 05/31/25 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			711543	06/04/25 18:09	TMP	EET PEN

Client Sample ID: SED-DUP

Lab Sample ID: 400-276843-5

Date Collected: 05/30/25 11:25
Matrix: Solid
Date Received: 05/31/25 10:09
Percent Solids: 77.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.277 g	5.0 mL	712255	06/10/25 09:27	BPO	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	712195	06/10/25 16:46	BPO	EET PEN
Total/NA	Prep	3546			15.00 g	1 mL	712118	06/10/25 14:55	AP	EET PEN
Total/NA	Analysis	8270E		5	0.4 mL	0.4 mL	712560	06/12/25 19:27	S1B	EET PEN
Total/NA	Prep	3546			15.06 g	1 mL	712284	06/10/25 14:36	AP	EET PEN
Total/NA	Analysis	8270E SIM ID		2	0.4 mL	0.4 mL	713818	06/24/25 13:30	VC1	EET PEN
Soluble	Leach	DI Leach			2.513 g	50 mL	711483	06/04/25 10:29	AMM	EET PEN
Soluble	Analysis	9056A		1			711595	06/05/25 02:03	AMM	EET PEN
Soluble	Leach	DI Leach			2.513 g	50 mL	711483	06/04/25 10:29	AMM	EET PEN
Soluble	Analysis	9056A		1			711597	06/05/25 02:03	AMM	EET PEN
Total/NA	Prep	3050B			0.55 g	250 mL	883164	06/04/25 05:57	RR	EET SAV
Total/NA	Analysis	6020B		1			883230	06/04/25 14:44	BWR	EET SAV
Total/NA	Prep	7471B			0.50 g	50 mL	883288	06/05/25 15:11	MG	EET SAV
Total/NA	Analysis	7471B		1			883368	06/09/25 07:22	BJB	EET SAV
Soluble	Leach	DI Leach			5.40 g	100 mL	712242	06/10/25 11:37	CAC	EET PEN
Soluble	Analysis	350.1		1	10 mL	10 mL	712427	06/11/25 10:28	CAC	EET PEN

Client Sample ID: SED-5

Lab Sample ID: 400-276843-6

Date Collected: 05/30/25 12:15

Matrix: Solid

Date Received: 05/31/25 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			711543	06/04/25 18:09	TMP	EET PEN

Client Sample ID: SED-5

Lab Sample ID: 400-276843-6

Date Collected: 05/30/25 12:15

Matrix: Solid

Date Received: 05/31/25 10:09

Percent Solids: 70.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.001 g	5.0 mL	712554	06/12/25 11:00	CAR	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	712525	06/12/25 13:50	CAR	EET PEN
Total/NA	Prep	3546			15.57 g	1 mL	712118	06/10/25 14:55	AP	EET PEN
Total/NA	Analysis	8270E		5	0.4 mL	0.4 mL	712560	06/12/25 19:54	S1B	EET PEN
Total/NA	Prep	3546			15.68 g	1 mL	712284	06/10/25 14:36	AP	EET PEN
Total/NA	Analysis	8270E SIM ID		2	0.4 mL	0.4 mL	713818	06/24/25 13:52	VC1	EET PEN
Soluble	Leach	DI Leach			2.516 g	50 mL	711483	06/04/25 10:29	AMM	EET PEN
Soluble	Analysis	9056A		1			711595	06/05/25 02:12	AMM	EET PEN
Soluble	Leach	DI Leach			2.516 g	50 mL	711483	06/04/25 10:29	AMM	EET PEN
Soluble	Analysis	9056A		1			711597	06/05/25 02:12	AMM	EET PEN
Total/NA	Prep	3050B			0.56 g	250 mL	883164	06/04/25 05:59	RR	EET SAV
Total/NA	Analysis	6020B		1			883230	06/04/25 14:47	BWR	EET SAV
Total/NA	Prep	7471B			0.55 g	50 mL	883288	06/05/25 15:11	MG	EET SAV
Total/NA	Analysis	7471B		1			883368	06/09/25 07:36	BJB	EET SAV
Soluble	Leach	DI Leach			4.96 g	100 mL	712242	06/10/25 11:37	CAC	EET PEN
Soluble	Analysis	350.1		1	10 mL	10 mL	712427	06/11/25 10:31	CAC	EET PEN

Client Sample ID: SED-4

Lab Sample ID: 400-276843-7

Date Collected: 05/30/25 13:35

Matrix: Solid

Date Received: 05/31/25 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			711543	06/04/25 18:09	TMP	EET PEN

Client Sample ID: SED-4

Lab Sample ID: 400-276843-7

Date Collected: 05/30/25 13:35

Matrix: Solid

Date Received: 05/31/25 10:09

Percent Solids: 75.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.481 g	5.0 mL	712255	06/10/25 09:27	BPO	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	712195	06/10/25 17:10	BPO	EET PEN
Total/NA	Prep	3546			15.64 g	1 mL	712118	06/10/25 14:55	AP	EET PEN
Total/NA	Analysis	8270E		5	0.4 mL	0.4 mL	712560	06/12/25 20:22	S1B	EET PEN
Total/NA	Prep	3546			15.89 g	1 mL	712284	06/10/25 14:36	AP	EET PEN
Total/NA	Analysis	8270E SIM ID		5	0.4 mL	0.4 mL	712813	06/15/25 07:23	VC1	EET PEN
Soluble	Leach	DI Leach			2.509 g	50 mL	711483	06/04/25 10:29	AMM	EET PEN
Soluble	Analysis	9056A		1			711595	06/05/25 02:37	AMM	EET PEN

Client Sample ID: SED-4

Lab Sample ID: 400-276843-7

Date Collected: 05/30/25 13:35

Matrix: Solid

Date Received: 05/31/25 10:09

Percent Solids: 75.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			2.509 g	50 mL	711483	06/04/25 10:29	AMM	EET PEN
Soluble	Analysis	9056A		1			711597	06/05/25 02:37	AMM	EET PEN
Total/NA	Prep	3050B			0.53 g	250 mL	883164	06/04/25 05:59	RR	EET SAV
Total/NA	Analysis	6020B		1			883230	06/04/25 14:55	BWR	EET SAV
Total/NA	Prep	7471B			0.58 g	50 mL	883288	06/05/25 15:13	MG	EET SAV
Total/NA	Analysis	7471B		1			883368	06/09/25 07:48	BJB	EET SAV
Soluble	Leach	DI Leach			5.10 g	100 mL	712242	06/10/25 11:37	CAC	EET PEN
Soluble	Analysis	350.1		1	10 mL	10 mL	712427	06/11/25 10:34	CAC	EET PEN

Client Sample ID: SED-3

Lab Sample ID: 400-276843-8

Date Collected: 05/30/25 14:00

Matrix: Solid

Date Received: 05/31/25 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			711543	06/04/25 18:09	TMP	EET PEN

Client Sample ID: SED-3

Lab Sample ID: 400-276843-8

Date Collected: 05/30/25 14:00

Matrix: Solid

Date Received: 05/31/25 10:09

Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.553 g	5.0 mL	712255	06/10/25 09:27	BPO	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	712195	06/10/25 17:35	BPO	EET PEN
Total/NA	Prep	3546			15.01 g	1 mL	712118	06/10/25 14:55	AP	EET PEN
Total/NA	Analysis	8270E		5	0.4 mL	0.4 mL	712560	06/12/25 20:48	S1B	EET PEN
Total/NA	Prep	3546			15.31 g	1 mL	712284	06/10/25 14:36	AP	EET PEN
Total/NA	Analysis	8270E SIM ID		2	0.4 mL	0.4 mL	713818	06/24/25 14:14	VC1	EET PEN
Soluble	Leach	DI Leach			2.519 g	50 mL	711483	06/04/25 10:29	AMM	EET PEN
Soluble	Analysis	9056A		1			711595	06/05/25 02:46	AMM	EET PEN
Soluble	Leach	DI Leach			2.519 g	50 mL	711483	06/04/25 10:29	AMM	EET PEN
Soluble	Analysis	9056A		1			711597	06/05/25 02:46	AMM	EET PEN
Total/NA	Prep	3050B			0.58 g	250 mL	883164	06/04/25 05:59	RR	EET SAV
Total/NA	Analysis	6020B		1			883230	06/04/25 14:57	BWR	EET SAV
Total/NA	Prep	7471B			0.54 g	50 mL	883288	06/05/25 15:11	MG	EET SAV
Total/NA	Analysis	7471B		1			883368	06/09/25 07:32	BJB	EET SAV
Soluble	Leach	DI Leach			5.22 g	100 mL	712242	06/10/25 11:37	CAC	EET PEN
Soluble	Analysis	350.1		1	10 mL	10 mL	712427	06/11/25 10:36	CAC	EET PEN

Client Sample ID: SED-2

Lab Sample ID: 400-276843-9

Date Collected: 05/30/25 14:35

Matrix: Solid

Date Received: 05/31/25 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			711543	06/04/25 18:09	TMP	EET PEN

Client Sample ID: SED-2

Lab Sample ID: 400-276843-9

Date Collected: 05/30/25 14:35

Matrix: Solid

Date Received: 05/31/25 10:09

Percent Solids: 82.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.153 g	5.0 mL	712255	06/10/25 09:27	BPO	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	712195	06/10/25 17:59	BPO	EET PEN
Total/NA	Prep	3546			15.33 g	1 mL	712118	06/10/25 14:55	AP	EET PEN
Total/NA	Analysis	8270E		5	0.4 mL	0.4 mL	712560	06/12/25 21:15	S1B	EET PEN
Total/NA	Prep	3546			15.49 g	1 mL	712284	06/10/25 14:36	AP	EET PEN
Total/NA	Analysis	8270E SIM ID		2	0.4 mL	0.4 mL	713818	06/24/25 14:36	VC1	EET PEN
Soluble	Leach	DI Leach			2.523 g	50 mL	711483	06/04/25 10:29	AMM	EET PEN
Soluble	Analysis	9056A		1			711595	06/05/25 02:54	AMM	EET PEN
Soluble	Leach	DI Leach			2.523 g	50 mL	711483	06/04/25 10:29	AMM	EET PEN
Soluble	Analysis	9056A		1			711597	06/05/25 02:54	AMM	EET PEN
Total/NA	Prep	3050B			0.60 g	250 mL	883164	06/04/25 05:59	RR	EET SAV
Total/NA	Analysis	6020B		1			883230	06/04/25 15:00	BWR	EET SAV
Total/NA	Prep	7471B			0.52 g	50 mL	883288	06/05/25 15:13	MG	EET SAV
Total/NA	Analysis	7471B		1			883368	06/09/25 07:53	BJB	EET SAV
Soluble	Leach	DI Leach			5.32 g	100 mL	712242	06/10/25 11:37	CAC	EET PEN
Soluble	Analysis	350.1		1	10 mL	10 mL	712427	06/11/25 10:50	CAC	EET PEN

Client Sample ID: SED-1

Lab Sample ID: 400-276843-10

Date Collected: 05/30/25 15:20

Matrix: Solid

Date Received: 05/31/25 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			711543	06/04/25 18:09	TMP	EET PEN

Client Sample ID: SED-1

Lab Sample ID: 400-276843-10

Date Collected: 05/30/25 15:20

Matrix: Solid

Date Received: 05/31/25 10:09

Percent Solids: 89.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.411 g	5.0 mL	712255	06/10/25 09:27	BPO	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	712195	06/10/25 18:24	BPO	EET PEN
Total/NA	Prep	3546			15.46 g	1 mL	712118	06/10/25 14:55	AP	EET PEN
Total/NA	Analysis	8270E		5	0.4 mL	0.4 mL	712560	06/12/25 21:43	S1B	EET PEN
Total/NA	Prep	3546			15.00 g	1 mL	712284	06/10/25 14:36	AP	EET PEN
Total/NA	Analysis	8270E SIM ID		2	0.4 mL	0.4 mL	713818	06/24/25 14:58	VC1	EET PEN
Soluble	Leach	DI Leach			2.526 g	50 mL	711483	06/04/25 10:29	AMM	EET PEN
Soluble	Analysis	9056A		1			711595	06/05/25 03:03	AMM	EET PEN
Soluble	Leach	DI Leach			2.526 g	50 mL	711483	06/04/25 10:29	AMM	EET PEN
Soluble	Analysis	9056A		1			711597	06/05/25 03:03	AMM	EET PEN
Total/NA	Prep	3050B			0.59 g	250 mL	883164	06/04/25 05:59	RR	EET SAV
Total/NA	Analysis	6020B		1			883230	06/04/25 15:02	BWR	EET SAV
Total/NA	Prep	7471B			0.55 g	50 mL	883288	06/05/25 15:13	MG	EET SAV
Total/NA	Analysis	7471B		1			883368	06/09/25 07:46	BJB	EET SAV
Soluble	Leach	DI Leach			5.44 g	100 mL	712242	06/10/25 11:37	CAC	EET PEN
Soluble	Analysis	350.1		1	10 mL	10 mL	712427	06/11/25 10:52	CAC	EET PEN

Client Sample ID: TRIP BLANK

Lab Sample ID: 400-276843-11

Date Collected: 05/30/25 00:00

Matrix: Water

Date Received: 05/31/25 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	712040	06/09/25 16:16	CAR	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-711483/1-A

Date Collected: N/A

Matrix: Solid

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			2.503 g	50 mL	711483	06/04/25 10:29	AMM	EET PEN
Soluble	Analysis	9056A		1			711595	06/05/25 00:55	AMM	EET PEN
Soluble	Leach	DI Leach			2.503 g	50 mL	711483	06/04/25 10:29	AMM	EET PEN
Soluble	Analysis	9056A		1			711597	06/05/25 00:55	AMM	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-712040/4

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	712040	06/09/25 12:40	CAR	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-712118/1-A

Date Collected: N/A

Matrix: Solid

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.00 g	1 mL	712118	06/09/25 15:53	AP	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	712339	06/11/25 12:26	VC1	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-712242/1-A

Date Collected: N/A

Matrix: Solid

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	100 mL	712242	06/10/25 11:37	CAC	EET PEN
Soluble	Analysis	350.1		1	10 mL	10 mL	712427	06/11/25 10:07	CAC	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-712255/2-A

Date Collected: N/A

Matrix: Solid

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5.00 g	712255	06/10/25 09:27	BPO	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	712195	06/10/25 10:30	BPO	EET PEN

Lab Chronicle

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276843-1

Client Sample ID: Method Blank — Lab Sample ID: MB 400-712284/1-A

Date Collected: N/A
Date Received: N/A
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.00 g	1 mL	712284	06/10/25 14:36	AP	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	712813	06/15/25 01:07	VC1	EET PEN

Client Sample ID: Method Blank — Lab Sample ID: MB 400-712554/1-A

Date Collected: N/A
Date Received: N/A
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5.00 g	712554	06/12/25 11:00	CAR	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	712525	06/12/25 12:16	CAR	EET PEN

Client Sample ID: Method Blank — Lab Sample ID: MB 680-883164/1-A

Date Collected: N/A
Date Received: N/A
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			25 g	250 mL	883164	06/04/25 05:57	RR	EET SAV
Total/NA	Analysis	6020B		1			883230	06/04/25 14:24	BWR	EET SAV

Client Sample ID: Method Blank — Lab Sample ID: MB 680-883288/12-A

Date Collected: N/A
Date Received: N/A
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.5 g	50 mL	883288	06/05/25 15:11	MG	EET SAV
Total/NA	Analysis	7471B		1			883368	06/09/25 07:16	BJB	EET SAV

Client Sample ID: Lab Control Sample — Lab Sample ID: LCS 400-711483/2-A

Date Collected: N/A
Date Received: N/A
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			2.501 g	50 mL	711483	06/04/25 10:29	AMM	EET PEN
Soluble	Analysis	9056A		1			711595	06/05/25 01:04	AMM	EET PEN
Soluble	Leach	DI Leach			2.501 g	50 mL	711483	06/04/25 10:29	AMM	EET PEN
Soluble	Analysis	9056A		1			711597	06/05/25 01:04	AMM	EET PEN

Client Sample ID: Lab Control Sample — Lab Sample ID: LCS 400-712040/1002

Date Collected: N/A
Date Received: N/A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	712040	06/09/25 11:30	CAR	EET PEN

Lab Chronicle

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276843-1

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-712118/2-A
Date Collected: N/A
Matrix: Solid
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.00 g	1 mL	712118	06/09/25 15:53	AP	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	712339	06/11/25 12:58	VC1	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-712242/2-A
Date Collected: N/A
Matrix: Solid
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.07 g	100 mL	712242	06/10/25 11:37	CAC	EET PEN
Soluble	Analysis	350.1		1	10 mL	10 mL	712427	06/11/25 10:10	CAC	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-712255/1-A
Date Collected: N/A
Matrix: Solid
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5.00 g	712255	06/10/25 09:27	BPO	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	712195	06/10/25 09:27	BPO	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-712284/2-A
Date Collected: N/A
Matrix: Solid
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.00 g	1 mL	712284	06/10/25 14:36	AP	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	712813	06/15/25 01:32	VC1	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-712554/2-A
Date Collected: N/A
Matrix: Solid
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5.00 g	712554	06/12/25 11:00	CAR	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	712525	06/12/25 11:07	CAR	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 680-883164/2-A
Date Collected: N/A
Matrix: Solid
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			25 g	250 mL	883164	06/04/25 05:57	RR	EET SAV
Total/NA	Analysis	6020B		1			883230	06/04/25 14:26	BWR	EET SAV

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 680-883288/13-A

Date Collected: N/A

Matrix: Solid

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.5 g	50 mL	883288	06/05/25 15:11	MG	EET SAV
Total/NA	Analysis	7471B		1			883368	06/09/25 07:20	BJB	EET SAV

Client Sample ID: Lab Control Sample

Lab Sample ID: MRL 400-712427/18

Date Collected: N/A

Matrix: Solid

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	350.1		1	100 mL	100 mL	712427	06/11/25 09:51	CAC	EET PEN

Client Sample ID: SED-9

Lab Sample ID: 400-276843-1 MS

Date Collected: 05/30/25 09:10

Matrix: Solid

Date Received: 05/31/25 10:09

Percent Solids: 82.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			2.503 g	50 mL	711483	06/04/25 10:29	AMM	EET PEN
Soluble	Analysis	9056A		1			711595	06/05/25 01:21	AMM	EET PEN
Soluble	Leach	DI Leach			2.503 g	50 mL	711483	06/04/25 10:29	AMM	EET PEN
Soluble	Analysis	9056A		1			711597	06/05/25 01:21	AMM	EET PEN
Total/NA	Prep	3050B			0.55 g	250 mL	883164	06/04/25 05:57	RR	EET SAV
Total/NA	Analysis	6020B		1			883230	06/04/25 14:31	BWR	EET SAV
Soluble	Leach	DI Leach			5.14 g	100 mL	712242	06/10/25 11:37	CAC	EET PEN
Soluble	Analysis	350.1		1	10 mL	10 mL	712427	06/11/25 10:15	CAC	EET PEN

Client Sample ID: SED-9

Lab Sample ID: 400-276843-1 MSD

Date Collected: 05/30/25 09:10

Matrix: Solid

Date Received: 05/31/25 10:09

Percent Solids: 82.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			2.506 g	50 mL	711483	06/04/25 10:29	AMM	EET PEN
Soluble	Analysis	9056A		1			711595	06/05/25 01:29	AMM	EET PEN
Soluble	Leach	DI Leach			2.506 g	50 mL	711483	06/04/25 10:29	AMM	EET PEN
Soluble	Analysis	9056A		1			711597	06/05/25 01:29	AMM	EET PEN
Total/NA	Prep	3050B			0.52 g	250 mL	883164	06/04/25 05:57	RR	EET SAV
Total/NA	Analysis	6020B		1			883230	06/04/25 14:34	BWR	EET SAV
Soluble	Leach	DI Leach			5.14 g	100 mL	712242	06/10/25 11:37	CAC	EET PEN
Soluble	Analysis	350.1		1	10 mL	10 mL	712427	06/11/25 10:18	CAC	EET PEN

Client Sample ID: SED-DUP

Lab Sample ID: 400-276843-5 MS

Date Collected: 05/30/25 11:25

Matrix: Solid

Date Received: 05/31/25 10:09

Percent Solids: 77.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.50 g	50 mL	883288	06/05/25 15:11	MG	EET SAV
Total/NA	Analysis	7471B		1			883368	06/09/25 07:25	BJB	EET SAV

Lab Chronicle

Client: S&ME Inc
Job ID: 400-276843-1
Project/Site: Lyon Park

Client Sample ID: SED-DUP
Lab Sample ID: 400-276843-5 MSD
Date Collected: 05/30/25 11:25
Matrix: Solid
Date Received: 05/31/25 10:09
Percent Solids: 77.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.52 g	50 mL	883288	06/05/25 15:11	MG	EET SAV
Total/NA	Analysis	7471B		1			883368	06/09/25 07:27	BJB	EET SAV

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Method Summary

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 400-276843-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET PEN
8270E SIM ID	Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)	SW846	EET PEN
9056A	Anions, Ion Chromatography	SW846	EET PEN
6020B	Metals (ICPMS) – Solid Matrix	SW846	EET SAV
7471B	Mercury (CVAA)	SW846	EET SAV
350.1	Nitrogen, Ammonia	EPA	EET PEN
Moisture	Percent Moisture	EPA	EET PEN
3050B	Preparation, Metals	SW846	EET SAV
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 SAV
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 PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: S&ME Inc
Job ID: 400-276843-1
Project/Site: Lyon Park

Laboratory: Eurofins Pensacola

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
North Carolina (WW/SW)	State	314	12-31-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
350.1		Solid	Ammonia (as N)
8260D		Water	1,2,4-Trimethylbenzene
8260D		Water	Hexane
8260D		Water	n-Heptane
8260D	5035	Solid	Hexane
8260D	5035	Solid	n-Heptane
9056A		Solid	Nitrate as N
9056A		Solid	Sulfate
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins Savannah

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
North Carolina (WW/SW)	State	269	12-31-25

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone (850) 474-1001 Phone (850) 478-2671

Chain of Custody Record

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Client Information	Sampler: Jonathan Olanin	Lab PM: Bechtold, Chad	Carrier Tracking No(s):	COC No: 680-167642-59297.1
Client Contact: Jerry Paul	Phone: 919.872.2660	E-Mail: Chad.Bechtold@et.eurofinsus.com	State of Origin: NC	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 #: 23050630, Phase BB
Email: jpaul@smeinc.com	WO #:
Project Name: Lyon Park	Project #: 68026680
Site: Lyon Park	SSOW#:

Analysis Requested

Preservation Codes:
N - None
PL - MeOH/NaHS04
A - HCL

400-276843 Chain of Custody

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	350.1 - Ammonia, 9056A_ORGFM_28D - Sulfate	8270E - SVOCs, 8270E_SIM_ID_D5 - 1,4-Dioxane	9056A_ORGFM_48H - Nitrate as N - Soil	8260D - VOC NC 02L List - Soil	6020B - PRLF 16 Metals; 7471B - Hg - Soil	8260D - VOC NC 02L List (Water - Trip Blank)	Total Number of containers	Special Instructions/Note:
			Preservation Code:			N	N	N	PL	N	A		
SED-9	5/30/25	0910	G	S	N	X	X	X	X	X	X		
SED-8		0955				X	X	X	X	X	X		
SED-7		1025				X	X	X	X	X	X		
SED-6		1125				X	X	X	X	X	X		
SED-DUP		1125				X	X	X	X	X	X		
SED-5		1215				X	X	X	X	X	X		
SED-4		1335				X	X	X	X	X	X		
SED-3		1400				X	X	X	X	X	X		
SED-2		1435				X	X	X	X	X	X		
SED-1		1520				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: Jonathan Olanin	Date/Time: 5/30/25	Company: S&ME	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 5/31/25 1009	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.2, 6.9 TR10

Ver: 05/06/2024

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

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: 400-377114.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Chad.Bechtold@et.eurofinsus.com	State of Origin: North Carolina	Page: Page 1 of 2
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): State - North Carolina (WW/SW)		Job #: 400-276843-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 6/10/2025			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: Lyon Park	Project #: 68026680			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Wwwater, Ssolid, Owaste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3050B PRLF 16 Metals, Including prep	7471B/7471B_Prep Mercury	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
SED-9 (400-276843-1)	5/30/25	09:10 Eastern	G	Solid			X	X	1	
SED-8 (400-276843-2)	5/30/25	09:55 Eastern	G	Solid			X	X	1	
SED-7 (400-276843-3)	5/30/25	10:25 Eastern	G	Solid			X	X	1	
SED-6 (400-276843-4)	5/30/25	11:25 Eastern	G	Solid			X	X	1	
SED-DUP (400-276843-5)	5/30/25	11:25 Eastern	G	Solid			X	X	1	
SED-5 (400-276843-6)	5/30/25	12:15 Eastern	G	Solid			X	X	1	
SED-4 (400-276843-7)	5/30/25	13:35 Eastern	G	Solid			X	X	1	
SED-3 (400-276843-8)	5/30/25	14:00 Eastern	G	Solid			X	X	1	
SED-2 (400-276843-9)	5/30/25	14:35 Eastern	G	Solid			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 6/2/25 1700	Company: EV	Received by: Tingall	Date/Time: 6/3/25 1020	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: 1.8/1.8

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

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: 400-377114.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Chad.Bechtold@et.eurofinsus.com	State of Origin: North Carolina	Page: Page 2 of 2
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): State - North Carolina (WW/SW)		Job #: 400-276843-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 6/10/2025			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: Lyon Park	Project #: 68026680			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3050B PRLF 16 Metals, Including prep	7471B/7471B_Prep Mercury	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
SED-1 (400-276843-10)	5/30/25	15:20 Eastern	G	Solid			X	X	1	

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		6/2/25 NW	ECL		6/3/25 1020	
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: 1.8/1.8

Login Sample Receipt Checklist

Client: S&ME Inc

Job Number: 400-276843-1

Login Number: 276843

List Source: Eurofins Pensacola

List Number: 1

Creator: Beecher (Roberts), Alexis J

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Water present in cooler; indicates evidence of melted ice.
Cooler Temperature is acceptable.	False	Samples: 1,2,3,5,6,11 arrived hot
Cooler Temperature is recorded.	True	2.2°C, 6.9°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	SAMMPLES 5 + 7 HAD BROKEN CONTAINERS
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: S&ME Inc

Job Number: 400-276843-1

Login Number: 276843
List Number: 2
Creator: Faught, Timothy

List Source: Eurofins Savannah
List Creation: 06/03/25 12:33 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 9/9/2025 5:36:20 PM

JOB DESCRIPTION

Lyon Park

JOB NUMBER

752-36183-1

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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9/9/2025 5:36:20 PM

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

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Definitions/Glossary

Client: S&ME Inc
Job ID: 752-36183-1
Project/Site: Lyon Park

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
752-36183-1

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 8/26/2025 9:15 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 2.2°C.

GC/MS VOA
Method 8260D: The laboratory control sample (LCS) for analytical batch 400-721585 recovered outside control limits for the following analyte: Bromomethane. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The following analyte recovered outside control limits for the laboratory control sample (LCS) associated with analytical batch 400-721585: Iodomethane. This is not indicative of a systematic control problem because this was a random marginal exceedance. Qualified results have been reported.

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

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

Metals
Method 7470A: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 705-79866 and analytical batch 705-80061 recovered outside control limits for the following analytes: Mercury. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

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

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: Lyon Park

Job ID: 752-36183-1

Client Sample ID: A-MW-1 — Lab Sample ID: 752-36183-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	191		10.0	0.410	ug/L	1		6020B	Total Recoverable
Chromium	4.18	J	5.00	3.69	ug/L	1		6020B	Total Recoverable
Cobalt	0.919	J	5.00	0.411	ug/L	1		6020B	Total Recoverable
Copper	1.04	J	2.00	0.642	ug/L	1		6020B	Total Recoverable
Manganese	688		5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	9.23		5.00	0.422	ug/L	1		6020B	Total Recoverable
Vanadium	2.25	J	5.00	1.22	ug/L	1		6020B	Total Recoverable
Nitrate as N	0.181		0.100	0.0250	mg/L	1		Nitrate by calc	Total/NA
Sulfate	13.9		5.00	1.40	mg/L	1		SM 4500 SO4 E	Total/NA

Client Sample ID: A-MW-2 — Lab Sample ID: 752-36183-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	7.47		5.00	1.32	ug/L	1		6020B	Total Recoverable
Barium	549		10.0	0.410	ug/L	1		6020B	Total Recoverable
Cobalt	1.46	J	5.00	0.411	ug/L	1		6020B	Total Recoverable
Manganese	1280		5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	2.16	J	5.00	0.422	ug/L	1		6020B	Total Recoverable
Ammonia	0.249		0.0500	0.0200	mg/L	1		350.1	Total/NA
Nitrate as N	0.0431	J	0.100	0.0250	mg/L	1		Nitrate by calc	Total/NA
Sulfate	18.1		5.00	1.40	mg/L	1		SM 4500 SO4 E	Total/NA

This Detection Summary does not include radiochemical test results.

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 752-36183-1

Client Sample ID: A-MW-1
Date Collected: 08/25/25 16:35
Date Received: 08/26/25 09:15

Lab Sample ID: 752-36183-1
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			09/02/25 17:33	1
Benzene	ND		1.00	0.500	ug/L			09/02/25 17:33	1
Bromobenzene	ND		1.00	0.540	ug/L			09/02/25 17:33	1
Bromoform	ND		5.00	0.250	ug/L			09/02/25 17:33	1
Bromomethane	ND	*+	1.00	0.980	ug/L			09/02/25 17:33	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			09/02/25 17:33	1
Carbon disulfide	ND		1.00	0.500	ug/L			09/02/25 17:33	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			09/02/25 17:33	1
Chlorobenzene	ND		1.00	0.420	ug/L			09/02/25 17:33	1
Chlorobromomethane	ND		1.00	0.520	ug/L			09/02/25 17:33	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			09/02/25 17:33	1
Chloroethane	ND		1.00	0.760	ug/L			09/02/25 17:33	1
Chloroform	ND		1.00	0.900	ug/L			09/02/25 17:33	1
Chloromethane	ND		1.00	0.400	ug/L			09/02/25 17:33	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			09/02/25 17:33	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			09/02/25 17:33	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			09/02/25 17:33	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			09/02/25 17:33	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			09/02/25 17:33	1
Dibromomethane	ND		5.00	0.220	ug/L			09/02/25 17:33	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			09/02/25 17:33	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			09/02/25 17:33	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			09/02/25 17:33	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			09/02/25 17:33	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			09/02/25 17:33	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			09/02/25 17:33	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			09/02/25 17:33	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			09/02/25 17:33	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			09/02/25 17:33	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			09/02/25 17:33	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			09/02/25 17:33	1
Ethyl acetate	ND		10.0	6.14	ug/L			09/02/25 17:33	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/02/25 17:33	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			09/02/25 17:33	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			09/02/25 17:33	1
Hexane	ND		1.00	0.960	ug/L			09/02/25 17:33	1
2-Hexanone	ND		25.0	4.26	ug/L			09/02/25 17:33	1
Iodomethane	ND	*-	1.00	0.900	ug/L			09/02/25 17:33	1
Isopropylbenzene	ND		1.00	0.530	ug/L			09/02/25 17:33	1
Isopropyl ether	ND		1.00	0.740	ug/L			09/02/25 17:33	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			09/02/25 17:33	1
Methylene Chloride	ND		5.00	3.00	ug/L			09/02/25 17:33	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			09/02/25 17:33	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			09/02/25 17:33	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			09/02/25 17:33	1
Naphthalene	ND		5.00	3.00	ug/L			09/02/25 17:33	1
n-Butylbenzene	ND		1.00	0.760	ug/L			09/02/25 17:33	1
n-Heptane	ND		1.00	0.210	ug/L			09/02/25 17:33	1
N-Propylbenzene	ND		1.00	0.690	ug/L			09/02/25 17:33	1

Client Sample ID: A-MW-1
Date Collected: 08/25/25 16:35
Date Received: 08/26/25 09:15

Lab Sample ID: 752-36183-1
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			09/02/25 17:33	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			09/02/25 17:33	1
Styrene	ND		1.00	1.00	ug/L			09/02/25 17:33	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			09/02/25 17:33	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			09/02/25 17:33	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			09/02/25 17:33	1
Tetrachloroethene	ND		1.00	0.330	ug/L			09/02/25 17:33	1
Toluene	ND		1.00	0.900	ug/L			09/02/25 17:33	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			09/02/25 17:33	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			09/02/25 17:33	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			09/02/25 17:33	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			09/02/25 17:33	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			09/02/25 17:33	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			09/02/25 17:33	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			09/02/25 17:33	1
Trichloroethene	ND		1.00	0.150	ug/L			09/02/25 17:33	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			09/02/25 17:33	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			09/02/25 17:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			09/02/25 17:33	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			09/02/25 17:33	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			09/02/25 17:33	1
Vinyl acetate	ND		25.0	0.930	ug/L			09/02/25 17:33	1
Vinyl chloride	ND		1.00	0.500	ug/L			09/02/25 17:33	1
Xylenes, Total	ND		10.0	6.00	ug/L			09/02/25 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*56 - 136*		*09/02/25 17:33*	*1*
Dibromofluoromethane	*105*		*79 - 130*		*09/02/25 17:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*59 - 146*		*09/02/25 17:33*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*09/02/25 17:33*	*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		0.295	0.295	ug/L		08/28/25 07:00	08/29/25 17:59	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*22*		*10 - 140*	*08/28/25 07:00*	*08/29/25 17:59*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		10.2	0.430	ug/L		08/28/25 07:00	08/28/25 23:29	1
2,4,5-Trichlorophenol	ND		10.2	0.553	ug/L		08/28/25 07:00	08/28/25 23:29	1
2,4,6-Trichlorophenol	ND		10.2	1.12	ug/L		08/28/25 07:00	08/28/25 23:29	1
2,4-Dichlorophenol	ND		10.2	0.584	ug/L		08/28/25 07:00	08/28/25 23:29	1
2,4-Dimethylphenol	ND		10.2	0.246	ug/L		08/28/25 07:00	08/28/25 23:29	1
2,4-Dinitrophenol	ND		30.7	4.79	ug/L		08/28/25 07:00	08/28/25 23:29	1
2,4-Dinitrotoluene	ND		10.2	0.666	ug/L		08/28/25 07:00	08/28/25 23:29	1
2,6-Dinitrotoluene	ND		10.2	0.297	ug/L		08/28/25 07:00	08/28/25 23:29	1
2-Chloronaphthalene	ND		10.2	0.389	ug/L		08/28/25 07:00	08/28/25 23:29	1
2-Chlorophenol	ND		10.2	0.860	ug/L		08/28/25 07:00	08/28/25 23:29	1
2-Methylnaphthalene	ND		10.2	0.829	ug/L		08/28/25 07:00	08/28/25 23:29	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 752-36183-1

Client Sample ID: A-MW-1
Date Collected: 08/25/25 16:35
Date Received: 08/26/25 09:15

Lab Sample ID: 752-36183-1
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		10.2	0.778	ug/L		08/28/25 07:00	08/28/25 23:29	1
2-Nitroaniline	ND		10.2	1.40	ug/L		08/28/25 07:00	08/28/25 23:29	1
2-Nitrophenol	ND		10.2	1.20	ug/L		08/28/25 07:00	08/28/25 23:29	1
3 & 4 Methylphenol	ND		20.5	4.71	ug/L		08/28/25 07:00	08/28/25 23:29	1
3,3'-Dichlorobenzidine	ND		11.3	0.420	ug/L		08/28/25 07:00	08/28/25 23:29	1
3-Nitroaniline	ND		10.2	0.973	ug/L		08/28/25 07:00	08/28/25 23:29	1
4,6-Dinitro-2-methylphenol	ND		10.2	2.02	ug/L		08/28/25 07:00	08/28/25 23:29	1
4-Bromophenyl phenyl ether	ND		10.2	0.133	ug/L		08/28/25 07:00	08/28/25 23:29	1
4-Chloro-3-methylphenol	ND		10.2	0.747	ug/L		08/28/25 07:00	08/28/25 23:29	1
4-Chloroaniline	ND		10.2	0.594	ug/L		08/28/25 07:00	08/28/25 23:29	1
4-Chlorophenyl phenyl ether	ND		10.2	0.246	ug/L		08/28/25 07:00	08/28/25 23:29	1
4-Nitroaniline	ND		10.2	3.58	ug/L		08/28/25 07:00	08/28/25 23:29	1
4-Nitrophenol	ND		10.2	2.81	ug/L		08/28/25 07:00	08/28/25 23:29	1
Acenaphthene	ND		10.2	0.645	ug/L		08/28/25 07:00	08/28/25 23:29	1
Acenaphthylene	ND		10.2	0.778	ug/L		08/28/25 07:00	08/28/25 23:29	1
Acetophenone	ND		10.2	3.28	ug/L		08/28/25 07:00	08/28/25 23:29	1
Anthracene	ND		10.2	0.932	ug/L		08/28/25 07:00	08/28/25 23:29	1
Atrazine	ND		10.2	1.16	ug/L		08/28/25 07:00	08/28/25 23:29	1
Benzaldehyde	ND		10.2	0.686	ug/L		08/28/25 07:00	08/28/25 23:29	1
Benzo[a]anthracene	ND		10.2	1.02	ug/L		08/28/25 07:00	08/28/25 23:29	1
Benzo[a]pyrene	ND		10.2	1.13	ug/L		08/28/25 07:00	08/28/25 23:29	1
Benzo[b]fluoranthene	ND		10.2	1.23	ug/L		08/28/25 07:00	08/28/25 23:29	1
Benzo[g,h,i]perylene	ND		10.2	1.54	ug/L		08/28/25 07:00	08/28/25 23:29	1
Benzo[k]fluoranthene	ND		10.2	1.54	ug/L		08/28/25 07:00	08/28/25 23:29	1
bis (2-chloroisopropyl) ether	ND		10.2	0.952	ug/L		08/28/25 07:00	08/28/25 23:29	1
Bis(2-chloroethoxy)methane	ND		10.2	0.348	ug/L		08/28/25 07:00	08/28/25 23:29	1
Bis(2-chloroethyl)ether	ND		10.2	0.747	ug/L		08/28/25 07:00	08/28/25 23:29	1
Bis(2-ethylhexyl) phthalate	ND		10.2	4.10	ug/L		08/28/25 07:00	08/28/25 23:29	1
Butyl benzyl phthalate	ND		10.2	4.10	ug/L		08/28/25 07:00	08/28/25 23:29	1
Caprolactam	ND		10.2	2.46	ug/L		08/28/25 07:00	08/28/25 23:29	1
Carbazole	ND		10.2	0.328	ug/L		08/28/25 07:00	08/28/25 23:29	1
Chrysene	ND		10.2	1.23	ug/L		08/28/25 07:00	08/28/25 23:29	1
Dibenz(a,h)anthracene	ND		10.2	1.33	ug/L		08/28/25 07:00	08/28/25 23:29	1
Dibenzofuran	ND		10.2	0.655	ug/L		08/28/25 07:00	08/28/25 23:29	1
Diethyl phthalate	ND		10.2	4.10	ug/L		08/28/25 07:00	08/28/25 23:29	1
Dimethyl phthalate	ND		10.2	4.10	ug/L		08/28/25 07:00	08/28/25 23:29	1
Di-n-butyl phthalate	ND		10.2	8.39	ug/L		08/28/25 07:00	08/28/25 23:29	1
Di-n-octyl phthalate	ND		10.2	4.10	ug/L		08/28/25 07:00	08/28/25 23:29	1
Fluoranthene	ND		10.2	0.645	ug/L		08/28/25 07:00	08/28/25 23:29	1
Fluorene	ND		10.2	0.686	ug/L		08/28/25 07:00	08/28/25 23:29	1
Hexachlorobenzene	ND		10.2	0.256	ug/L		08/28/25 07:00	08/28/25 23:29	1
Hexachlorobutadiene	ND		10.2	0.563	ug/L		08/28/25 07:00	08/28/25 23:29	1
Hexachlorocyclopentadiene	ND		20.5	0.328	ug/L		08/28/25 07:00	08/28/25 23:29	1
Hexachloroethane	ND		10.2	0.543	ug/L		08/28/25 07:00	08/28/25 23:29	1
Indeno[1,2,3-cd]pyrene	ND		10.2	1.13	ug/L		08/28/25 07:00	08/28/25 23:29	1
Isophorone	ND		10.2	0.819	ug/L		08/28/25 07:00	08/28/25 23:29	1
Naphthalene	ND		10.2	0.768	ug/L		08/28/25 07:00	08/28/25 23:29	1
Nitrobenzene	ND		10.2	0.614	ug/L		08/28/25 07:00	08/28/25 23:29	1
N-Nitrosodi-n-propylamine	ND		10.2	0.338	ug/L		08/28/25 07:00	08/28/25 23:29	1

Client Sample ID: A-MW-1

Lab Sample ID: 752-36183-1

Date Collected: 08/25/25 16:35

Matrix: Water

Date Received: 08/26/25 09:15

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	0.195	ug/L		08/28/25 07:00	08/28/25 23:29	1
Pentachlorophenol	ND		10.2	2.87	ug/L		08/28/25 07:00	08/28/25 23:29	1
Phenanthrene	ND		10.2	0.758	ug/L		08/28/25 07:00	08/28/25 23:29	1
Phenol	ND		10.2	0.696	ug/L		08/28/25 07:00	08/28/25 23:29	1
Pyrene	ND		10.2	0.645	ug/L		08/28/25 07:00	08/28/25 23:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*82*		*10 - 150*	*08/28/25 07:00*	*08/28/25 23:29*	*1*
2-Fluorobiphenyl (Surr)	*65*		*25 - 139*	*08/28/25 07:00*	*08/28/25 23:29*	*1*
2-Fluorophenol (Surr)	*86*		*10 - 150*	*08/28/25 07:00*	*08/28/25 23:29*	*1*
Nitrobenzene-d5 (Surr)	*74*		*22 - 150*	*08/28/25 07:00*	*08/28/25 23:29*	*1*
Phenol-d5 (Surr)	*81*		*10 - 150*	*08/28/25 07:00*	*08/28/25 23:29*	*1*
Terphenyl-d14 (Surr)	*51*		*28 - 150*	*08/28/25 07:00*	*08/28/25 23:29*	*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		08/29/25 09:29	09/02/25 18:22	1
Arsenic	ND		5.00	1.32	ug/L		08/29/25 09:29	09/02/25 18:22	1
Barium	**191**		10.0	0.410	ug/L		08/29/25 09:29	09/02/25 18:22	1
Beryllium	ND		1.00	0.147	ug/L		08/29/25 09:29	09/02/25 18:22	1
Cadmium	ND		0.700	0.237	ug/L		08/29/25 09:29	09/02/25 18:22	1
Chromium	**4.18**	**J**	5.00	3.69	ug/L		08/29/25 09:29	09/02/25 18:22	1
Cobalt	**0.919**	**J**	5.00	0.411	ug/L		08/29/25 09:29	09/02/25 18:22	1
Copper	**1.04**	**J**	2.00	0.642	ug/L		08/29/25 09:29	09/02/25 18:22	1
Lead	ND		1.00	0.864	ug/L		08/29/25 09:29	09/02/25 18:22	1
Manganese	**688**		5.00	1.29	ug/L		08/29/25 09:29	09/02/25 18:22	1
Nickel	**9.23**		5.00	0.422	ug/L		08/29/25 09:29	09/02/25 18:22	1
Selenium	ND		5.00	2.29	ug/L		08/29/25 09:29	09/02/25 18:22	1
Silver	ND		1.00	0.167	ug/L		08/29/25 09:29	09/02/25 18:22	1
Thallium	ND		1.00	0.190	ug/L		08/29/25 09:29	09/02/25 18:22	1
Vanadium	**2.25**	**J**	5.00	1.22	ug/L		08/29/25 09:29	09/02/25 18:22	1
Zinc	ND		10.0	8.91	ug/L		08/29/25 09:29	09/02/25 18:22	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		09/05/25 15:04	09/05/25 23:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (EPA 350.1)	ND		0.0500	0.0200	mg/L			08/27/25 10:13	1
Nitrate as N (SM Nitrate by calc)	**0.181**		0.100	0.0250	mg/L			08/28/25 11:50	1
Sulfate (SM 4500 SO4 E)	**13.9**		5.00	1.40	mg/L			09/05/25 12:38	1

Client Sample ID: A-MW-2

Lab Sample ID: 752-36183-2

Date Collected: 08/25/25 17:30

Matrix: Water

Date Received: 08/26/25 09:15

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			09/02/25 18:00	1
Benzene	ND		1.00	0.500	ug/L			09/02/25 18:00	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 752-36183-1

Client Sample ID: A-MW-2
Date Collected: 08/25/25 17:30
Date Received: 08/26/25 09:15

Lab Sample ID: 752-36183-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		1.00	0.540	ug/L			09/02/25 18:00	1
Bromoform	ND		5.00	0.250	ug/L			09/02/25 18:00	1
Bromomethane	ND	*+	1.00	0.980	ug/L			09/02/25 18:00	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			09/02/25 18:00	1
Carbon disulfide	ND		1.00	0.500	ug/L			09/02/25 18:00	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			09/02/25 18:00	1
Chlorobenzene	ND		1.00	0.420	ug/L			09/02/25 18:00	1
Chlorobromomethane	ND		1.00	0.520	ug/L			09/02/25 18:00	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			09/02/25 18:00	1
Chloroethane	ND		1.00	0.760	ug/L			09/02/25 18:00	1
Chloroform	ND		1.00	0.900	ug/L			09/02/25 18:00	1
Chloromethane	ND		1.00	0.400	ug/L			09/02/25 18:00	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			09/02/25 18:00	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			09/02/25 18:00	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			09/02/25 18:00	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			09/02/25 18:00	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			09/02/25 18:00	1
Dibromomethane	ND		5.00	0.220	ug/L			09/02/25 18:00	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			09/02/25 18:00	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			09/02/25 18:00	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			09/02/25 18:00	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			09/02/25 18:00	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			09/02/25 18:00	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			09/02/25 18:00	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			09/02/25 18:00	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			09/02/25 18:00	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			09/02/25 18:00	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			09/02/25 18:00	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			09/02/25 18:00	1
Ethyl acetate	ND		10.0	6.14	ug/L			09/02/25 18:00	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/02/25 18:00	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			09/02/25 18:00	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			09/02/25 18:00	1
Hexane	ND		1.00	0.960	ug/L			09/02/25 18:00	1
2-Hexanone	ND		25.0	4.26	ug/L			09/02/25 18:00	1
Iodomethane	ND	*-	1.00	0.900	ug/L			09/02/25 18:00	1
Isopropylbenzene	ND		1.00	0.530	ug/L			09/02/25 18:00	1
Isopropyl ether	ND		1.00	0.740	ug/L			09/02/25 18:00	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			09/02/25 18:00	1
Methylene Chloride	ND		5.00	3.00	ug/L			09/02/25 18:00	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			09/02/25 18:00	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			09/02/25 18:00	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			09/02/25 18:00	1
Naphthalene	ND		5.00	3.00	ug/L			09/02/25 18:00	1
n-Butylbenzene	ND		1.00	0.760	ug/L			09/02/25 18:00	1
n-Heptane	ND		1.00	0.210	ug/L			09/02/25 18:00	1
N-Propylbenzene	ND		1.00	0.690	ug/L			09/02/25 18:00	1
o-Xylene	ND		5.00	3.00	ug/L			09/02/25 18:00	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			09/02/25 18:00	1

Client Sample ID: A-MW-2
Date Collected: 08/25/25 17:30
Date Received: 08/26/25 09:15

Lab Sample ID: 752-36183-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.00	1.00	ug/L			09/02/25 18:00	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			09/02/25 18:00	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			09/02/25 18:00	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			09/02/25 18:00	1
Tetrachloroethene	ND		1.00	0.330	ug/L			09/02/25 18:00	1
Toluene	ND		1.00	0.900	ug/L			09/02/25 18:00	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			09/02/25 18:00	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			09/02/25 18:00	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			09/02/25 18:00	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			09/02/25 18:00	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			09/02/25 18:00	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			09/02/25 18:00	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			09/02/25 18:00	1
Trichloroethene	ND		1.00	0.150	ug/L			09/02/25 18:00	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			09/02/25 18:00	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			09/02/25 18:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			09/02/25 18:00	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			09/02/25 18:00	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			09/02/25 18:00	1
Vinyl acetate	ND		25.0	0.930	ug/L			09/02/25 18:00	1
Vinyl chloride	ND		1.00	0.500	ug/L			09/02/25 18:00	1
Xylenes, Total	ND		10.0	6.00	ug/L			09/02/25 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*56 - 136*		*09/02/25 18:00*	*1*
Dibromofluoromethane	*106*		*79 - 130*		*09/02/25 18:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*59 - 146*		*09/02/25 18:00*	*1*
Toluene-d8 (Surr)	*100*		*64 - 132*		*09/02/25 18:00*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.296	0.296	ug/L		08/28/25 07:00	08/29/25 18:21	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*19*		*10 - 140*	*08/28/25 07:00*	*08/29/25 18:21*	*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		9.93	0.417	ug/L		08/28/25 07:00	08/29/25 00:03	1
2,4,5-Trichlorophenol	ND		9.93	0.536	ug/L		08/28/25 07:00	08/29/25 00:03	1
2,4,6-Trichlorophenol	ND		9.93	1.08	ug/L		08/28/25 07:00	08/29/25 00:03	1
2,4-Dichlorophenol	ND		9.93	0.566	ug/L		08/28/25 07:00	08/29/25 00:03	1
2,4-Dimethylphenol	ND		9.93	0.238	ug/L		08/28/25 07:00	08/29/25 00:03	1
2,4-Dinitrophenol	ND		29.8	4.65	ug/L		08/28/25 07:00	08/29/25 00:03	1
2,4-Dinitrotoluene	ND		9.93	0.646	ug/L		08/28/25 07:00	08/29/25 00:03	1
2,6-Dinitrotoluene	ND		9.93	0.288	ug/L		08/28/25 07:00	08/29/25 00:03	1
2-Chloronaphthalene	ND		9.93	0.377	ug/L		08/28/25 07:00	08/29/25 00:03	1
2-Chlorophenol	ND		9.93	0.834	ug/L		08/28/25 07:00	08/29/25 00:03	1
2-Methylnaphthalene	ND		9.93	0.805	ug/L		08/28/25 07:00	08/29/25 00:03	1
2-Methylphenol	ND		9.93	0.755	ug/L		08/28/25 07:00	08/29/25 00:03	1
2-Nitroaniline	ND		9.93	1.36	ug/L		08/28/25 07:00	08/29/25 00:03	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 752-36183-1

Client Sample ID: A-MW-2
Date Collected: 08/25/25 17:30
Date Received: 08/26/25 09:15

Lab Sample ID: 752-36183-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	ND		9.93	1.16	ug/L		08/28/25 07:00	08/29/25 00:03	1
3 & 4 Methylphenol	ND		19.9	4.57	ug/L		08/28/25 07:00	08/29/25 00:03	1
3,3'-Dichlorobenzidine	ND		10.9	0.407	ug/L		08/28/25 07:00	08/29/25 00:03	1
3-Nitroaniline	ND		9.93	0.944	ug/L		08/28/25 07:00	08/29/25 00:03	1
4,6-Dinitro-2-methylphenol	ND		9.93	1.96	ug/L		08/28/25 07:00	08/29/25 00:03	1
4-Bromophenyl phenyl ether	ND		9.93	0.129	ug/L		08/28/25 07:00	08/29/25 00:03	1
4-Chloro-3-methylphenol	ND		9.93	0.725	ug/L		08/28/25 07:00	08/29/25 00:03	1
4-Chloroaniline	ND		9.93	0.576	ug/L		08/28/25 07:00	08/29/25 00:03	1
4-Chlorophenyl phenyl ether	ND		9.93	0.238	ug/L		08/28/25 07:00	08/29/25 00:03	1
4-Nitroaniline	ND		9.93	3.48	ug/L		08/28/25 07:00	08/29/25 00:03	1
4-Nitrophenol	ND		9.93	2.72	ug/L		08/28/25 07:00	08/29/25 00:03	1
Acenaphthene	ND		9.93	0.626	ug/L		08/28/25 07:00	08/29/25 00:03	1
Acenaphthylene	ND		9.93	0.755	ug/L		08/28/25 07:00	08/29/25 00:03	1
Acetophenone	ND		9.93	3.18	ug/L		08/28/25 07:00	08/29/25 00:03	1
Anthracene	ND		9.93	0.904	ug/L		08/28/25 07:00	08/29/25 00:03	1
Atrazine	ND		9.93	1.12	ug/L		08/28/25 07:00	08/29/25 00:03	1
Benzaldehyde	ND		9.93	0.666	ug/L		08/28/25 07:00	08/29/25 00:03	1
Benzo[a]anthracene	ND		9.93	0.993	ug/L		08/28/25 07:00	08/29/25 00:03	1
Benzo[a]pyrene	ND		9.93	1.09	ug/L		08/28/25 07:00	08/29/25 00:03	1
Benzo[b]fluoranthene	ND		9.93	1.19	ug/L		08/28/25 07:00	08/29/25 00:03	1
Benzo[g,h,i]perylene	ND		9.93	1.49	ug/L		08/28/25 07:00	08/29/25 00:03	1
Benzo[k]fluoranthene	ND		9.93	1.49	ug/L		08/28/25 07:00	08/29/25 00:03	1
bis (2-chloroisopropyl) ether	ND		9.93	0.924	ug/L		08/28/25 07:00	08/29/25 00:03	1
Bis(2-chloroethoxy)methane	ND		9.93	0.338	ug/L		08/28/25 07:00	08/29/25 00:03	1
Bis(2-chloroethyl)ether	ND		9.93	0.725	ug/L		08/28/25 07:00	08/29/25 00:03	1
Bis(2-ethylhexyl) phthalate	ND		9.93	3.97	ug/L		08/28/25 07:00	08/29/25 00:03	1
Butyl benzyl phthalate	ND		9.93	3.97	ug/L		08/28/25 07:00	08/29/25 00:03	1
Caprolactam	ND		9.93	2.38	ug/L		08/28/25 07:00	08/29/25 00:03	1
Carbazole	ND		9.93	0.318	ug/L		08/28/25 07:00	08/29/25 00:03	1
Chrysene	ND		9.93	1.19	ug/L		08/28/25 07:00	08/29/25 00:03	1
Dibenz(a,h)anthracene	ND		9.93	1.29	ug/L		08/28/25 07:00	08/29/25 00:03	1
Dibenzofuran	ND		9.93	0.636	ug/L		08/28/25 07:00	08/29/25 00:03	1
Diethyl phthalate	ND		9.93	3.97	ug/L		08/28/25 07:00	08/29/25 00:03	1
Dimethyl phthalate	ND		9.93	3.97	ug/L		08/28/25 07:00	08/29/25 00:03	1
Di-n-butyl phthalate	ND		9.93	8.14	ug/L		08/28/25 07:00	08/29/25 00:03	1
Di-n-octyl phthalate	ND		9.93	3.97	ug/L		08/28/25 07:00	08/29/25 00:03	1
Fluoranthene	ND		9.93	0.626	ug/L		08/28/25 07:00	08/29/25 00:03	1
Fluorene	ND		9.93	0.666	ug/L		08/28/25 07:00	08/29/25 00:03	1
Hexachlorobenzene	ND		9.93	0.248	ug/L		08/28/25 07:00	08/29/25 00:03	1
Hexachlorobutadiene	ND		9.93	0.546	ug/L		08/28/25 07:00	08/29/25 00:03	1
Hexachlorocyclopentadiene	ND		19.9	0.318	ug/L		08/28/25 07:00	08/29/25 00:03	1
Hexachloroethane	ND		9.93	0.526	ug/L		08/28/25 07:00	08/29/25 00:03	1
Indeno[1,2,3-cd]pyrene	ND		9.93	1.09	ug/L		08/28/25 07:00	08/29/25 00:03	1
Isophorone	ND		9.93	0.795	ug/L		08/28/25 07:00	08/29/25 00:03	1
Naphthalene	ND		9.93	0.745	ug/L		08/28/25 07:00	08/29/25 00:03	1
Nitrobenzene	ND		9.93	0.596	ug/L		08/28/25 07:00	08/29/25 00:03	1
N-Nitrosodi-n-propylamine	ND		9.93	0.328	ug/L		08/28/25 07:00	08/29/25 00:03	1
N-Nitrosodiphenylamine	ND		9.93	0.189	ug/L		08/28/25 07:00	08/29/25 00:03	1
Pentachlorophenol	ND		9.93	2.78	ug/L		08/28/25 07:00	08/29/25 00:03	1

Client Sample ID: A-MW-2
Date Collected: 08/25/25 17:30
Date Received: 08/26/25 09:15

Lab Sample ID: 752-36183-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		9.93	0.735	ug/L		08/28/25 07:00	08/29/25 00:03	1
Phenol	ND		9.93	0.675	ug/L		08/28/25 07:00	08/29/25 00:03	1
Pyrene	ND		9.93	0.626	ug/L		08/28/25 07:00	08/29/25 00:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*84*		*10 - 150*	*08/28/25 07:00*	*08/29/25 00:03*	*1*
2-Fluorobiphenyl (Surr)	*67*		*25 - 139*	*08/28/25 07:00*	*08/29/25 00:03*	*1*
2-Fluorophenol (Surr)	*86*		*10 - 150*	*08/28/25 07:00*	*08/29/25 00:03*	*1*
Nitrobenzene-d5 (Surr)	*77*		*22 - 150*	*08/28/25 07:00*	*08/29/25 00:03*	*1*
Phenol-d5 (Surr)	*79*		*10 - 150*	*08/28/25 07:00*	*08/29/25 00:03*	*1*
Terphenyl-d14 (Surr)	*44*		*28 - 150*	*08/28/25 07:00*	*08/29/25 00:03*	*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		08/29/25 09:29	09/02/25 18:25	1
Arsenic	**7.47**		5.00	1.32	ug/L		08/29/25 09:29	09/02/25 18:25	1
Barium	**549**		10.0	0.410	ug/L		08/29/25 09:29	09/02/25 18:25	1
Beryllium	ND		1.00	0.147	ug/L		08/29/25 09:29	09/02/25 18:25	1
Cadmium	ND		0.700	0.237	ug/L		08/29/25 09:29	09/02/25 18:25	1
Chromium	ND		5.00	3.69	ug/L		08/29/25 09:29	09/02/25 18:25	1
Cobalt	**1.46**	**J**	5.00	0.411	ug/L		08/29/25 09:29	09/02/25 18:25	1
Copper	ND		2.00	0.642	ug/L		08/29/25 09:29	09/02/25 18:25	1
Lead	ND		1.00	0.864	ug/L		08/29/25 09:29	09/02/25 18:25	1
Manganese	**1280**		5.00	1.29	ug/L		08/29/25 09:29	09/02/25 18:25	1
Nickel	**2.16**	**J**	5.00	0.422	ug/L		08/29/25 09:29	09/02/25 18:25	1
Selenium	ND		5.00	2.29	ug/L		08/29/25 09:29	09/02/25 18:25	1
Silver	ND		1.00	0.167	ug/L		08/29/25 09:29	09/02/25 18:25	1
Thallium	ND		1.00	0.190	ug/L		08/29/25 09:29	09/02/25 18:25	1
Vanadium	ND		5.00	1.22	ug/L		08/29/25 09:29	09/02/25 18:25	1
Zinc	ND		10.0	8.91	ug/L		08/29/25 09:29	09/02/25 18:25	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		09/05/25 15:04	09/05/25 23:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (EPA 350.1)	**0.249**		0.0500	0.0200	mg/L			08/27/25 10:14	1
Nitrate as N (SM Nitrate by calc)	**0.0431**	**J**	0.100	0.0250	mg/L			08/28/25 11:50	1
Sulfate (SM 4500 SO4 E)	**18.1**		5.00	1.40	mg/L			09/05/25 12:39	1

Surrogate Summary

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 752-36183-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(56-136)	(79-130)	(59-146)	(64-132)
752-36183-1	A-MW-1	98	105	96	102
752-36183-2	A-MW-2	97	106	97	100
LCS 400-721585/1002	Lab Control Sample	99	108	105	100
MB 400-721585/5	Method Blank	101	106	103	100

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)
752-36183-1	A-MW-1	82	65	86	74	81	51
752-36183-2	A-MW-2	84	67	86	77	79	44
LCS 400-721289/2-A	Lab Control Sample	95	70	98	81	103	78
LCSD 400-721289/3-A	Lab Control Sample Dup	90	67	98	79	109	72
MB 400-721289/1-A	Method Blank	84	70	97	78	95	66

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
Project/Site: Lyon Park

Job ID: 752-36183-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)						
		DXE						
Lab Sample ID	**Client Sample ID**	**(10-140)**						
752-36183-1	A-MW-1	22						
752-36183-2	A-MW-2	19						
LCS 400-721223/2-A	Lab Control Sample	105						
LCSD 400-721223/3-A	Lab Control Sample Dup	103						
MB 400-721223/1-A	Method Blank	128						

Surrogate Legend

DXE = 1,4-Dioxane-d8

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

Lab Sample ID: MB 400-721585/5
Matrix: Water
Analysis Batch: 721585

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			09/02/25 11:18	1
Benzene	ND		1.00	0.500	ug/L			09/02/25 11:18	1
Bromobenzene	ND		1.00	0.540	ug/L			09/02/25 11:18	1
Bromoform	ND		5.00	0.250	ug/L			09/02/25 11:18	1
Bromomethane	ND		1.00	0.980	ug/L			09/02/25 11:18	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			09/02/25 11:18	1
Carbon disulfide	ND		1.00	0.500	ug/L			09/02/25 11:18	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			09/02/25 11:18	1
Chlorobenzene	ND		1.00	0.420	ug/L			09/02/25 11:18	1
Chlorobromomethane	ND		1.00	0.520	ug/L			09/02/25 11:18	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			09/02/25 11:18	1
Chloroethane	ND		1.00	0.760	ug/L			09/02/25 11:18	1
Chloroform	ND		1.00	0.900	ug/L			09/02/25 11:18	1
Chloromethane	ND		1.00	0.400	ug/L			09/02/25 11:18	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			09/02/25 11:18	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			09/02/25 11:18	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			09/02/25 11:18	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			09/02/25 11:18	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			09/02/25 11:18	1
Dibromomethane	ND		5.00	0.220	ug/L			09/02/25 11:18	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			09/02/25 11:18	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			09/02/25 11:18	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			09/02/25 11:18	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			09/02/25 11:18	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			09/02/25 11:18	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			09/02/25 11:18	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			09/02/25 11:18	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			09/02/25 11:18	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			09/02/25 11:18	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			09/02/25 11:18	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			09/02/25 11:18	1
Ethyl acetate	ND		10.0	6.14	ug/L			09/02/25 11:18	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/02/25 11:18	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			09/02/25 11:18	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			09/02/25 11:18	1
Hexane	ND		1.00	0.960	ug/L			09/02/25 11:18	1
2-Hexanone	ND		25.0	4.26	ug/L			09/02/25 11:18	1
Iodomethane	ND		1.00	0.900	ug/L			09/02/25 11:18	1
Isopropylbenzene	ND		1.00	0.530	ug/L			09/02/25 11:18	1
Isopropyl ether	ND		1.00	0.740	ug/L			09/02/25 11:18	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			09/02/25 11:18	1
Methylene Chloride	ND		5.00	3.00	ug/L			09/02/25 11:18	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			09/02/25 11:18	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			09/02/25 11:18	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			09/02/25 11:18	1
Naphthalene	ND		5.00	3.00	ug/L			09/02/25 11:18	1
n-Butylbenzene	ND		1.00	0.760	ug/L			09/02/25 11:18	1
n-Heptane	ND		1.00	0.210	ug/L			09/02/25 11:18	1

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

Lab Sample ID: MB 400-721585/5
Matrix: Water
Analysis Batch: 721585

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			09/02/25 11:18	1
o-Xylene	ND		5.00	3.00	ug/L			09/02/25 11:18	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			09/02/25 11:18	1
Styrene	ND		1.00	1.00	ug/L			09/02/25 11:18	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			09/02/25 11:18	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			09/02/25 11:18	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			09/02/25 11:18	1
Tetrachloroethene	ND		1.00	0.330	ug/L			09/02/25 11:18	1
Toluene	ND		1.00	0.900	ug/L			09/02/25 11:18	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			09/02/25 11:18	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			09/02/25 11:18	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			09/02/25 11:18	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			09/02/25 11:18	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			09/02/25 11:18	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			09/02/25 11:18	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			09/02/25 11:18	1
Trichloroethene	ND		1.00	0.150	ug/L			09/02/25 11:18	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			09/02/25 11:18	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			09/02/25 11:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			09/02/25 11:18	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			09/02/25 11:18	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			09/02/25 11:18	1
Vinyl acetate	ND		25.0	0.930	ug/L			09/02/25 11:18	1
Vinyl chloride	ND		1.00	0.500	ug/L			09/02/25 11:18	1
Xylenes, Total	ND		10.0	6.00	ug/L			09/02/25 11:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*56 - 136*		*09/02/25 11:18*	*1*
Dibromofluoromethane	*106*		*79 - 130*		*09/02/25 11:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*59 - 146*		*09/02/25 11:18*	*1*
Toluene-d8 (Surr)	*100*		*64 - 132*		*09/02/25 11:18*	*1*

Lab Sample ID: LCS 400-721585/1002
Matrix: Water
Analysis Batch: 721585

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	289.9		ug/L		145	43 - 150
Benzene	50.0	51.57		ug/L		103	70 - 130
Bromobenzene	50.0	52.87		ug/L		106	70 - 132
Bromoform	50.0	49.70		ug/L		99	57 - 140
Bromomethane	50.0	105.3	*+	ug/L		211	10 - 150
2-Butanone (MEK)	200	215.4		ug/L		108	61 - 145
Carbon disulfide	50.0	53.30		ug/L		107	61 - 137
Carbon tetrachloride	50.0	54.65		ug/L		109	61 - 137
Chlorobenzene	50.0	54.18		ug/L		108	70 - 130
Chlorobromomethane	50.0	55.05		ug/L		110	70 - 130
Chlorodibromomethane	50.0	53.38		ug/L		107	67 - 135

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

Lab Sample ID: LCS 400-721585/1002
Matrix: Water
Analysis Batch: 721585

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	43.71		ug/L		87	55 - 141
Chloroform	50.0	54.64		ug/L		109	69 - 130
Chloromethane	50.0	36.19		ug/L		72	58 - 137
2-Chlorotoluene	50.0	56.90		ug/L		114	70 - 130
4-Chlorotoluene	50.0	57.50		ug/L		115	70 - 130
cis-1,2-Dichloroethene	50.0	49.95		ug/L		100	68 - 130
cis-1,3-Dichloropropene	50.0	51.29		ug/L		103	69 - 132
1,2-Dibromo-3-Chloropropane	50.0	48.58		ug/L		97	54 - 135
Dibromomethane	50.0	55.14		ug/L		110	70 - 130
1,2-Dichlorobenzene	50.0	55.86		ug/L		112	67 - 130
1,3-Dichlorobenzene	50.0	56.02		ug/L		112	70 - 130
1,4-Dichlorobenzene	50.0	56.24		ug/L		112	70 - 130
Dichlorobromomethane	50.0	54.16		ug/L		108	67 - 133
1,1-Dichloroethane	50.0	48.99		ug/L		98	70 - 130
1,2-Dichloroethane	50.0	53.86		ug/L		108	69 - 130
1,1-Dichloroethene	50.0	52.28		ug/L		105	63 - 134
1,2-Dichloropropane	50.0	49.51		ug/L		99	70 - 130
1,3-Dichloropropane	50.0	50.83		ug/L		102	70 - 130
2,2-Dichloropropane	50.0	52.26		ug/L		105	52 - 135
1,1-Dichloropropene	50.0	53.83		ug/L		108	70 - 130
Ethyl acetate	100	99.36		ug/L		99	34 - 150
Ethylbenzene	50.0	56.35		ug/L		113	70 - 130
Ethylene Dibromide	50.0	52.08		ug/L		104	70 - 130
Hexachlorobutadiene	50.0	63.35		ug/L		127	53 - 140
Hexane	50.0	45.16		ug/L		90	69 - 130
2-Hexanone	200	191.4		ug/L		96	65 - 137
Iodomethane	50.0	6.035	*-	ug/L		12	27 - 150
Isopropylbenzene	50.0	57.27		ug/L		115	70 - 130
Isopropyl ether	50.0	44.65		ug/L		89	64 - 132
4-Isopropyltoluene	50.0	60.03		ug/L		120	65 - 130
Methylene Chloride	50.0	49.58		ug/L		99	66 - 135
4-Methyl-2-pentanone (MIBK)	200	195.4		ug/L		98	69 - 138
Methyl tert-butyl ether	50.0	50.32		ug/L		101	66 - 130
m-Xylene & p-Xylene	50.0	55.63		ug/L		111	70 - 130
Naphthalene	50.0	47.47		ug/L		95	47 - 149
n-Butylbenzene	50.0	64.56		ug/L		129	67 - 130
n-Heptane	50.0	47.22		ug/L		94	70 - 130
N-Propylbenzene	50.0	56.99		ug/L		114	70 - 130
o-Xylene	50.0	55.72		ug/L		111	70 - 130
sec-Butylbenzene	50.0	59.59		ug/L		119	66 - 130
Styrene	50.0	53.60		ug/L		107	70 - 130
tert-Butylbenzene	50.0	58.24		ug/L		116	64 - 139
1,1,1,2-Tetrachloroethane	50.0	54.33		ug/L		109	67 - 131
1,1,2,2-Tetrachloroethane	50.0	50.31		ug/L		101	70 - 131
Tetrachloroethene	50.0	51.41		ug/L		103	65 - 130
Toluene	50.0	52.88		ug/L		106	70 - 130
trans-1,4-Dichloro-2-butene	50.0	47.34		ug/L		95	57 - 140
trans-1,2-Dichloroethene	50.0	51.13		ug/L		102	70 - 130
trans-1,3-Dichloropropene	50.0	53.01		ug/L		106	63 - 130

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

Lab Sample ID: LCS 400-721585/1002
Matrix: Water
Analysis Batch: 721585

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	51.19		ug/L		102	60 - 138
1,2,4-Trichlorobenzene	50.0	55.19		ug/L		110	60 - 140
1,1,1-Trichloroethane	50.0	54.16		ug/L		108	68 - 130
1,1,2-Trichloroethane	50.0	50.74		ug/L		101	70 - 130
Trichloroethene	50.0	52.91		ug/L		106	70 - 130
Trichlorofluoromethane	50.0	43.31		ug/L		87	65 - 138
1,2,3-Trichloropropane	50.0	50.50		ug/L		101	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	53.92		ug/L		108	60 - 139
1,2,4-Trimethylbenzene	50.0	57.57		ug/L		115	70 - 130
1,3,5-Trimethylbenzene	50.0	56.81		ug/L		114	69 - 130
Vinyl acetate	100	74.24		ug/L		74	26 - 150
Vinyl chloride	50.0	32.12		ug/L		64	59 - 136
Xylenes, Total	100	111.3		ug/L		111	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*56 - 136*
Dibromofluoromethane	*108*		*79 - 130*
1,2-Dichloroethane-d4 (Surr)	*105*		*59 - 146*
Toluene-d8 (Surr)	*100*		*64 - 132*

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

Lab Sample ID: MB 400-721289/1-A
Matrix: Water
Analysis Batch: 721248

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 721289

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		10.0	0.420	ug/L		08/28/25 07:00	08/28/25 21:48	1
2,4,5-Trichlorophenol	ND		10.0	0.540	ug/L		08/28/25 07:00	08/28/25 21:48	1
2,4,6-Trichlorophenol	ND		10.0	1.09	ug/L		08/28/25 07:00	08/28/25 21:48	1
2,4-Dichlorophenol	ND		10.0	0.570	ug/L		08/28/25 07:00	08/28/25 21:48	1
2,4-Dimethylphenol	ND		10.0	0.240	ug/L		08/28/25 07:00	08/28/25 21:48	1
2,4-Dinitrophenol	ND		30.0	4.68	ug/L		08/28/25 07:00	08/28/25 21:48	1
2,4-Dinitrotoluene	ND		10.0	0.650	ug/L		08/28/25 07:00	08/28/25 21:48	1
2,6-Dinitrotoluene	ND		10.0	0.290	ug/L		08/28/25 07:00	08/28/25 21:48	1
2-Chloronaphthalene	ND		10.0	0.380	ug/L		08/28/25 07:00	08/28/25 21:48	1
2-Chlorophenol	ND		10.0	0.840	ug/L		08/28/25 07:00	08/28/25 21:48	1
2-Methylnaphthalene	ND		10.0	0.810	ug/L		08/28/25 07:00	08/28/25 21:48	1
2-Methylphenol	ND		10.0	0.760	ug/L		08/28/25 07:00	08/28/25 21:48	1
2-Nitroaniline	ND		10.0	1.37	ug/L		08/28/25 07:00	08/28/25 21:48	1
2-Nitrophenol	ND		10.0	1.17	ug/L		08/28/25 07:00	08/28/25 21:48	1
3 & 4 Methylphenol	ND		20.0	4.60	ug/L		08/28/25 07:00	08/28/25 21:48	1
3,3'-Dichlorobenzidine	ND		11.0	0.410	ug/L		08/28/25 07:00	08/28/25 21:48	1
3-Nitroaniline	ND		10.0	0.950	ug/L		08/28/25 07:00	08/28/25 21:48	1
4,6-Dinitro-2-methylphenol	ND		10.0	1.97	ug/L		08/28/25 07:00	08/28/25 21:48	1
4-Bromophenyl phenyl ether	ND		10.0	0.130	ug/L		08/28/25 07:00	08/28/25 21:48	1
4-Chloro-3-methylphenol	ND		10.0	0.730	ug/L		08/28/25 07:00	08/28/25 21:48	1
4-Chloroaniline	ND		10.0	0.580	ug/L		08/28/25 07:00	08/28/25 21:48	1

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

Lab Sample ID: MB 400-721289/1-A
Matrix: Water
Analysis Batch: 721248

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 721289

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		10.0	0.240	ug/L		08/28/25 07:00	08/28/25 21:48	1
4-Nitroaniline	ND		10.0	3.50	ug/L		08/28/25 07:00	08/28/25 21:48	1
4-Nitrophenol	ND		10.0	2.74	ug/L		08/28/25 07:00	08/28/25 21:48	1
Acenaphthene	ND		10.0	0.630	ug/L		08/28/25 07:00	08/28/25 21:48	1
Acenaphthylene	ND		10.0	0.760	ug/L		08/28/25 07:00	08/28/25 21:48	1
Acetophenone	ND		10.0	3.20	ug/L		08/28/25 07:00	08/28/25 21:48	1
Anthracene	ND		10.0	0.910	ug/L		08/28/25 07:00	08/28/25 21:48	1
Atrazine	ND		10.0	1.13	ug/L		08/28/25 07:00	08/28/25 21:48	1
Benzaldehyde	ND		10.0	0.670	ug/L		08/28/25 07:00	08/28/25 21:48	1
Benzo[a]anthracene	ND		10.0	1.00	ug/L		08/28/25 07:00	08/28/25 21:48	1
Benzo[a]pyrene	ND		10.0	1.10	ug/L		08/28/25 07:00	08/28/25 21:48	1
Benzo[b]fluoranthene	ND		10.0	1.20	ug/L		08/28/25 07:00	08/28/25 21:48	1
Benzo[g,h,i]perylene	ND		10.0	1.50	ug/L		08/28/25 07:00	08/28/25 21:48	1
Benzo[k]fluoranthene	ND		10.0	1.50	ug/L		08/28/25 07:00	08/28/25 21:48	1
bis (2-chloroisopropyl) ether	ND		10.0	0.930	ug/L		08/28/25 07:00	08/28/25 21:48	1
Bis(2-chloroethoxy)methane	ND		10.0	0.340	ug/L		08/28/25 07:00	08/28/25 21:48	1
Bis(2-chloroethyl)ether	ND		10.0	0.730	ug/L		08/28/25 07:00	08/28/25 21:48	1
Bis(2-ethylhexyl) phthalate	ND		10.0	4.00	ug/L		08/28/25 07:00	08/28/25 21:48	1
Butyl benzyl phthalate	ND		10.0	4.00	ug/L		08/28/25 07:00	08/28/25 21:48	1
Caprolactam	ND		10.0	2.40	ug/L		08/28/25 07:00	08/28/25 21:48	1
Carbazole	ND		10.0	0.320	ug/L		08/28/25 07:00	08/28/25 21:48	1
Chrysene	ND		10.0	1.20	ug/L		08/28/25 07:00	08/28/25 21:48	1
Dibenz(a,h)anthracene	ND		10.0	1.30	ug/L		08/28/25 07:00	08/28/25 21:48	1
Dibenzofuran	ND		10.0	0.640	ug/L		08/28/25 07:00	08/28/25 21:48	1
Diethyl phthalate	ND		10.0	4.00	ug/L		08/28/25 07:00	08/28/25 21:48	1
Dimethyl phthalate	ND		10.0	4.00	ug/L		08/28/25 07:00	08/28/25 21:48	1
Di-n-butyl phthalate	ND		10.0	8.19	ug/L		08/28/25 07:00	08/28/25 21:48	1
Di-n-octyl phthalate	ND		10.0	4.00	ug/L		08/28/25 07:00	08/28/25 21:48	1
Fluoranthene	ND		10.0	0.630	ug/L		08/28/25 07:00	08/28/25 21:48	1
Fluorene	ND		10.0	0.670	ug/L		08/28/25 07:00	08/28/25 21:48	1
Hexachlorobenzene	ND		10.0	0.250	ug/L		08/28/25 07:00	08/28/25 21:48	1
Hexachlorobutadiene	ND		10.0	0.550	ug/L		08/28/25 07:00	08/28/25 21:48	1
Hexachlorocyclopentadiene	ND		20.0	0.320	ug/L		08/28/25 07:00	08/28/25 21:48	1
Hexachloroethane	ND		10.0	0.530	ug/L		08/28/25 07:00	08/28/25 21:48	1
Indeno[1,2,3-cd]pyrene	ND		10.0	1.10	ug/L		08/28/25 07:00	08/28/25 21:48	1
Isophorone	ND		10.0	0.800	ug/L		08/28/25 07:00	08/28/25 21:48	1
Naphthalene	ND		10.0	0.750	ug/L		08/28/25 07:00	08/28/25 21:48	1
Nitrobenzene	ND		10.0	0.600	ug/L		08/28/25 07:00	08/28/25 21:48	1
N-Nitrosodi-n-propylamine	ND		10.0	0.330	ug/L		08/28/25 07:00	08/28/25 21:48	1
N-Nitrosodiphenylamine	ND		10.0	0.190	ug/L		08/28/25 07:00	08/28/25 21:48	1
Pentachlorophenol	ND		10.0	2.80	ug/L		08/28/25 07:00	08/28/25 21:48	1
Phenanthrene	ND		10.0	0.740	ug/L		08/28/25 07:00	08/28/25 21:48	1
Phenol	ND		10.0	0.680	ug/L		08/28/25 07:00	08/28/25 21:48	1
Pyrene	ND		10.0	0.630	ug/L		08/28/25 07:00	08/28/25 21:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*84*		*10 - 150*	*08/28/25 07:00*	*08/28/25 21:48*	*1*
2-Fluorobiphenyl (Surr)	*70*		*25 - 139*	*08/28/25 07:00*	*08/28/25 21:48*	*1*

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

Lab Sample ID: MB 400-721289/1-A
Matrix: Water
Analysis Batch: 721248

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 721289

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	97		10 - 150	08/28/25 07:00	08/28/25 21:48	1
Nitrobenzene-d5 (Surr)	78		22 - 150	08/28/25 07:00	08/28/25 21:48	1
Phenol-d5 (Surr)	95		10 - 150	08/28/25 07:00	08/28/25 21:48	1
Terphenyl-d14 (Surr)	66		28 - 150	08/28/25 07:00	08/28/25 21:48	1

Lab Sample ID: LCS 400-721289/2-A
Matrix: Water
Analysis Batch: 721248

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 721289

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	33.3	22.99		ug/L		69	27 - 120
2,4,5-Trichlorophenol	33.3	33.39		ug/L		100	27 - 136
2,4,6-Trichlorophenol	33.3	33.10		ug/L		99	21 - 132
2,4-Dichlorophenol	33.3	29.38		ug/L		88	30 - 125
2,4-Dimethylphenol	33.3	26.40		ug/L		79	10 - 142
2,4-Dinitrophenol	66.7	24.06	J	ug/L		36	10 - 150
2,4-Dinitrotoluene	33.3	26.30		ug/L		79	30 - 129
2,6-Dinitrotoluene	33.3	27.28		ug/L		82	34 - 132
2-Chloronaphthalene	33.3	22.26		ug/L		67	10 - 150
2-Chlorophenol	33.3	30.71		ug/L		92	28 - 127
2-Methylnaphthalene	33.3	23.70		ug/L		71	24 - 150
2-Methylphenol	33.3	35.06		ug/L		105	11 - 121
2-Nitroaniline	33.3	28.90		ug/L		87	31 - 141
2-Nitrophenol	33.3	27.33		ug/L		82	31 - 142
3 & 4 Methylphenol	33.3	33.12		ug/L		99	10 - 150
3,3'-Dichlorobenzidine	66.7	42.73		ug/L		64	10 - 150
3-Nitroaniline	33.3	26.53		ug/L		80	33 - 136
4,6-Dinitro-2-methylphenol	66.7	30.34		ug/L		46	10 - 150
4-Bromophenyl phenyl ether	33.3	26.28		ug/L		79	24 - 120
4-Chloro-3-methylphenol	33.3	33.13		ug/L		99	10 - 137
4-Chloroaniline	33.3	27.37		ug/L		82	10 - 150
4-Chlorophenyl phenyl ether	33.3	24.64		ug/L		74	31 - 110
4-Nitroaniline	33.3	27.83		ug/L		83	37 - 139
4-Nitrophenol	66.7	63.57		ug/L		95	10 - 150
Acenaphthene	33.3	24.08		ug/L		72	29 - 150
Acenaphthylene	33.3	24.68		ug/L		74	30 - 150
Acetophenone	33.3	28.08		ug/L		84	27 - 119
Anthracene	33.3	28.83		ug/L		86	31 - 150
Atrazine	33.3	27.57		ug/L		83	10 - 150
Benzaldehyde	33.3	22.72		ug/L		68	10 - 150
Benzo[a]anthracene	33.3	28.30		ug/L		85	36 - 150
Benzo[a]pyrene	33.3	27.66		ug/L		83	29 - 150
Benzo[b]fluoranthene	33.3	27.53		ug/L		83	32 - 150
Benzo[g,h,i]perylene	33.3	25.21		ug/L		76	28 - 150
Benzo[k]fluoranthene	33.3	26.93		ug/L		81	30 - 150
bis (2-chloroisopropyl) ether	33.3	27.21		ug/L		82	32 - 115
Bis(2-chloroethoxy)methane	33.3	25.82		ug/L		77	34 - 120
Bis(2-chloroethyl)ether	33.3	26.91		ug/L		81	32 - 114

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

Lab Sample ID: LCS 400-721289/2-A
Matrix: Water
Analysis Batch: 721248

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 721289

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bis(2-ethylhexyl) phthalate	33.3	28.28		ug/L		85	24 - 133
Butyl benzyl phthalate	33.3	24.30		ug/L		73	24 - 140
Caprolactam	33.3	27.99		ug/L		84	10 - 150
Carbazole	33.3	28.01		ug/L		84	28 - 123
Chrysene	33.3	27.05		ug/L		81	34 - 150
Dibenz(a,h)anthracene	33.3	24.99		ug/L		75	29 - 150
Dibenzofuran	33.3	24.92		ug/L		75	35 - 110
Diethyl phthalate	33.3	21.28		ug/L		64	31 - 118
Dimethyl phthalate	33.3	21.66		ug/L		65	24 - 125
Di-n-butyl phthalate	33.3	23.33		ug/L		70	30 - 127
Di-n-octyl phthalate	33.3	30.21		ug/L		91	28 - 142
Fluoranthene	33.3	27.97		ug/L		84	30 - 150
Fluorene	33.3	25.97		ug/L		78	30 - 150
Hexachlorobenzene	33.3	25.66		ug/L		77	29 - 113
Hexachlorobutadiene	33.3	15.81		ug/L		47	10 - 117
Hexachlorocyclopentadiene	33.3	12.59	J	ug/L		38	10 - 150
Hexachloroethane	33.3	17.23		ug/L		52	10 - 112
Indeno[1,2,3-cd]pyrene	33.3	23.26		ug/L		70	28 - 150
Isophorone	33.3	31.17		ug/L		94	29 - 125
Naphthalene	33.3	22.91		ug/L		69	27 - 150
Nitrobenzene	33.3	27.45		ug/L		82	29 - 129
N-Nitrosodi-n-propylamine	33.3	28.40		ug/L		85	53 - 134
N-Nitrosodiphenylamine	33.1	29.28		ug/L		89	62 - 132
Pentachlorophenol	66.7	69.24		ug/L		104	14 - 150
Phenanthrene	33.3	27.95		ug/L		84	32 - 150
Phenol	33.3	34.26		ug/L		103	10 - 150
Pyrene	33.3	28.02		ug/L		84	30 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*95*		*10 - 150*
2-Fluorobiphenyl (Surr)	*70*		*25 - 139*
2-Fluorophenol (Surr)	*98*		*10 - 150*
Nitrobenzene-d5 (Surr)	*81*		*22 - 150*
Phenol-d5 (Surr)	*103*		*10 - 150*
Terphenyl-d14 (Surr)	*78*		*28 - 150*

Lab Sample ID: LCSD 400-721289/3-A
Matrix: Water
Analysis Batch: 721248

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 721289

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl	33.3	22.20		ug/L		67	27 - 120	3	40
2,4,5-Trichlorophenol	33.3	33.79		ug/L		101	27 - 136	1	40
2,4,6-Trichlorophenol	33.3	32.37		ug/L		97	21 - 132	2	40
2,4-Dichlorophenol	33.3	29.13		ug/L		87	30 - 125	1	40
2,4-Dimethylphenol	33.3	25.04		ug/L		75	10 - 142	5	40
2,4-Dinitrophenol	66.7	23.69	J	ug/L		36	10 - 150	2	40
2,4-Dinitrotoluene	33.3	26.15		ug/L		78	30 - 129	1	40

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

Lab Sample ID: LCSD 400-721289/3-A
Matrix: Water
Analysis Batch: 721248

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 721289

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,6-Dinitrotoluene	33.3	27.33		ug/L		82	34 - 132	0	40
2-Chloronaphthalene	33.3	21.38		ug/L		64	10 - 150	4	40
2-Chlorophenol	33.3	29.49		ug/L		88	28 - 127	4	40
2-Methylnaphthalene	33.3	22.47		ug/L		67	24 - 150	5	40
2-Methylphenol	33.3	34.59		ug/L		104	11 - 121	1	40
2-Nitroaniline	33.3	29.05		ug/L		87	31 - 141	1	40
2-Nitrophenol	33.3	25.54		ug/L		77	31 - 142	7	40
3 & 4 Methylphenol	33.3	32.35		ug/L		97	10 - 150	2	40
3,3'-Dichlorobenzidine	66.7	39.10		ug/L		59	10 - 150	9	40
3-Nitroaniline	33.3	26.61		ug/L		80	33 - 136	0	40
4,6-Dinitro-2-methylphenol	66.7	29.58		ug/L		44	10 - 150	3	40
4-Bromophenyl phenyl ether	33.3	24.64		ug/L		74	24 - 120	6	40
4-Chloro-3-methylphenol	33.3	32.27		ug/L		97	10 - 137	3	40
4-Chloroaniline	33.3	26.18		ug/L		79	10 - 150	4	40
4-Chlorophenyl phenyl ether	33.3	23.74		ug/L		71	31 - 110	4	40
4-Nitroaniline	33.3	27.23		ug/L		82	37 - 139	2	40
4-Nitrophenol	66.7	68.44		ug/L		103	10 - 150	7	40
Acenaphthene	33.3	23.68		ug/L		71	29 - 150	2	40
Acenaphthylene	33.3	23.95		ug/L		72	30 - 150	3	40
Acetophenone	33.3	26.86		ug/L		81	27 - 119	4	40
Anthracene	33.3	27.34		ug/L		82	31 - 150	5	40
Atrazine	33.3	25.81		ug/L		77	10 - 150	7	40
Benzaldehyde	33.3	21.65		ug/L		65	10 - 150	5	40
Benzo[a]anthracene	33.3	26.47		ug/L		79	36 - 150	7	40
Benzo[a]pyrene	33.3	26.60		ug/L		80	29 - 150	4	40
Benzo[b]fluoranthene	33.3	27.08		ug/L		81	32 - 150	2	40
Benzo[g,h,i]perylene	33.3	24.04		ug/L		72	28 - 150	5	40
Benzo[k]fluoranthene	33.3	25.17		ug/L		76	30 - 150	7	40
bis (2-chloroisopropyl) ether	33.3	25.44		ug/L		76	32 - 115	7	40
Bis(2-chloroethoxy)methane	33.3	24.36		ug/L		73	34 - 120	6	40
Bis(2-chloroethyl)ether	33.3	25.67		ug/L		77	32 - 114	5	40
Bis(2-ethylhexyl) phthalate	33.3	26.09		ug/L		78	24 - 133	8	40
Butyl benzyl phthalate	33.3	22.53		ug/L		68	24 - 140	8	40
Caprolactam	33.3	27.93		ug/L		84	10 - 150	0	40
Carbazole	33.3	26.54		ug/L		80	28 - 123	5	40
Chrysene	33.3	25.47		ug/L		76	34 - 150	6	40
Dibenz(a,h)anthracene	33.3	23.99		ug/L		72	29 - 150	4	40
Dibenzofuran	33.3	24.39		ug/L		73	35 - 110	2	40
Diethyl phthalate	33.3	19.98		ug/L		60	31 - 118	6	40
Dimethyl phthalate	33.3	20.35		ug/L		61	24 - 125	6	40
Di-n-butyl phthalate	33.3	21.68		ug/L		65	30 - 127	7	40
Di-n-octyl phthalate	33.3	27.75		ug/L		83	28 - 142	8	40
Fluoranthene	33.3	26.52		ug/L		80	30 - 150	5	40
Fluorene	33.3	25.68		ug/L		77	30 - 150	1	40
Hexachlorobenzene	33.3	24.18		ug/L		73	29 - 113	6	40
Hexachlorobutadiene	33.3	14.26		ug/L		43	10 - 117	10	40
Hexachlorocyclopentadiene	33.3	11.81	J	ug/L		35	10 - 150	6	40
Hexachloroethane	33.3	16.32		ug/L		49	10 - 112	5	40
Indeno[1,2,3-cd]pyrene	33.3	22.25		ug/L		67	28 - 150	4	40

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

Lab Sample ID: LCSD 400-721289/3-A
Matrix: Water
Analysis Batch: 721248

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 721289

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Isophorone			33.3	29.75		ug/L		89	29 - 125	5	40
Naphthalene			33.3	21.65		ug/L		65	27 - 150	6	40
Nitrobenzene			33.3	26.36		ug/L		79	29 - 129	4	40
N-Nitrosodi-n-propylamine			33.3	26.05		ug/L		78	53 - 134	9	40
N-Nitrosodiphenylamine			33.1	29.12		ug/L		88	62 - 132	1	40
Pentachlorophenol			66.7	66.94		ug/L		100	14 - 150	3	40
Phenanthrene			33.3	26.47		ug/L		79	32 - 150	5	40
Phenol			33.3	34.95		ug/L		105	10 - 150	2	40
Pyrene			33.3	26.45		ug/L		79	30 - 150	6	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*90*		*10 - 150*
2-Fluorobiphenyl (Surr)	*67*		*25 - 139*
2-Fluorophenol (Surr)	*98*		*10 - 150*
Nitrobenzene-d5 (Surr)	*79*		*22 - 150*
Phenol-d5 (Surr)	*109*		*10 - 150*
Terphenyl-d14 (Surr)	*72*		*28 - 150*

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

Lab Sample ID: MB 400-721223/1-A
Matrix: Water
Analysis Batch: 721460

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 721223

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.300	0.300	ug/L		08/28/25 07:00	08/29/25 16:54	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*128*		*10 - 140*	*08/28/25 07:00*	*08/29/25 16:54*	*1*

Lab Sample ID: LCS 400-721223/2-A
Matrix: Water
Analysis Batch: 721460

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 721223

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane			16.0	15.94		ug/L		100	30 - 150		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Dioxane-d8	*105*		*10 - 140*

Lab Sample ID: LCSD 400-721223/3-A
Matrix: Water
Analysis Batch: 721460

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 721223

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane			16.0	16.14		ug/L		101	30 - 150	1	

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,4-Dioxane-d8	*103*		*10 - 140*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 705-78345/1-A
Matrix: Water
Analysis Batch: 79014

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 78345

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	2.45	ug/L		08/29/25 09:29	09/02/25 17:18	1
Arsenic	ND		5.00	1.32	ug/L		08/29/25 09:29	09/02/25 17:18	1
Barium	ND		10.0	0.410	ug/L		08/29/25 09:29	09/02/25 17:18	1
Beryllium	ND		1.00	0.147	ug/L		08/29/25 09:29	09/02/25 17:18	1
Cadmium	ND		0.700	0.237	ug/L		08/29/25 09:29	09/02/25 17:18	1
Chromium	ND		5.00	3.69	ug/L		08/29/25 09:29	09/02/25 17:18	1
Cobalt	ND		5.00	0.411	ug/L		08/29/25 09:29	09/02/25 17:18	1
Copper	ND		2.00	0.642	ug/L		08/29/25 09:29	09/02/25 17:18	1
Lead	ND		1.00	0.864	ug/L		08/29/25 09:29	09/02/25 17:18	1
Manganese	ND		5.00	1.29	ug/L		08/29/25 09:29	09/02/25 17:18	1
Nickel	ND		5.00	0.422	ug/L		08/29/25 09:29	09/02/25 17:18	1
Selenium	ND		5.00	2.29	ug/L		08/29/25 09:29	09/02/25 17:18	1
Silver	ND		1.00	0.167	ug/L		08/29/25 09:29	09/02/25 17:18	1
Thallium	ND		1.00	0.190	ug/L		08/29/25 09:29	09/02/25 17:18	1
Vanadium	ND		5.00	1.22	ug/L		08/29/25 09:29	09/02/25 17:18	1
Zinc	ND		10.0	8.91	ug/L		08/29/25 09:29	09/02/25 17:18	1

Lab Sample ID: LCS 705-78345/2-A
Matrix: Water
Analysis Batch: 79014

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 78345

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	100	100.5		ug/L		100	80 - 120
Arsenic	100	98.30		ug/L		98	80 - 120
Barium	100	100.2		ug/L		100	80 - 120
Beryllium	100	95.17		ug/L		95	80 - 120
Cadmium	100	96.76		ug/L		97	80 - 120
Chromium	100	99.18		ug/L		99	80 - 120
Cobalt	100	100.4		ug/L		100	80 - 120
Copper	100	99.82		ug/L		100	80 - 120
Lead	100	99.62		ug/L		100	80 - 120
Manganese	100	96.55		ug/L		97	80 - 120
Nickel	100	101.0		ug/L		101	80 - 120
Selenium	100	96.22		ug/L		96	80 - 120
Silver	10.0	9.946		ug/L		99	80 - 120
Thallium	100	99.62		ug/L		100	80 - 120
Vanadium	100	97.16		ug/L		97	80 - 120
Zinc	100	98.23		ug/L		98	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 705-79866/1-A
Matrix: Water
Analysis Batch: 80061

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 79866

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	^+	0.200	0.166	ug/L		09/05/25 15:04	09/05/25 22:20	1

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

Lab Sample ID: LCS 705-79866/2-A
Matrix: Water
Analysis Batch: 80061

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 79866

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	4.00	5.089	^+ *+	ug/L		127	80 - 120

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 752-13269/12
Matrix: Water
Analysis Batch: 13269

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.0500	0.0200	mg/L			08/27/25 09:54	1

Lab Sample ID: LCS 752-13269/13
Matrix: Water
Analysis Batch: 13269

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	1.02	1.019		mg/L		100	90 - 110

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 400-722095/37
Matrix: Water
Analysis Batch: 722095

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		5.00	1.40	mg/L			09/05/25 12:24	1

Lab Sample ID: LCS 400-722095/38
Matrix: Water
Analysis Batch: 722095

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	15.0	14.69		mg/L		98	90 - 110

Lab Sample ID: MRL 400-722095/21
Matrix: Water
Analysis Batch: 722095

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	5.00	4.169	J	mg/L		83	50 - 150

QC Association Summary

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 752-36183-1

GC/MS VOA

Analysis Batch: 721585

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-36183-1	A-MW-1	Total/NA	Water	8260D	
752-36183-2	A-MW-2	Total/NA	Water	8260D	
MB 400-721585/5	Method Blank	Total/NA	Water	8260D	
LCS 400-721585/1002	Lab Control Sample	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 721223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-36183-1	A-MW-1	Total/NA	Water	3510C	
752-36183-2	A-MW-2	Total/NA	Water	3510C	
MB 400-721223/1-A	Method Blank	Total/NA	Water	3510C	
LCS 400-721223/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 400-721223/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 721248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-36183-1	A-MW-1	Total/NA	Water	8270E	721289
752-36183-2	A-MW-2	Total/NA	Water	8270E	721289
MB 400-721289/1-A	Method Blank	Total/NA	Water	8270E	721289
LCS 400-721289/2-A	Lab Control Sample	Total/NA	Water	8270E	721289
LCSD 400-721289/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	721289

Prep Batch: 721289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-36183-1	A-MW-1	Total/NA	Water	3511	
752-36183-2	A-MW-2	Total/NA	Water	3511	
MB 400-721289/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-721289/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-721289/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 721460

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-36183-1	A-MW-1	Total/NA	Water	8270E SIM ID	721223
752-36183-2	A-MW-2	Total/NA	Water	8270E SIM ID	721223
MB 400-721223/1-A	Method Blank	Total/NA	Water	8270E SIM ID	721223
LCS 400-721223/2-A	Lab Control Sample	Total/NA	Water	8270E SIM ID	721223
LCSD 400-721223/3-A	Lab Control Sample Dup	Total/NA	Water	8270E SIM ID	721223

Metals

Prep Batch: 78345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-36183-1	A-MW-1	Total Recoverable	Water	3005A	
752-36183-2	A-MW-2	Total Recoverable	Water	3005A	
MB 705-78345/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 705-78345/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 79014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-36183-1	A-MW-1	Total Recoverable	Water	6020B	78345
752-36183-2	A-MW-2	Total Recoverable	Water	6020B	78345

Metals (Continued)

Analysis Batch: 79014 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 705-78345/1-A	Method Blank	Total Recoverable	Water	6020B	78345
LCS 705-78345/2-A	Lab Control Sample	Total Recoverable	Water	6020B	78345

Prep Batch: 79866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-36183-1	A-MW-1	Total/NA	Water	7470A	
752-36183-2	A-MW-2	Total/NA	Water	7470A	
MB 705-79866/1-A	Method Blank	Total/NA	Water	7470A	
LCS 705-79866/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 80061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-36183-1	A-MW-1	Total/NA	Water	7470A	79866
752-36183-2	A-MW-2	Total/NA	Water	7470A	79866
MB 705-79866/1-A	Method Blank	Total/NA	Water	7470A	79866
LCS 705-79866/2-A	Lab Control Sample	Total/NA	Water	7470A	79866

General Chemistry

Analysis Batch: 13269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-36183-1	A-MW-1	Total/NA	Water	350.1	
752-36183-2	A-MW-2	Total/NA	Water	350.1	
MB 752-13269/12	Method Blank	Total/NA	Water	350.1	
LCS 752-13269/13	Lab Control Sample	Total/NA	Water	350.1	

Analysis Batch: 13273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-36183-1	A-MW-1	Total/NA	Water	Nitrate by calc	
752-36183-2	A-MW-2	Total/NA	Water	Nitrate by calc	

Analysis Batch: 722095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-36183-1	A-MW-1	Total/NA	Water	SM 4500 SO4 E	
752-36183-2	A-MW-2	Total/NA	Water	SM 4500 SO4 E	
MB 400-722095/37	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-722095/38	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MRL 400-722095/21	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	

Lab Chronicle

Client: S&ME Inc
Job ID: 752-36183-1
Project/Site: Lyon Park

Client Sample ID: A-MW-1
Lab Sample ID: 752-36183-1

Date Collected: 08/25/25 16:35
Matrix: Water
Date Received: 08/26/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	721585	BPO	EET PEN	09/02/25 17:33
Total/NA	Prep	3511			721289	RAW	EET PEN	08/28/25 07:00
Total/NA	Analysis	8270E		1	721248	JAW	EET PEN	08/28/25 23:29
Total/NA	Prep	3510C			721223	BKL	EET PEN	08/28/25 07:00
Total/NA	Analysis	8270E SIM ID		1	721460	KJA	EET PEN	08/29/25 17:59
Total Recoverable	Prep	3005A			78345	SA	EET ATL	08/29/25 09:29
Total Recoverable	Analysis	6020B		1	79014	IF	EET ATL	09/02/25 18:22
Total/NA	Prep	7470A			79866	GR	EET ATL	09/05/25 15:04
Total/NA	Analysis	7470A		1	80061	GR	EET ATL	09/05/25 23:46
Total/NA	Analysis	350.1		1	13269	ME	EET RAL	08/27/25 10:13
Total/NA	Analysis	Nitrate by calc		1	13273	LEB	EET RAL	08/28/25 11:50
Total/NA	Analysis	SM 4500 SO4 E		1	722095	CJK	EET PEN	09/05/25 12:38

Client Sample ID: A-MW-2
Lab Sample ID: 752-36183-2

Date Collected: 08/25/25 17:30
Matrix: Water
Date Received: 08/26/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	721585	BPO	EET PEN	09/02/25 18:00
Total/NA	Prep	3511			721289	RAW	EET PEN	08/28/25 07:00
Total/NA	Analysis	8270E		1	721248	JAW	EET PEN	08/29/25 00:03
Total/NA	Prep	3510C			721223	BKL	EET PEN	08/28/25 07:00
Total/NA	Analysis	8270E SIM ID		1	721460	KJA	EET PEN	08/29/25 18:21
Total Recoverable	Prep	3005A			78345	SA	EET ATL	08/29/25 09:29
Total Recoverable	Analysis	6020B		1	79014	IF	EET ATL	09/02/25 18:25
Total/NA	Prep	7470A			79866	GR	EET ATL	09/05/25 15:04
Total/NA	Analysis	7470A		1	80061	GR	EET ATL	09/05/25 23:50
Total/NA	Analysis	350.1		1	13269	ME	EET RAL	08/27/25 10:14
Total/NA	Analysis	Nitrate by calc		1	13273	LEB	EET RAL	08/28/25 11:50
Total/NA	Analysis	SM 4500 SO4 E		1	722095	CJK	EET PEN	09/05/25 12:39

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

EET RAL = Eurofins Raleigh, 104 Woodwinds Industrial Court, Suite A, Cary, NC 27511, TEL (919)467-3090

Accreditation/Certification Summary

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 752-36183-1

Laboratory: Eurofins Raleigh

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
North Carolina (WW/SW)	State	591	12-31-25

Laboratory: Eurofins Atlanta

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
North Carolina (WW/SW)	State	562	12-31-25

Laboratory: Eurofins Pensacola

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
North Carolina (WW/SW)	State	314	12-31-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260D		Water	1,2,4-Trimethylbenzene
8260D		Water	Hexane
8260D		Water	n-Heptane
8270E	3511	Water	3 & 4 Methylphenol
8270E	3511	Water	4-Nitrophenol

Method Summary

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 752-36183-1

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
6020B	Metals (ICP/MS)	SW846	EET ATL
7470A	Mercury (CVAA)	SW846	EET ATL
350.1	Nitrogen, Ammonia	EPA	EET RAL
Nitrate by calc	Nitrogen, Nitrate-Nitrite	SM	EET RAL
SM 4500 SO4 E	Sulfate, Total	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: Lyon Park

Job ID: 752-36183-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
752-36183-1	A-MW-1	Water	08/25/25 16:35	08/26/25 09:15	North Carolina
752-36183-2	A-MW-2	Water	08/25/25 17:30	08/26/25 09:15	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: CF	Lab PM: Bechtold, Chad	Carrier Tracking No(s):	COC No: 680-169223-59654.1
Client Contact: Jerry Paul	Phone: 843.503.1042	E-Mail: Chad.Bechtold@et.eurofinsus.com	State of Origin:	Page: Page 1 of 2
Company: S&ME Inc	PWSID:			Job #:
Address: 3201 Spring Forest Road	Due Date Requested:			
City: Raleigh	TAT Requested (days):			
State, Zip: NC, 27616	Compliance Project: Δ Yes Δ No			
Phone: 919-872-2660(Tel) 919-876-3958(Fax)	PO #: 23050630, Phase BB			
Email: jpaul@smeinc.com	WO #:			
Project Name: Lyon Park	Project #: 68026680			
Site: Lyon Park	SSOW#:			

Analysis Requested

Preservation Codes:
N - None
S - H2SO4
D - HNO3
A - HCL

752-36183 COC

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9056A_ORGFM_28D - Sulfate	350.1 - Ammonia as N	6020B - PRLF 16 Metals, Including prep; 7470A -	8260D - VOC NC 02L List	8270E_SIM_MS_ID - 1,4-Dioxane	8270E_QQQ - SVOC TCL OLM4.2	353.2_Nitrite, Nitrate_Calc (48 hour HT)	353.2 - Nitrate+Nitrite	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	S	D	A	N	N	N	S		
A-MW-1	8/25/25	1635	C	W			/	/	/	/	/	/	/	/		
A-MW-2		1730	C	W			/	/	/	/	/		/			

Initial Temperature: 2.5 °C
Correction Factor: -0.3°C
Corrected Temperature: 2.2 °C
Temp IR Gun: CRY-T-132
Initials: RY BR PG DW DO LB

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
	8/26/25 0915			8/26/25 0915	
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: 752-6434.1
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 #: 752-36183-1
Address: 3355 McLemore Drive, ,	Due Date Requested: 9/4/2025			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: Lyon Park	Project #: 68026680			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D/6030CVOC NC 02L List	8270E_QQQ/3511SVOC TCL OLM4 2	8270E_SIM_ID_D5/3510C_LVI1,4 Dioxane	SM4500_SO4_E	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
A-MW-1 (752-36183-1)	8/25/25	16 35 Eastern	G	Water			X	X	X	X		
A-MW-2 (752-36183-2)	8/25/25	17 30 Eastern	G	Water			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	[signature]	8/26/25 12:53				
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by: [signature]	Date/Time: 8/27/25 938	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No..	Cooler Temperature(s) °C and Other Remarks: 0.0, 0.0 IR10

Ver: 10/10/2024

9/9/2025

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: 752-6432.1
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 #: 752-36183-1
Address: 3080 Presidential Dr, ,	Due Date Requested: 9/4/2025	Analysis Requested		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: Lyon Park	Project #: 68026680			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (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:							
A-MW-1 (752-36183-1)	8/25/25	16:35 Eastern	G	Water			X	X	1	
A-MW-2 (752-36183-2)	8/25/25	17:30 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:	Company	Received by:	Date/Time:	Company
1	[signature]	8/26/25 12:53		[signature]	8/27/25 9:45	Fedex
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		1.3 # 2665

Login Sample Receipt Checklist

Client: S&ME Inc

Job Number: 752-36183-1

Login Number: 36183

List Source: Eurofins Raleigh

List Number: 1

Creator: Yonish, Rachel

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: 752-36183-1

Login Number: 36183
List Number: 2
Creator: Ceclu, Rodica

List Source: Eurofins Atlanta
List Creation: 08/27/25 09:55 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: 752-36183-1

Login Number: 36183
List Number: 3
Creator: Bankston, Victoria K

List Source: Eurofins Pensacola
List Creation: 08/27/25 04:35 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	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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 9/17/2025 7:00:36 PM

JOB DESCRIPTION

Lyon Park

JOB NUMBER

752-36232-1

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
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Definitions/Glossary

Client: S&ME Inc
Job ID: 752-36232-1
Project/Site: Lyon Park

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

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
I	Value is EMPC (estimated maximum possible concentration).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

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

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
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 Narrative
752-36232-1

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 8/27/2025 10:08 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 4.0°C and 4.4°C.

GC/MS VOA
Method 8260D: The laboratory control sample (LCS) for analytical batch 400-721717 recovered outside control limits for the following analytes: 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene 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: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 400-721396 and analytical batch 400-721385 recovered outside control limits for the following analyte: Caprolactam. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method 8270E_QQQ: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 400-721396 and analytical batch 400-721385 recovered outside control limits for the following analyte: 2,4-Dinitrophenol.

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

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

General Chemistry
Method SM4500_SO4_E: The following samples were diluted to bring the concentration of Sulfate within the calibration range: MW-6 (752-36232-2) and A-MW-3 (752-36232-4). 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: Lyon Park

Job ID: 752-36232-1

Client Sample ID: MW-3 — Lab Sample ID: 752-36232-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	221		10.0	0.410	ug/L	1		6020B	Total Recoverable
Manganese	6.49		5.00	1.29	ug/L	1		6020B	Total Recoverable
Vanadium	4.20	J	5.00	1.22	ug/L	1		6020B	Total Recoverable
Nitrate as N	2.94		0.100	0.0250	mg/L	1		Nitrate by calc	Total/NA
Sulfate	36.0		5.00	1.40	mg/L	1		SM 4500 SO4 E	Total/NA

Client Sample ID: MW-6 — Lab Sample ID: 752-36232-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	226		10.0	0.410	ug/L	1		6020B	Total Recoverable
Copper	1.47	J	2.00	0.642	ug/L	1		6020B	Total Recoverable
Manganese	56.6		5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	0.779	J	5.00	0.422	ug/L	1		6020B	Total Recoverable
Vanadium	1.67	J	5.00	1.22	ug/L	1		6020B	Total Recoverable
Nitrate as N	0.0411	J	0.100	0.0250	mg/L	1		Nitrate by calc	Total/NA
Sulfate	56.5		10.0	2.80	mg/L	2		SM 4500 SO4 E	Total/NA

Client Sample ID: MW-7 — Lab Sample ID: 752-36232-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Caprolactam	3.86	J *+	9.87	2.37	ug/L	1		8270E	Total/NA
Barium	95.2		10.0	0.410	ug/L	1		6020B	Total Recoverable
Copper	0.774	J	2.00	0.642	ug/L	1		6020B	Total Recoverable
Manganese	32.0		5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	0.928	J	5.00	0.422	ug/L	1		6020B	Total Recoverable
Vanadium	8.03		5.00	1.22	ug/L	1		6020B	Total Recoverable
Nitrate as N	0.178		0.100	0.0250	mg/L	1		Nitrate by calc	Total/NA
Sulfate	7.44		5.00	1.40	mg/L	1		SM 4500 SO4 E	Total/NA

Client Sample ID: A-MW-3 — Lab Sample ID: 752-36232-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.400	J	1.00	0.400	ug/L	1		8260D	Total/NA
Caprolactam	7.17	J *+	9.97	2.39	ug/L	1		8270E	Total/NA
Arsenic	5.52		5.00	1.32	ug/L	1		6020B	Total Recoverable
Barium	101		10.0	0.410	ug/L	1		6020B	Total Recoverable
Cobalt	6.40		5.00	0.411	ug/L	1		6020B	Total Recoverable
Manganese	5570		50.0	12.9	ug/L	10		6020B	Total Recoverable
Nickel	1.74	J	5.00	0.422	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Raleigh

Detection Summary

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 752-36232-1

Client Sample ID: A-MW-3 (Continued) — Lab Sample ID: 752-36232-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ammonia	0.0684		0.0500	0.0200	mg/L	1		350.1	Total/NA
Sulfate	87.4		25.0	7.00	mg/L	5		SM 4500 SO4 E	Total/NA

Client Sample ID: A-MW-4 — Lab Sample ID: 752-36232-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.86	J	5.00	1.32	ug/L	1		6020B	Total Recoverable
Barium	36.1		10.0	0.410	ug/L	1		6020B	Total Recoverable
Copper	1.18	J	2.00	0.642	ug/L	1		6020B	Total Recoverable
Manganese	34.8		5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	0.746	J	5.00	0.422	ug/L	1		6020B	Total Recoverable
Vanadium	4.49	J	5.00	1.22	ug/L	1		6020B	Total Recoverable
Sulfate	2.71	J	5.00	1.40	mg/L	1		SM 4500 SO4 E	Total/NA

Client Sample ID: Duplicate -1 — Lab Sample ID: 752-36232-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	89.4		10.0	0.410	ug/L	1		6020B	Total Recoverable
Copper	0.776	J	2.00	0.642	ug/L	1		6020B	Total Recoverable
Manganese	25.0		5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	0.859	J	5.00	0.422	ug/L	1		6020B	Total Recoverable
Vanadium	8.75		5.00	1.22	ug/L	1		6020B	Total Recoverable
Nitrate as N	0.379		0.100	0.0250	mg/L	1		Nitrate by calc	Total/NA
Sulfate	7.04		5.00	1.40	mg/L	1		SM 4500 SO4 E	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 752-36232-7

No Detections.

This Detection Summary does not include radiochemical test results.

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 752-36232-1

Client Sample ID: MW-3
Date Collected: 08/26/25 15:50
Date Received: 08/27/25 10:08

Lab Sample ID: 752-36232-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	F1	25.0	10.0	ug/L			09/03/25 13:33	1
Benzene	ND		1.00	0.500	ug/L			09/03/25 13:33	1
Bromobenzene	ND		1.00	0.540	ug/L			09/03/25 13:33	1
Bromoform	ND		5.00	0.250	ug/L			09/03/25 13:33	1
Bromomethane	ND		1.00	0.980	ug/L			09/03/25 13:33	1
2-Butanone (MEK)	ND	F1	25.0	2.60	ug/L			09/03/25 13:33	1
Carbon disulfide	ND		1.00	0.500	ug/L			09/03/25 13:33	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			09/03/25 13:33	1
Chlorobenzene	ND		1.00	0.420	ug/L			09/03/25 13:33	1
Chlorobromomethane	ND		1.00	0.520	ug/L			09/03/25 13:33	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			09/03/25 13:33	1
Chloroethane	ND		1.00	0.760	ug/L			09/03/25 13:33	1
Chloroform	ND		1.00	0.900	ug/L			09/03/25 13:33	1
Chloromethane	ND	F1	1.00	0.400	ug/L			09/03/25 13:33	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			09/03/25 13:33	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			09/03/25 13:33	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			09/03/25 13:33	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			09/03/25 13:33	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			09/03/25 13:33	1
Dibromomethane	ND		5.00	0.220	ug/L			09/03/25 13:33	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			09/03/25 13:33	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			09/03/25 13:33	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			09/03/25 13:33	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			09/03/25 13:33	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			09/03/25 13:33	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			09/03/25 13:33	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			09/03/25 13:33	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 13:33	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 13:33	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 13:33	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			09/03/25 13:33	1
Ethyl acetate	ND		10.0	6.14	ug/L			09/03/25 13:33	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/03/25 13:33	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			09/03/25 13:33	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			09/03/25 13:33	1
Hexane	ND	F1	1.00	0.960	ug/L			09/03/25 13:33	1
2-Hexanone	ND	F1	25.0	4.26	ug/L			09/03/25 13:33	1
Iodomethane	ND		1.00	0.900	ug/L			09/03/25 13:33	1
Isopropylbenzene	ND		1.00	0.530	ug/L			09/03/25 13:33	1
Isopropyl ether	ND		1.00	0.740	ug/L			09/03/25 13:33	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			09/03/25 13:33	1
Methylene Chloride	ND		5.00	3.00	ug/L			09/03/25 13:33	1
4-Methyl-2-pentanone (MIBK)	ND	F1	25.0	1.80	ug/L			09/03/25 13:33	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			09/03/25 13:33	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			09/03/25 13:33	1
Naphthalene	ND		5.00	3.00	ug/L			09/03/25 13:33	1
n-Butylbenzene	ND	*+	1.00	0.760	ug/L			09/03/25 13:33	1
n-Heptane	ND	F1	1.00	0.210	ug/L			09/03/25 13:33	1
N-Propylbenzene	ND		1.00	0.690	ug/L			09/03/25 13:33	1

Client Sample ID: MW-3
Date Collected: 08/26/25 15:50
Date Received: 08/27/25 10:08

Lab Sample ID: 752-36232-1
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			09/03/25 13:33	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			09/03/25 13:33	1
Styrene	ND		1.00	1.00	ug/L			09/03/25 13:33	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			09/03/25 13:33	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			09/03/25 13:33	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			09/03/25 13:33	1
Tetrachloroethene	ND		1.00	0.330	ug/L			09/03/25 13:33	1
Toluene	ND		1.00	0.900	ug/L			09/03/25 13:33	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			09/03/25 13:33	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			09/03/25 13:33	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			09/03/25 13:33	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			09/03/25 13:33	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			09/03/25 13:33	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			09/03/25 13:33	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			09/03/25 13:33	1
Trichloroethene	ND		1.00	0.150	ug/L			09/03/25 13:33	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			09/03/25 13:33	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			09/03/25 13:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			09/03/25 13:33	1
1,2,4-Trimethylbenzene	ND	*+	1.00	0.820	ug/L			09/03/25 13:33	1
1,3,5-Trimethylbenzene	ND	*+	1.00	0.560	ug/L			09/03/25 13:33	1
Vinyl acetate	ND		25.0	0.930	ug/L			09/03/25 13:33	1
Vinyl chloride	ND		1.00	0.500	ug/L			09/03/25 13:33	1
Xylenes, Total	ND		10.0	6.00	ug/L			09/03/25 13:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*56 - 136*		*09/03/25 13:33*	*1*
Dibromofluoromethane	*97*		*79 - 130*		*09/03/25 13:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*82*		*59 - 146*		*09/03/25 13:33*	*1*
Toluene-d8 (Surr)	*105*		*64 - 132*		*09/03/25 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		0.277	0.277	ug/L		08/28/25 07:00	08/29/25 22:20	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*21*		*10 - 140*	*08/28/25 07:00*	*08/29/25 22:20*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		10.0	0.420	ug/L		08/29/25 07:00	08/29/25 19:23	1
2,4,5-Trichlorophenol	ND		10.0	0.540	ug/L		08/29/25 07:00	08/29/25 19:23	1
2,4,6-Trichlorophenol	ND		10.0	1.09	ug/L		08/29/25 07:00	08/29/25 19:23	1
2,4-Dichlorophenol	ND		10.0	0.570	ug/L		08/29/25 07:00	08/29/25 19:23	1
2,4-Dimethylphenol	ND		10.0	0.240	ug/L		08/29/25 07:00	08/29/25 19:23	1
2,4-Dinitrophenol	ND	*- *1	30.0	4.68	ug/L		08/29/25 07:00	08/29/25 19:23	1
2,4-Dinitrotoluene	ND		10.0	0.650	ug/L		08/29/25 07:00	08/29/25 19:23	1
2,6-Dinitrotoluene	ND		10.0	0.290	ug/L		08/29/25 07:00	08/29/25 19:23	1
2-Chloronaphthalene	ND		10.0	0.380	ug/L		08/29/25 07:00	08/29/25 19:23	1
2-Chlorophenol	ND		10.0	0.840	ug/L		08/29/25 07:00	08/29/25 19:23	1
2-Methylnaphthalene	ND		10.0	0.810	ug/L		08/29/25 07:00	08/29/25 19:23	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 752-36232-1

Client Sample ID: MW-3
Date Collected: 08/26/25 15:50
Date Received: 08/27/25 10:08

Lab Sample ID: 752-36232-1
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		10.0	0.760	ug/L		08/29/25 07:00	08/29/25 19:23	1
2-Nitroaniline	ND		10.0	1.37	ug/L		08/29/25 07:00	08/29/25 19:23	1
2-Nitrophenol	ND		10.0	1.17	ug/L		08/29/25 07:00	08/29/25 19:23	1
3 & 4 Methylphenol	ND		20.0	4.60	ug/L		08/29/25 07:00	08/29/25 19:23	1
3,3'-Dichlorobenzidine	ND		11.0	0.410	ug/L		08/29/25 07:00	08/29/25 19:23	1
3-Nitroaniline	ND		10.0	0.950	ug/L		08/29/25 07:00	08/29/25 19:23	1
4,6-Dinitro-2-methylphenol	ND		10.0	1.97	ug/L		08/29/25 07:00	08/29/25 19:23	1
4-Bromophenyl phenyl ether	ND		10.0	0.130	ug/L		08/29/25 07:00	08/29/25 19:23	1
4-Chloro-3-methylphenol	ND		10.0	0.730	ug/L		08/29/25 07:00	08/29/25 19:23	1
4-Chloroaniline	ND		10.0	0.580	ug/L		08/29/25 07:00	08/29/25 19:23	1
4-Chlorophenyl phenyl ether	ND		10.0	0.240	ug/L		08/29/25 07:00	08/29/25 19:23	1
4-Nitroaniline	ND		10.0	3.50	ug/L		08/29/25 07:00	08/29/25 19:23	1
4-Nitrophenol	ND		10.0	2.74	ug/L		08/29/25 07:00	08/29/25 19:23	1
Acenaphthene	ND		10.0	0.630	ug/L		08/29/25 07:00	08/29/25 19:23	1
Acenaphthylene	ND		10.0	0.760	ug/L		08/29/25 07:00	08/29/25 19:23	1
Acetophenone	ND		10.0	3.20	ug/L		08/29/25 07:00	08/29/25 19:23	1
Anthracene	ND		10.0	0.910	ug/L		08/29/25 07:00	08/29/25 19:23	1
Atrazine	ND		10.0	1.13	ug/L		08/29/25 07:00	08/29/25 19:23	1
Benzaldehyde	ND		10.0	0.670	ug/L		08/29/25 07:00	08/29/25 19:23	1
Benzo[a]anthracene	ND		10.0	1.00	ug/L		08/29/25 07:00	08/29/25 19:23	1
Benzo[a]pyrene	ND		10.0	1.10	ug/L		08/29/25 07:00	08/29/25 19:23	1
Benzo[b]fluoranthene	ND		10.0	1.20	ug/L		08/29/25 07:00	08/29/25 19:23	1
Benzo[g,h,i]perylene	ND		10.0	1.50	ug/L		08/29/25 07:00	08/29/25 19:23	1
Benzo[k]fluoranthene	ND		10.0	1.50	ug/L		08/29/25 07:00	08/29/25 19:23	1
bis (2-chloroisopropyl) ether	ND		10.0	0.930	ug/L		08/29/25 07:00	08/29/25 19:23	1
Bis(2-chloroethoxy)methane	ND		10.0	0.340	ug/L		08/29/25 07:00	08/29/25 19:23	1
Bis(2-chloroethyl)ether	ND		10.0	0.730	ug/L		08/29/25 07:00	08/29/25 19:23	1
Bis(2-ethylhexyl) phthalate	ND		10.0	4.00	ug/L		08/29/25 07:00	08/29/25 19:23	1
Butyl benzyl phthalate	ND		10.0	4.00	ug/L		08/29/25 07:00	08/29/25 19:23	1
Caprolactam	ND	*+	10.0	2.40	ug/L		08/29/25 07:00	08/29/25 19:23	1
Carbazole	ND		10.0	0.320	ug/L		08/29/25 07:00	08/29/25 19:23	1
Chrysene	ND		10.0	1.20	ug/L		08/29/25 07:00	08/29/25 19:23	1
Dibenz(a,h)anthracene	ND		10.0	1.30	ug/L		08/29/25 07:00	08/29/25 19:23	1
Dibenzofuran	ND		10.0	0.640	ug/L		08/29/25 07:00	08/29/25 19:23	1
Diethyl phthalate	ND		10.0	4.00	ug/L		08/29/25 07:00	08/29/25 19:23	1
Dimethyl phthalate	ND		10.0	4.00	ug/L		08/29/25 07:00	08/29/25 19:23	1
Di-n-butyl phthalate	ND		10.0	8.19	ug/L		08/29/25 07:00	08/29/25 19:23	1
Di-n-octyl phthalate	ND		10.0	4.00	ug/L		08/29/25 07:00	08/29/25 19:23	1
Fluoranthene	ND		10.0	0.630	ug/L		08/29/25 07:00	08/29/25 19:23	1
Fluorene	ND		10.0	0.670	ug/L		08/29/25 07:00	08/29/25 19:23	1
Hexachlorobenzene	ND		10.0	0.250	ug/L		08/29/25 07:00	08/29/25 19:23	1
Hexachlorobutadiene	ND		10.0	0.550	ug/L		08/29/25 07:00	08/29/25 19:23	1
Hexachlorocyclopentadiene	ND		20.0	0.320	ug/L		08/29/25 07:00	08/29/25 19:23	1
Hexachloroethane	ND		10.0	0.530	ug/L		08/29/25 07:00	08/29/25 19:23	1
Indeno[1,2,3-cd]pyrene	ND		10.0	1.10	ug/L		08/29/25 07:00	08/29/25 19:23	1
Isophorone	ND		10.0	0.800	ug/L		08/29/25 07:00	08/29/25 19:23	1
Naphthalene	ND		10.0	0.750	ug/L		08/29/25 07:00	08/29/25 19:23	1
Nitrobenzene	ND		10.0	0.600	ug/L		08/29/25 07:00	08/29/25 19:23	1
N-Nitrosodi-n-propylamine	ND		10.0	0.330	ug/L		08/29/25 07:00	08/29/25 19:23	1

Client Sample ID: MW-3

Lab Sample ID: 752-36232-1

Date Collected: 08/26/25 15:50

Matrix: Water

Date Received: 08/27/25 10:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		10.0	0.190	ug/L		08/29/25 07:00	08/29/25 19:23	1
Pentachlorophenol	ND		10.0	2.80	ug/L		08/29/25 07:00	08/29/25 19:23	1
Phenanthrene	ND		10.0	0.740	ug/L		08/29/25 07:00	08/29/25 19:23	1
Phenol	ND		10.0	0.680	ug/L		08/29/25 07:00	08/29/25 19:23	1
Pyrene	ND		10.0	0.630	ug/L		08/29/25 07:00	08/29/25 19:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*54*		*10 - 150*	*08/29/25 07:00*	*08/29/25 19:23*	*1*
2-Fluorobiphenyl (Surr)	*73*		*25 - 139*	*08/29/25 07:00*	*08/29/25 19:23*	*1*
2-Fluorophenol (Surr)	*72*		*10 - 150*	*08/29/25 07:00*	*08/29/25 19:23*	*1*
Nitrobenzene-d5 (Surr)	*88*		*22 - 150*	*08/29/25 07:00*	*08/29/25 19:23*	*1*
Phenol-d5 (Surr)	*74*		*10 - 150*	*08/29/25 07:00*	*08/29/25 19:23*	*1*
Terphenyl-d14 (Surr)	*50*		*28 - 150*	*08/29/25 07:00*	*08/29/25 19:23*	*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		09/02/25 12:35	09/04/25 01:47	1
Arsenic	ND		5.00	1.32	ug/L		09/02/25 12:35	09/04/25 01:47	1
Barium	**221**		10.0	0.410	ug/L		09/02/25 12:35	09/16/25 18:10	1
Beryllium	ND		1.00	0.147	ug/L		09/02/25 12:35	09/04/25 01:47	1
Cadmium	ND		0.700	0.237	ug/L		09/02/25 12:35	09/04/25 01:47	1
Chromium	ND		5.00	3.69	ug/L		09/02/25 12:35	09/04/25 01:47	1
Cobalt	ND		5.00	0.411	ug/L		09/02/25 12:35	09/04/25 01:47	1
Copper	ND		2.00	0.642	ug/L		09/02/25 12:35	09/04/25 01:47	1
Lead	ND		1.00	0.864	ug/L		09/02/25 12:35	09/04/25 01:47	1
Manganese	**6.49**		5.00	1.29	ug/L		09/02/25 12:35	09/04/25 01:47	1
Nickel	ND		5.00	0.422	ug/L		09/02/25 12:35	09/04/25 01:47	1
Selenium	ND		5.00	2.29	ug/L		09/02/25 12:35	09/04/25 01:47	1
Silver	ND		1.00	0.167	ug/L		09/02/25 12:35	09/04/25 01:47	1
Thallium	ND		1.00	0.190	ug/L		09/02/25 12:35	09/04/25 01:47	1
Vanadium	**4.20**	**J**	5.00	1.22	ug/L		09/02/25 12:35	09/04/25 01:47	1
Zinc	ND		10.0	8.91	ug/L		09/02/25 12:35	09/04/25 01:47	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.166	ug/L		09/09/25 14:35	09/09/25 22:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (EPA 350.1)	ND		0.0500	0.0200	mg/L			09/03/25 10:46	1
Nitrate as N (SM Nitrate by calc)	**2.94**		0.100	0.0250	mg/L			09/02/25 11:27	1
Sulfate (SM 4500 SO4 E)	**36.0**		5.00	1.40	mg/L			09/08/25 11:21	1

Client Sample ID: MW-6

Lab Sample ID: 752-36232-2

Date Collected: 08/26/25 15:20

Matrix: Water

Date Received: 08/27/25 10:08

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0	10.0	ug/L			09/03/25 15:59	1
Benzene	ND		1.00	0.500	ug/L			09/03/25 15:59	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 752-36232-1

Client Sample ID: MW-6
Date Collected: 08/26/25 15:20
Date Received: 08/27/25 10:08

Lab Sample ID: 752-36232-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		1.00	0.540	ug/L			09/03/25 15:59	1
Bromoform	ND		5.00	0.250	ug/L			09/03/25 15:59	1
Bromomethane	ND		1.00	0.980	ug/L			09/03/25 15:59	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			09/03/25 15:59	1
Carbon disulfide	ND		1.00	0.500	ug/L			09/03/25 15:59	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			09/03/25 15:59	1
Chlorobenzene	ND		1.00	0.420	ug/L			09/03/25 15:59	1
Chlorobromomethane	ND		1.00	0.520	ug/L			09/03/25 15:59	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			09/03/25 15:59	1
Chloroethane	ND		1.00	0.760	ug/L			09/03/25 15:59	1
Chloroform	ND		1.00	0.900	ug/L			09/03/25 15:59	1
Chloromethane	ND		1.00	0.400	ug/L			09/03/25 15:59	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			09/03/25 15:59	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			09/03/25 15:59	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			09/03/25 15:59	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			09/03/25 15:59	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			09/03/25 15:59	1
Dibromomethane	ND		5.00	0.220	ug/L			09/03/25 15:59	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			09/03/25 15:59	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			09/03/25 15:59	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			09/03/25 15:59	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			09/03/25 15:59	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			09/03/25 15:59	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			09/03/25 15:59	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			09/03/25 15:59	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 15:59	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 15:59	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 15:59	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			09/03/25 15:59	1
Ethyl acetate	ND		10.0	6.14	ug/L			09/03/25 15:59	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/03/25 15:59	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			09/03/25 15:59	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			09/03/25 15:59	1
Hexane	ND		1.00	0.960	ug/L			09/03/25 15:59	1
2-Hexanone	ND		25.0	4.26	ug/L			09/03/25 15:59	1
Iodomethane	ND		1.00	0.900	ug/L			09/03/25 15:59	1
Isopropylbenzene	ND		1.00	0.530	ug/L			09/03/25 15:59	1
Isopropyl ether	ND		1.00	0.740	ug/L			09/03/25 15:59	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			09/03/25 15:59	1
Methylene Chloride	ND		5.00	3.00	ug/L			09/03/25 15:59	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			09/03/25 15:59	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			09/03/25 15:59	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			09/03/25 15:59	1
Naphthalene	ND		5.00	3.00	ug/L			09/03/25 15:59	1
n-Butylbenzene	ND	*+	1.00	0.760	ug/L			09/03/25 15:59	1
n-Heptane	ND		1.00	0.210	ug/L			09/03/25 15:59	1
N-Propylbenzene	ND		1.00	0.690	ug/L			09/03/25 15:59	1
o-Xylene	ND		5.00	3.00	ug/L			09/03/25 15:59	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			09/03/25 15:59	1

Client Sample ID: MW-6
Date Collected: 08/26/25 15:20
Date Received: 08/27/25 10:08

Lab Sample ID: 752-36232-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.00	1.00	ug/L			09/03/25 15:59	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			09/03/25 15:59	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			09/03/25 15:59	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			09/03/25 15:59	1
Tetrachloroethene	ND		1.00	0.330	ug/L			09/03/25 15:59	1
Toluene	ND		1.00	0.900	ug/L			09/03/25 15:59	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			09/03/25 15:59	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			09/03/25 15:59	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			09/03/25 15:59	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			09/03/25 15:59	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			09/03/25 15:59	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			09/03/25 15:59	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			09/03/25 15:59	1
Trichloroethene	ND		1.00	0.150	ug/L			09/03/25 15:59	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			09/03/25 15:59	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			09/03/25 15:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			09/03/25 15:59	1
1,2,4-Trimethylbenzene	ND	*+	1.00	0.820	ug/L			09/03/25 15:59	1
1,3,5-Trimethylbenzene	ND	*+	1.00	0.560	ug/L			09/03/25 15:59	1
Vinyl acetate	ND		25.0	0.930	ug/L			09/03/25 15:59	1
Vinyl chloride	ND		1.00	0.500	ug/L			09/03/25 15:59	1
Xylenes, Total	ND		10.0	6.00	ug/L			09/03/25 15:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*56 - 136*		*09/03/25 15:59*	*1*
Dibromofluoromethane	*102*		*79 - 130*		*09/03/25 15:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*59 - 146*		*09/03/25 15:59*	*1*
Toluene-d8 (Surr)	*105*		*64 - 132*		*09/03/25 15:59*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.303	0.303	ug/L		08/28/25 07:00	08/29/25 22:41	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*19*		*10 - 140*	*08/28/25 07:00*	*08/29/25 22:41*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.97	0.419	ug/L		08/29/25 07:00	08/29/25 19:53	1
2,4,5-Trichlorophenol	ND		9.97	0.538	ug/L		08/29/25 07:00	08/29/25 19:53	1
2,4,6-Trichlorophenol	ND		9.97	1.09	ug/L		08/29/25 07:00	08/29/25 19:53	1
2,4-Dichlorophenol	ND		9.97	0.568	ug/L		08/29/25 07:00	08/29/25 19:53	1
2,4-Dimethylphenol	ND		9.97	0.239	ug/L		08/29/25 07:00	08/29/25 19:53	1
2,4-Dinitrophenol	ND	*- *1	29.9	4.66	ug/L		08/29/25 07:00	08/29/25 19:53	1
2,4-Dinitrotoluene	ND		9.97	0.648	ug/L		08/29/25 07:00	08/29/25 19:53	1
2,6-Dinitrotoluene	ND		9.97	0.289	ug/L		08/29/25 07:00	08/29/25 19:53	1
2-Chloronaphthalene	ND		9.97	0.379	ug/L		08/29/25 07:00	08/29/25 19:53	1
2-Chlorophenol	ND		9.97	0.837	ug/L		08/29/25 07:00	08/29/25 19:53	1
2-Methylnaphthalene	ND		9.97	0.807	ug/L		08/29/25 07:00	08/29/25 19:53	1
2-Methylphenol	ND		9.97	0.757	ug/L		08/29/25 07:00	08/29/25 19:53	1
2-Nitroaniline	ND		9.97	1.37	ug/L		08/29/25 07:00	08/29/25 19:53	1

Client Sample ID: MW-6
Date Collected: 08/26/25 15:20
Date Received: 08/27/25 10:08

Lab Sample ID: 752-36232-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	ND		9.97	1.17	ug/L		08/29/25 07:00	08/29/25 19:53	1
3 & 4 Methylphenol	ND		19.9	4.58	ug/L		08/29/25 07:00	08/29/25 19:53	1
3,3'-Dichlorobenzidine	ND		11.0	0.409	ug/L		08/29/25 07:00	08/29/25 19:53	1
3-Nitroaniline	ND		9.97	0.947	ug/L		08/29/25 07:00	08/29/25 19:53	1
4,6-Dinitro-2-methylphenol	ND		9.97	1.96	ug/L		08/29/25 07:00	08/29/25 19:53	1
4-Bromophenyl phenyl ether	ND		9.97	0.130	ug/L		08/29/25 07:00	08/29/25 19:53	1
4-Chloro-3-methylphenol	ND		9.97	0.728	ug/L		08/29/25 07:00	08/29/25 19:53	1
4-Chloroaniline	ND		9.97	0.578	ug/L		08/29/25 07:00	08/29/25 19:53	1
4-Chlorophenyl phenyl ether	ND		9.97	0.239	ug/L		08/29/25 07:00	08/29/25 19:53	1
4-Nitroaniline	ND		9.97	3.49	ug/L		08/29/25 07:00	08/29/25 19:53	1
4-Nitrophenol	ND		9.97	2.73	ug/L		08/29/25 07:00	08/29/25 19:53	1
Acenaphthene	ND		9.97	0.628	ug/L		08/29/25 07:00	08/29/25 19:53	1
Acenaphthylene	ND		9.97	0.757	ug/L		08/29/25 07:00	08/29/25 19:53	1
Acetophenone	ND		9.97	3.19	ug/L		08/29/25 07:00	08/29/25 19:53	1
Anthracene	ND		9.97	0.907	ug/L		08/29/25 07:00	08/29/25 19:53	1
Atrazine	ND		9.97	1.13	ug/L		08/29/25 07:00	08/29/25 19:53	1
Benzaldehyde	ND		9.97	0.668	ug/L		08/29/25 07:00	08/29/25 19:53	1
Benzo[a]anthracene	ND		9.97	0.997	ug/L		08/29/25 07:00	08/29/25 19:53	1
Benzo[a]pyrene	ND		9.97	1.10	ug/L		08/29/25 07:00	08/29/25 19:53	1
Benzo[b]fluoranthene	ND		9.97	1.20	ug/L		08/29/25 07:00	08/29/25 19:53	1
Benzo[g,h,i]perylene	ND		9.97	1.50	ug/L		08/29/25 07:00	08/29/25 19:53	1
Benzo[k]fluoranthene	ND		9.97	1.50	ug/L		08/29/25 07:00	08/29/25 19:53	1
bis (2-chloroisopropyl) ether	ND		9.97	0.927	ug/L		08/29/25 07:00	08/29/25 19:53	1
Bis(2-chloroethoxy)methane	ND		9.97	0.339	ug/L		08/29/25 07:00	08/29/25 19:53	1
Bis(2-chloroethyl)ether	ND		9.97	0.728	ug/L		08/29/25 07:00	08/29/25 19:53	1
Bis(2-ethylhexyl) phthalate	ND		9.97	3.99	ug/L		08/29/25 07:00	08/29/25 19:53	1
Butyl benzyl phthalate	ND		9.97	3.99	ug/L		08/29/25 07:00	08/29/25 19:53	1
Caprolactam	ND	*+	9.97	2.39	ug/L		08/29/25 07:00	08/29/25 19:53	1
Carbazole	ND		9.97	0.319	ug/L		08/29/25 07:00	08/29/25 19:53	1
Chrysene	ND		9.97	1.20	ug/L		08/29/25 07:00	08/29/25 19:53	1
Dibenz(a,h)anthracene	ND		9.97	1.30	ug/L		08/29/25 07:00	08/29/25 19:53	1
Dibenzofuran	ND		9.97	0.638	ug/L		08/29/25 07:00	08/29/25 19:53	1
Diethyl phthalate	ND		9.97	3.99	ug/L		08/29/25 07:00	08/29/25 19:53	1
Dimethyl phthalate	ND		9.97	3.99	ug/L		08/29/25 07:00	08/29/25 19:53	1
Di-n-butyl phthalate	ND		9.97	8.16	ug/L		08/29/25 07:00	08/29/25 19:53	1
Di-n-octyl phthalate	ND		9.97	3.99	ug/L		08/29/25 07:00	08/29/25 19:53	1
Fluoranthene	ND		9.97	0.628	ug/L		08/29/25 07:00	08/29/25 19:53	1
Fluorene	ND		9.97	0.668	ug/L		08/29/25 07:00	08/29/25 19:53	1
Hexachlorobenzene	ND		9.97	0.249	ug/L		08/29/25 07:00	08/29/25 19:53	1
Hexachlorobutadiene	ND		9.97	0.548	ug/L		08/29/25 07:00	08/29/25 19:53	1
Hexachlorocyclopentadiene	ND		19.9	0.319	ug/L		08/29/25 07:00	08/29/25 19:53	1
Hexachloroethane	ND		9.97	0.528	ug/L		08/29/25 07:00	08/29/25 19:53	1
Indeno[1,2,3-cd]pyrene	ND		9.97	1.10	ug/L		08/29/25 07:00	08/29/25 19:53	1
Isophorone	ND		9.97	0.797	ug/L		08/29/25 07:00	08/29/25 19:53	1
Naphthalene	ND		9.97	0.748	ug/L		08/29/25 07:00	08/29/25 19:53	1
Nitrobenzene	ND		9.97	0.598	ug/L		08/29/25 07:00	08/29/25 19:53	1
N-Nitrosodi-n-propylamine	ND		9.97	0.329	ug/L		08/29/25 07:00	08/29/25 19:53	1
N-Nitrosodiphenylamine	ND		9.97	0.189	ug/L		08/29/25 07:00	08/29/25 19:53	1
Pentachlorophenol	ND		9.97	2.79	ug/L		08/29/25 07:00	08/29/25 19:53	1

Client Sample ID: MW-6

Lab Sample ID: 752-36232-2

Date Collected: 08/26/25 15:20

Matrix: Water

Date Received: 08/27/25 10:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		9.97	0.738	ug/L		08/29/25 07:00	08/29/25 19:53	1
Phenol	ND		9.97	0.678	ug/L		08/29/25 07:00	08/29/25 19:53	1
Pyrene	ND		9.97	0.628	ug/L		08/29/25 07:00	08/29/25 19:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*58*		*10 - 150*	*08/29/25 07:00*	*08/29/25 19:53*	*1*
2-Fluorobiphenyl (Surr)	*69*		*25 - 139*	*08/29/25 07:00*	*08/29/25 19:53*	*1*
2-Fluorophenol (Surr)	*69*		*10 - 150*	*08/29/25 07:00*	*08/29/25 19:53*	*1*
Nitrobenzene-d5 (Surr)	*83*		*22 - 150*	*08/29/25 07:00*	*08/29/25 19:53*	*1*
Phenol-d5 (Surr)	*73*		*10 - 150*	*08/29/25 07:00*	*08/29/25 19:53*	*1*
Terphenyl-d14 (Surr)	*48*		*28 - 150*	*08/29/25 07:00*	*08/29/25 19:53*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	2.45	ug/L		09/02/25 12:35	09/04/25 01:50	1
Arsenic	ND		5.00	1.32	ug/L		09/02/25 12:35	09/04/25 01:50	1
Barium	**226**		10.0	0.410	ug/L		09/02/25 12:35	09/16/25 18:13	1
Beryllium	ND		1.00	0.147	ug/L		09/02/25 12:35	09/04/25 01:50	1
Cadmium	ND		0.700	0.237	ug/L		09/02/25 12:35	09/04/25 01:50	1
Chromium	ND		5.00	3.69	ug/L		09/02/25 12:35	09/04/25 01:50	1
Cobalt	ND		5.00	0.411	ug/L		09/02/25 12:35	09/04/25 01:50	1
Copper	**1.47**	**J**	2.00	0.642	ug/L		09/02/25 12:35	09/04/25 01:50	1
Lead	ND		1.00	0.864	ug/L		09/02/25 12:35	09/04/25 01:50	1
Manganese	**56.6**		5.00	1.29	ug/L		09/02/25 12:35	09/04/25 01:50	1
Nickel	**0.779**	**J**	5.00	0.422	ug/L		09/02/25 12:35	09/04/25 01:50	1
Selenium	ND		5.00	2.29	ug/L		09/02/25 12:35	09/04/25 01:50	1
Silver	ND		1.00	0.167	ug/L		09/02/25 12:35	09/04/25 01:50	1
Thallium	ND		1.00	0.190	ug/L		09/02/25 12:35	09/04/25 01:50	1
Vanadium	**1.67**	**J**	5.00	1.22	ug/L		09/02/25 12:35	09/04/25 01:50	1
Zinc	ND		10.0	8.91	ug/L		09/02/25 12:35	09/04/25 01:50	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.166	ug/L		09/09/25 14:35	09/09/25 22:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (EPA 350.1)	ND		0.0500	0.0200	mg/L			09/03/25 10:48	1
Nitrate as N (SM Nitrate by calc)	**0.0411**	**J**	0.100	0.0250	mg/L			09/02/25 11:27	1
Sulfate (SM 4500 SO4 E)	**56.5**		10.0	2.80	mg/L			09/08/25 11:22	2

Client Sample ID: MW-7

Lab Sample ID: 752-36232-3

Date Collected: 08/26/25 13:45

Matrix: Water

Date Received: 08/27/25 10:08

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0	10.0	ug/L			09/03/25 16:19	1
Benzene	ND		1.00	0.500	ug/L			09/03/25 16:19	1
Bromobenzene	ND		1.00	0.540	ug/L			09/03/25 16:19	1
Bromoform	ND		5.00	0.250	ug/L			09/03/25 16:19	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 752-36232-1

Client Sample ID: MW-7
Date Collected: 08/26/25 13:45
Date Received: 08/27/25 10:08

Lab Sample ID: 752-36232-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		1.00	0.980	ug/L			09/03/25 16:19	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			09/03/25 16:19	1
Carbon disulfide	ND		1.00	0.500	ug/L			09/03/25 16:19	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			09/03/25 16:19	1
Chlorobenzene	ND		1.00	0.420	ug/L			09/03/25 16:19	1
Chlorobromomethane	ND		1.00	0.520	ug/L			09/03/25 16:19	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			09/03/25 16:19	1
Chloroethane	ND		1.00	0.760	ug/L			09/03/25 16:19	1
Chloroform	ND		1.00	0.900	ug/L			09/03/25 16:19	1
Chloromethane	ND		1.00	0.400	ug/L			09/03/25 16:19	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			09/03/25 16:19	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			09/03/25 16:19	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			09/03/25 16:19	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			09/03/25 16:19	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			09/03/25 16:19	1
Dibromomethane	ND		5.00	0.220	ug/L			09/03/25 16:19	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			09/03/25 16:19	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			09/03/25 16:19	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			09/03/25 16:19	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			09/03/25 16:19	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			09/03/25 16:19	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			09/03/25 16:19	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			09/03/25 16:19	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 16:19	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 16:19	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 16:19	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			09/03/25 16:19	1
Ethyl acetate	ND		10.0	6.14	ug/L			09/03/25 16:19	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/03/25 16:19	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			09/03/25 16:19	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			09/03/25 16:19	1
Hexane	ND		1.00	0.960	ug/L			09/03/25 16:19	1
2-Hexanone	ND		25.0	4.26	ug/L			09/03/25 16:19	1
Iodomethane	ND		1.00	0.900	ug/L			09/03/25 16:19	1
Isopropylbenzene	ND		1.00	0.530	ug/L			09/03/25 16:19	1
Isopropyl ether	ND		1.00	0.740	ug/L			09/03/25 16:19	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			09/03/25 16:19	1
Methylene Chloride	ND		5.00	3.00	ug/L			09/03/25 16:19	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			09/03/25 16:19	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			09/03/25 16:19	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			09/03/25 16:19	1
Naphthalene	ND		5.00	3.00	ug/L			09/03/25 16:19	1
n-Butylbenzene	ND	*+	1.00	0.760	ug/L			09/03/25 16:19	1
n-Heptane	ND		1.00	0.210	ug/L			09/03/25 16:19	1
N-Propylbenzene	ND		1.00	0.690	ug/L			09/03/25 16:19	1
o-Xylene	ND		5.00	3.00	ug/L			09/03/25 16:19	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			09/03/25 16:19	1
Styrene	ND		1.00	1.00	ug/L			09/03/25 16:19	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			09/03/25 16:19	1

Client Sample ID: MW-7
Date Collected: 08/26/25 13:45
Date Received: 08/27/25 10:08

Lab Sample ID: 752-36232-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			09/03/25 16:19	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			09/03/25 16:19	1
Tetrachloroethene	ND		1.00	0.330	ug/L			09/03/25 16:19	1
Toluene	ND		1.00	0.900	ug/L			09/03/25 16:19	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			09/03/25 16:19	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			09/03/25 16:19	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			09/03/25 16:19	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			09/03/25 16:19	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			09/03/25 16:19	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			09/03/25 16:19	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			09/03/25 16:19	1
Trichloroethene	ND		1.00	0.150	ug/L			09/03/25 16:19	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			09/03/25 16:19	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			09/03/25 16:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			09/03/25 16:19	1
1,2,4-Trimethylbenzene	ND	*+	1.00	0.820	ug/L			09/03/25 16:19	1
1,3,5-Trimethylbenzene	ND	*+	1.00	0.560	ug/L			09/03/25 16:19	1
Vinyl acetate	ND		25.0	0.930	ug/L			09/03/25 16:19	1
Vinyl chloride	ND		1.00	0.500	ug/L			09/03/25 16:19	1
Xylenes, Total	ND		10.0	6.00	ug/L			09/03/25 16:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*56 - 136*		*09/03/25 16:19*	*1*
Dibromofluoromethane	*99*		*79 - 130*		*09/03/25 16:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*59 - 146*		*09/03/25 16:19*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*09/03/25 16:19*	*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		0.308	0.308	ug/L		08/28/25 07:00	08/29/25 23:03	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*21*		*10 - 140*	*08/28/25 07:00*	*08/29/25 23:03*	*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		08/29/25 07:00	08/29/25 20:22	1
2,4,5-Trichlorophenol	ND		9.87	0.533	ug/L		08/29/25 07:00	08/29/25 20:22	1
2,4,6-Trichlorophenol	ND		9.87	1.08	ug/L		08/29/25 07:00	08/29/25 20:22	1
2,4-Dichlorophenol	ND		9.87	0.563	ug/L		08/29/25 07:00	08/29/25 20:22	1
2,4-Dimethylphenol	ND		9.87	0.237	ug/L		08/29/25 07:00	08/29/25 20:22	1
2,4-Dinitrophenol	ND	*- *1	29.6	4.62	ug/L		08/29/25 07:00	08/29/25 20:22	1
2,4-Dinitrotoluene	ND		9.87	0.641	ug/L		08/29/25 07:00	08/29/25 20:22	1
2,6-Dinitrotoluene	ND		9.87	0.286	ug/L		08/29/25 07:00	08/29/25 20:22	1
2-Chloronaphthalene	ND		9.87	0.375	ug/L		08/29/25 07:00	08/29/25 20:22	1
2-Chlorophenol	ND		9.87	0.829	ug/L		08/29/25 07:00	08/29/25 20:22	1
2-Methylnaphthalene	ND		9.87	0.799	ug/L		08/29/25 07:00	08/29/25 20:22	1
2-Methylphenol	ND		9.87	0.750	ug/L		08/29/25 07:00	08/29/25 20:22	1
2-Nitroaniline	ND		9.87	1.35	ug/L		08/29/25 07:00	08/29/25 20:22	1
2-Nitrophenol	ND		9.87	1.15	ug/L		08/29/25 07:00	08/29/25 20:22	1
3 & 4 Methylphenol	ND		19.7	4.54	ug/L		08/29/25 07:00	08/29/25 20:22	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 752-36232-1

Client Sample ID: MW-7
Date Collected: 08/26/25 13:45
Date Received: 08/27/25 10:08

Lab Sample ID: 752-36232-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	ND		10.9	0.405	ug/L		08/29/25 07:00	08/29/25 20:22	1
3-Nitroaniline	ND		9.87	0.938	ug/L		08/29/25 07:00	08/29/25 20:22	1
4,6-Dinitro-2-methylphenol	ND		9.87	1.94	ug/L		08/29/25 07:00	08/29/25 20:22	1
4-Bromophenyl phenyl ether	ND		9.87	0.128	ug/L		08/29/25 07:00	08/29/25 20:22	1
4-Chloro-3-methylphenol	ND		9.87	0.720	ug/L		08/29/25 07:00	08/29/25 20:22	1
4-Chloroaniline	ND		9.87	0.572	ug/L		08/29/25 07:00	08/29/25 20:22	1
4-Chlorophenyl phenyl ether	ND		9.87	0.237	ug/L		08/29/25 07:00	08/29/25 20:22	1
4-Nitroaniline	ND		9.87	3.45	ug/L		08/29/25 07:00	08/29/25 20:22	1
4-Nitrophenol	ND		9.87	2.70	ug/L		08/29/25 07:00	08/29/25 20:22	1
Acenaphthene	ND		9.87	0.622	ug/L		08/29/25 07:00	08/29/25 20:22	1
Acenaphthylene	ND		9.87	0.750	ug/L		08/29/25 07:00	08/29/25 20:22	1
Acetophenone	ND		9.87	3.16	ug/L		08/29/25 07:00	08/29/25 20:22	1
Anthracene	ND		9.87	0.898	ug/L		08/29/25 07:00	08/29/25 20:22	1
Atrazine	ND		9.87	1.12	ug/L		08/29/25 07:00	08/29/25 20:22	1
Benzaldehyde	ND		9.87	0.661	ug/L		08/29/25 07:00	08/29/25 20:22	1
Benzo[a]anthracene	ND		9.87	0.987	ug/L		08/29/25 07:00	08/29/25 20:22	1
Benzo[a]pyrene	ND		9.87	1.09	ug/L		08/29/25 07:00	08/29/25 20:22	1
Benzo[b]fluoranthene	ND		9.87	1.18	ug/L		08/29/25 07:00	08/29/25 20:22	1
Benzo[g,h,i]perylene	ND		9.87	1.48	ug/L		08/29/25 07:00	08/29/25 20:22	1
Benzo[k]fluoranthene	ND		9.87	1.48	ug/L		08/29/25 07:00	08/29/25 20:22	1
bis (2-chloroisopropyl) ether	ND		9.87	0.918	ug/L		08/29/25 07:00	08/29/25 20:22	1
Bis(2-chloroethoxy)methane	ND		9.87	0.336	ug/L		08/29/25 07:00	08/29/25 20:22	1
Bis(2-chloroethyl)ether	ND		9.87	0.720	ug/L		08/29/25 07:00	08/29/25 20:22	1
Bis(2-ethylhexyl) phthalate	ND		9.87	3.95	ug/L		08/29/25 07:00	08/29/25 20:22	1
Butyl benzyl phthalate	ND		9.87	3.95	ug/L		08/29/25 07:00	08/29/25 20:22	1
Caprolactam	**3.86**	**J *+**	9.87	2.37	ug/L		08/29/25 07:00	08/29/25 20:22	1
Carbazole	ND		9.87	0.316	ug/L		08/29/25 07:00	08/29/25 20:22	1
Chrysene	ND		9.87	1.18	ug/L		08/29/25 07:00	08/29/25 20:22	1
Dibenz(a,h)anthracene	ND		9.87	1.28	ug/L		08/29/25 07:00	08/29/25 20:22	1
Dibenzofuran	ND		9.87	0.632	ug/L		08/29/25 07:00	08/29/25 20:22	1
Diethyl phthalate	ND		9.87	3.95	ug/L		08/29/25 07:00	08/29/25 20:22	1
Dimethyl phthalate	ND		9.87	3.95	ug/L		08/29/25 07:00	08/29/25 20:22	1
Di-n-butyl phthalate	ND		9.87	8.08	ug/L		08/29/25 07:00	08/29/25 20:22	1
Di-n-octyl phthalate	ND		9.87	3.95	ug/L		08/29/25 07:00	08/29/25 20:22	1
Fluoranthene	ND		9.87	0.622	ug/L		08/29/25 07:00	08/29/25 20:22	1
Fluorene	ND		9.87	0.661	ug/L		08/29/25 07:00	08/29/25 20:22	1
Hexachlorobenzene	ND		9.87	0.247	ug/L		08/29/25 07:00	08/29/25 20:22	1
Hexachlorobutadiene	ND		9.87	0.543	ug/L		08/29/25 07:00	08/29/25 20:22	1
Hexachlorocyclopentadiene	ND		19.7	0.316	ug/L		08/29/25 07:00	08/29/25 20:22	1
Hexachloroethane	ND		9.87	0.523	ug/L		08/29/25 07:00	08/29/25 20:22	1
Indeno[1,2,3-cd]pyrene	ND		9.87	1.09	ug/L		08/29/25 07:00	08/29/25 20:22	1
Isophorone	ND		9.87	0.789	ug/L		08/29/25 07:00	08/29/25 20:22	1
Naphthalene	ND		9.87	0.740	ug/L		08/29/25 07:00	08/29/25 20:22	1
Nitrobenzene	ND		9.87	0.592	ug/L		08/29/25 07:00	08/29/25 20:22	1
N-Nitrosodi-n-propylamine	ND		9.87	0.326	ug/L		08/29/25 07:00	08/29/25 20:22	1
N-Nitrosodiphenylamine	ND		9.87	0.188	ug/L		08/29/25 07:00	08/29/25 20:22	1
Pentachlorophenol	ND		9.87	2.76	ug/L		08/29/25 07:00	08/29/25 20:22	1
Phenanthrene	ND		9.87	0.730	ug/L		08/29/25 07:00	08/29/25 20:22	1
Phenol	ND		9.87	0.671	ug/L		08/29/25 07:00	08/29/25 20:22	1

Client Sample ID: MW-7

Lab Sample ID: 752-36232-3

Date Collected: 08/26/25 13:45

Matrix: Water

Date Received: 08/27/25 10:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	ND		9.87	0.622	ug/L		08/29/25 07:00	08/29/25 20:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*55*		*10 - 150*	*08/29/25 07:00*	*08/29/25 20:22*	*1*
2-Fluorobiphenyl (Surr)	*67*		*25 - 139*	*08/29/25 07:00*	*08/29/25 20:22*	*1*
2-Fluorophenol (Surr)	*68*		*10 - 150*	*08/29/25 07:00*	*08/29/25 20:22*	*1*
Nitrobenzene-d5 (Surr)	*79*		*22 - 150*	*08/29/25 07:00*	*08/29/25 20:22*	*1*
Phenol-d5 (Surr)	*70*		*10 - 150*	*08/29/25 07:00*	*08/29/25 20:22*	*1*
Terphenyl-d14 (Surr)	*40*		*28 - 150*	*08/29/25 07:00*	*08/29/25 20:22*	*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		09/02/25 12:35	09/04/25 01:53	1
Arsenic	ND		5.00	1.32	ug/L		09/02/25 12:35	09/04/25 01:53	1
Barium	**95.2**		10.0	0.410	ug/L		09/02/25 12:35	09/04/25 01:53	1
Beryllium	ND		1.00	0.147	ug/L		09/02/25 12:35	09/04/25 01:53	1
Cadmium	ND		0.700	0.237	ug/L		09/02/25 12:35	09/04/25 01:53	1
Chromium	ND		5.00	3.69	ug/L		09/02/25 12:35	09/04/25 01:53	1
Cobalt	ND		5.00	0.411	ug/L		09/02/25 12:35	09/04/25 01:53	1
Copper	**0.774**	**J**	2.00	0.642	ug/L		09/02/25 12:35	09/04/25 01:53	1
Lead	ND		1.00	0.864	ug/L		09/02/25 12:35	09/04/25 01:53	1
Manganese	**32.0**		5.00	1.29	ug/L		09/02/25 12:35	09/04/25 01:53	1
Nickel	**0.928**	**J**	5.00	0.422	ug/L		09/02/25 12:35	09/04/25 01:53	1
Selenium	ND		5.00	2.29	ug/L		09/02/25 12:35	09/04/25 01:53	1
Silver	ND		1.00	0.167	ug/L		09/02/25 12:35	09/04/25 01:53	1
Thallium	ND		1.00	0.190	ug/L		09/02/25 12:35	09/04/25 01:53	1
Vanadium	**8.03**		5.00	1.22	ug/L		09/02/25 12:35	09/04/25 01:53	1
Zinc	ND		10.0	8.91	ug/L		09/02/25 12:35	09/04/25 01:53	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.166	ug/L		09/10/25 14:39	09/10/25 20:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (EPA 350.1)	ND		0.0500	0.0200	mg/L			09/03/25 10:50	1
Nitrate as N (SM Nitrate by calc)	**0.178**		0.100	0.0250	mg/L			09/02/25 11:27	1
Sulfate (SM 4500 SO4 E)	**7.44**		5.00	1.40	mg/L			09/08/25 11:22	1

Client Sample ID: A-MW-3

Lab Sample ID: 752-36232-4

Date Collected: 08/26/25 11:30

Matrix: Water

Date Received: 08/27/25 10:08

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0	10.0	ug/L			09/03/25 16:40	1
Benzene	ND		1.00	0.500	ug/L			09/03/25 16:40	1
Bromobenzene	ND		1.00	0.540	ug/L			09/03/25 16:40	1
Bromoform	ND		5.00	0.250	ug/L			09/03/25 16:40	1
Bromomethane	ND		1.00	0.980	ug/L			09/03/25 16:40	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			09/03/25 16:40	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 752-36232-1

Client Sample ID: A-MW-3
Date Collected: 08/26/25 11:30
Date Received: 08/27/25 10:08

Lab Sample ID: 752-36232-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		1.00	0.500	ug/L			09/03/25 16:40	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			09/03/25 16:40	1
Chlorobenzene	ND		1.00	0.420	ug/L			09/03/25 16:40	1
Chlorobromomethane	ND		1.00	0.520	ug/L			09/03/25 16:40	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			09/03/25 16:40	1
Chloroethane	ND		1.00	0.760	ug/L			09/03/25 16:40	1
Chloroform	ND		1.00	0.900	ug/L			09/03/25 16:40	1
Chloromethane	**0.400**	**J**	1.00	0.400	ug/L			09/03/25 16:40	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			09/03/25 16:40	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			09/03/25 16:40	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			09/03/25 16:40	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			09/03/25 16:40	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			09/03/25 16:40	1
Dibromomethane	ND		5.00	0.220	ug/L			09/03/25 16:40	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			09/03/25 16:40	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			09/03/25 16:40	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			09/03/25 16:40	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			09/03/25 16:40	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			09/03/25 16:40	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			09/03/25 16:40	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			09/03/25 16:40	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 16:40	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 16:40	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 16:40	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			09/03/25 16:40	1
Ethyl acetate	ND		10.0	6.14	ug/L			09/03/25 16:40	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/03/25 16:40	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			09/03/25 16:40	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			09/03/25 16:40	1
Hexane	ND		1.00	0.960	ug/L			09/03/25 16:40	1
2-Hexanone	ND		25.0	4.26	ug/L			09/03/25 16:40	1
Iodomethane	ND		1.00	0.900	ug/L			09/03/25 16:40	1
Isopropylbenzene	ND		1.00	0.530	ug/L			09/03/25 16:40	1
Isopropyl ether	ND		1.00	0.740	ug/L			09/03/25 16:40	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			09/03/25 16:40	1
Methylene Chloride	ND		5.00	3.00	ug/L			09/03/25 16:40	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			09/03/25 16:40	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			09/03/25 16:40	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			09/03/25 16:40	1
Naphthalene	ND		5.00	3.00	ug/L			09/03/25 16:40	1
n-Butylbenzene	ND	*+	1.00	0.760	ug/L			09/03/25 16:40	1
n-Heptane	ND		1.00	0.210	ug/L			09/03/25 16:40	1
N-Propylbenzene	ND		1.00	0.690	ug/L			09/03/25 16:40	1
o-Xylene	ND		5.00	3.00	ug/L			09/03/25 16:40	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			09/03/25 16:40	1
Styrene	ND		1.00	1.00	ug/L			09/03/25 16:40	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			09/03/25 16:40	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			09/03/25 16:40	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			09/03/25 16:40	1

Client Sample ID: A-MW-3
Date Collected: 08/26/25 11:30
Date Received: 08/27/25 10:08

Lab Sample ID: 752-36232-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		1.00	0.330	ug/L			09/03/25 16:40	1
Toluene	ND		1.00	0.900	ug/L			09/03/25 16:40	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			09/03/25 16:40	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			09/03/25 16:40	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			09/03/25 16:40	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			09/03/25 16:40	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			09/03/25 16:40	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			09/03/25 16:40	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			09/03/25 16:40	1
Trichloroethene	ND		1.00	0.150	ug/L			09/03/25 16:40	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			09/03/25 16:40	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			09/03/25 16:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			09/03/25 16:40	1
1,2,4-Trimethylbenzene	ND	*+	1.00	0.820	ug/L			09/03/25 16:40	1
1,3,5-Trimethylbenzene	ND	*+	1.00	0.560	ug/L			09/03/25 16:40	1
Vinyl acetate	ND		25.0	0.930	ug/L			09/03/25 16:40	1
Vinyl chloride	ND		1.00	0.500	ug/L			09/03/25 16:40	1
Xylenes, Total	ND		10.0	6.00	ug/L			09/03/25 16:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*56 - 136*		*09/03/25 16:40*	*1*
Dibromofluoromethane	*102*		*79 - 130*		*09/03/25 16:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*59 - 146*		*09/03/25 16:40*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*09/03/25 16:40*	*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		0.320	0.320	ug/L		08/28/25 07:00	08/29/25 23:25	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*26*		*10 - 140*	*08/28/25 07:00*	*08/29/25 23:25*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.97	0.419	ug/L		08/29/25 07:00	08/29/25 20:52	1
2,4,5-Trichlorophenol	ND		9.97	0.538	ug/L		08/29/25 07:00	08/29/25 20:52	1
2,4,6-Trichlorophenol	ND		9.97	1.09	ug/L		08/29/25 07:00	08/29/25 20:52	1
2,4-Dichlorophenol	ND		9.97	0.568	ug/L		08/29/25 07:00	08/29/25 20:52	1
2,4-Dimethylphenol	ND		9.97	0.239	ug/L		08/29/25 07:00	08/29/25 20:52	1
2,4-Dinitrophenol	ND	*- *1	29.9	4.66	ug/L		08/29/25 07:00	08/29/25 20:52	1
2,4-Dinitrotoluene	ND		9.97	0.648	ug/L		08/29/25 07:00	08/29/25 20:52	1
2,6-Dinitrotoluene	ND		9.97	0.289	ug/L		08/29/25 07:00	08/29/25 20:52	1
2-Chloronaphthalene	ND		9.97	0.379	ug/L		08/29/25 07:00	08/29/25 20:52	1
2-Chlorophenol	ND		9.97	0.837	ug/L		08/29/25 07:00	08/29/25 20:52	1
2-Methylnaphthalene	ND		9.97	0.807	ug/L		08/29/25 07:00	08/29/25 20:52	1
2-Methylphenol	ND		9.97	0.757	ug/L		08/29/25 07:00	08/29/25 20:52	1
2-Nitroaniline	ND		9.97	1.37	ug/L		08/29/25 07:00	08/29/25 20:52	1
2-Nitrophenol	ND		9.97	1.17	ug/L		08/29/25 07:00	08/29/25 20:52	1
3 & 4 Methylphenol	ND		19.9	4.58	ug/L		08/29/25 07:00	08/29/25 20:52	1
3,3'-Dichlorobenzidine	ND		11.0	0.409	ug/L		08/29/25 07:00	08/29/25 20:52	1
3-Nitroaniline	ND		9.97	0.947	ug/L		08/29/25 07:00	08/29/25 20:52	1

Client Sample ID: A-MW-3
Date Collected: 08/26/25 11:30
Date Received: 08/27/25 10:08

Lab Sample ID: 752-36232-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,6-Dinitro-2-methylphenol	ND		9.97	1.96	ug/L		08/29/25 07:00	08/29/25 20:52	1
4-Bromophenyl phenyl ether	ND		9.97	0.130	ug/L		08/29/25 07:00	08/29/25 20:52	1
4-Chloro-3-methylphenol	ND		9.97	0.728	ug/L		08/29/25 07:00	08/29/25 20:52	1
4-Chloroaniline	ND		9.97	0.578	ug/L		08/29/25 07:00	08/29/25 20:52	1
4-Chlorophenyl phenyl ether	ND		9.97	0.239	ug/L		08/29/25 07:00	08/29/25 20:52	1
4-Nitroaniline	ND		9.97	3.49	ug/L		08/29/25 07:00	08/29/25 20:52	1
4-Nitrophenol	ND		9.97	2.73	ug/L		08/29/25 07:00	08/29/25 20:52	1
Acenaphthene	ND		9.97	0.628	ug/L		08/29/25 07:00	08/29/25 20:52	1
Acenaphthylene	ND		9.97	0.757	ug/L		08/29/25 07:00	08/29/25 20:52	1
Acetophenone	ND		9.97	3.19	ug/L		08/29/25 07:00	08/29/25 20:52	1
Anthracene	ND		9.97	0.907	ug/L		08/29/25 07:00	08/29/25 20:52	1
Atrazine	ND		9.97	1.13	ug/L		08/29/25 07:00	08/29/25 20:52	1
Benzaldehyde	ND		9.97	0.668	ug/L		08/29/25 07:00	08/29/25 20:52	1
Benzo[a]anthracene	ND		9.97	0.997	ug/L		08/29/25 07:00	08/29/25 20:52	1
Benzo[a]pyrene	ND		9.97	1.10	ug/L		08/29/25 07:00	08/29/25 20:52	1
Benzo[b]fluoranthene	ND		9.97	1.20	ug/L		08/29/25 07:00	08/29/25 20:52	1
Benzo[g,h,i]perylene	ND		9.97	1.50	ug/L		08/29/25 07:00	08/29/25 20:52	1
Benzo[k]fluoranthene	ND		9.97	1.50	ug/L		08/29/25 07:00	08/29/25 20:52	1
bis (2-chloroisopropyl) ether	ND		9.97	0.927	ug/L		08/29/25 07:00	08/29/25 20:52	1
Bis(2-chloroethoxy)methane	ND		9.97	0.339	ug/L		08/29/25 07:00	08/29/25 20:52	1
Bis(2-chloroethyl)ether	ND		9.97	0.728	ug/L		08/29/25 07:00	08/29/25 20:52	1
Bis(2-ethylhexyl) phthalate	ND		9.97	3.99	ug/L		08/29/25 07:00	08/29/25 20:52	1
Butyl benzyl phthalate	ND		9.97	3.99	ug/L		08/29/25 07:00	08/29/25 20:52	1
Caprolactam	**7.17**	**J *+**	9.97	2.39	ug/L		08/29/25 07:00	08/29/25 20:52	1
Carbazole	ND		9.97	0.319	ug/L		08/29/25 07:00	08/29/25 20:52	1
Chrysene	ND		9.97	1.20	ug/L		08/29/25 07:00	08/29/25 20:52	1
Dibenz(a,h)anthracene	ND		9.97	1.30	ug/L		08/29/25 07:00	08/29/25 20:52	1
Dibenzofuran	ND		9.97	0.638	ug/L		08/29/25 07:00	08/29/25 20:52	1
Diethyl phthalate	ND		9.97	3.99	ug/L		08/29/25 07:00	08/29/25 20:52	1
Dimethyl phthalate	ND		9.97	3.99	ug/L		08/29/25 07:00	08/29/25 20:52	1
Di-n-butyl phthalate	ND		9.97	8.16	ug/L		08/29/25 07:00	08/29/25 20:52	1
Di-n-octyl phthalate	ND		9.97	3.99	ug/L		08/29/25 07:00	08/29/25 20:52	1
Fluoranthene	ND		9.97	0.628	ug/L		08/29/25 07:00	08/29/25 20:52	1
Fluorene	ND		9.97	0.668	ug/L		08/29/25 07:00	08/29/25 20:52	1
Hexachlorobenzene	ND		9.97	0.249	ug/L		08/29/25 07:00	08/29/25 20:52	1
Hexachlorobutadiene	ND		9.97	0.548	ug/L		08/29/25 07:00	08/29/25 20:52	1
Hexachlorocyclopentadiene	ND		19.9	0.319	ug/L		08/29/25 07:00	08/29/25 20:52	1
Hexachloroethane	ND		9.97	0.528	ug/L		08/29/25 07:00	08/29/25 20:52	1
Indeno[1,2,3-cd]pyrene	ND		9.97	1.10	ug/L		08/29/25 07:00	08/29/25 20:52	1
Isophorone	ND		9.97	0.797	ug/L		08/29/25 07:00	08/29/25 20:52	1
Naphthalene	ND		9.97	0.748	ug/L		08/29/25 07:00	08/29/25 20:52	1
Nitrobenzene	ND		9.97	0.598	ug/L		08/29/25 07:00	08/29/25 20:52	1
N-Nitrosodi-n-propylamine	ND		9.97	0.329	ug/L		08/29/25 07:00	08/29/25 20:52	1
N-Nitrosodiphenylamine	ND		9.97	0.189	ug/L		08/29/25 07:00	08/29/25 20:52	1
Pentachlorophenol	ND		9.97	2.79	ug/L		08/29/25 07:00	08/29/25 20:52	1
Phenanthrene	ND		9.97	0.738	ug/L		08/29/25 07:00	08/29/25 20:52	1
Phenol	ND		9.97	0.678	ug/L		08/29/25 07:00	08/29/25 20:52	1
Pyrene	ND		9.97	0.628	ug/L		08/29/25 07:00	08/29/25 20:52	1

Client Sample ID: A-MW-3

Lab Sample ID: 752-36232-4

Date Collected: 08/26/25 11:30

Matrix: Water

Date Received: 08/27/25 10:08

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*58*		*10 - 150*	*08/29/25 07:00*	*08/29/25 20:52*	*1*
2-Fluorobiphenyl (Surr)	*68*		*25 - 139*	*08/29/25 07:00*	*08/29/25 20:52*	*1*
2-Fluorophenol (Surr)	*74*		*10 - 150*	*08/29/25 07:00*	*08/29/25 20:52*	*1*
Nitrobenzene-d5 (Surr)	*83*		*22 - 150*	*08/29/25 07:00*	*08/29/25 20:52*	*1*
Phenol-d5 (Surr)	*76*		*10 - 150*	*08/29/25 07:00*	*08/29/25 20:52*	*1*
Terphenyl-d14 (Surr)	*47*		*28 - 150*	*08/29/25 07:00*	*08/29/25 20:52*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	2.45	ug/L		09/02/25 16:40	09/06/25 03:33	1
Arsenic	**5.52**		5.00	1.32	ug/L		09/02/25 16:40	09/06/25 03:33	1
Barium	**101**		10.0	0.410	ug/L		09/02/25 16:40	09/06/25 03:33	1
Beryllium	ND		1.00	0.147	ug/L		09/02/25 16:40	09/06/25 03:33	1
Cadmium	ND		0.700	0.237	ug/L		09/02/25 16:40	09/06/25 03:33	1
Chromium	ND		5.00	3.69	ug/L		09/02/25 16:40	09/06/25 03:33	1
Cobalt	**6.40**		5.00	0.411	ug/L		09/02/25 16:40	09/06/25 03:33	1
Copper	ND		2.00	0.642	ug/L		09/02/25 16:40	09/06/25 03:33	1
Lead	ND		1.00	0.864	ug/L		09/02/25 16:40	09/06/25 03:33	1
Manganese	**5570**		50.0	12.9	ug/L		09/02/25 16:40	09/11/25 21:29	10
Nickel	**1.74**	**J**	5.00	0.422	ug/L		09/02/25 16:40	09/06/25 03:33	1
Selenium	ND		5.00	2.29	ug/L		09/02/25 16:40	09/06/25 03:33	1
Silver	ND		1.00	0.167	ug/L		09/02/25 16:40	09/06/25 03:33	1
Thallium	ND		1.00	0.190	ug/L		09/02/25 16:40	09/06/25 03:33	1
Vanadium	ND		5.00	1.22	ug/L		09/02/25 16:40	09/06/25 03:33	1
Zinc	ND		10.0	8.91	ug/L		09/02/25 16:40	09/06/25 03:33	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		09/10/25 14:39	09/10/25 20:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (EPA 350.1)	**0.0684**		0.0500	0.0200	mg/L			09/03/25 10:51	1
Nitrate as N (SM Nitrate by calc)	ND		0.100	0.0250	mg/L			09/02/25 11:27	1
Sulfate (SM 4500 SO4 E)	**87.4**		25.0	7.00	mg/L			09/08/25 11:43	5

Client Sample ID: A-MW-4

Lab Sample ID: 752-36232-5

Date Collected: 08/26/25 10:35

Matrix: Water

Date Received: 08/27/25 10:08

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0	10.0	ug/L			09/03/25 17:01	1
Benzene	ND		1.00	0.500	ug/L			09/03/25 17:01	1
Bromobenzene	ND		1.00	0.540	ug/L			09/03/25 17:01	1
Bromoform	ND		5.00	0.250	ug/L			09/03/25 17:01	1
Bromomethane	ND		1.00	0.980	ug/L			09/03/25 17:01	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			09/03/25 17:01	1
Carbon disulfide	ND		1.00	0.500	ug/L			09/03/25 17:01	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			09/03/25 17:01	1
Chlorobenzene	ND		1.00	0.420	ug/L			09/03/25 17:01	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 752-36232-1

Client Sample ID: A-MW-4
Date Collected: 08/26/25 10:35
Date Received: 08/27/25 10:08

Lab Sample ID: 752-36232-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	ND		1.00	0.520	ug/L			09/03/25 17:01	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			09/03/25 17:01	1
Chloroethane	ND		1.00	0.760	ug/L			09/03/25 17:01	1
Chloroform	ND		1.00	0.900	ug/L			09/03/25 17:01	1
Chloromethane	ND		1.00	0.400	ug/L			09/03/25 17:01	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			09/03/25 17:01	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			09/03/25 17:01	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			09/03/25 17:01	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			09/03/25 17:01	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			09/03/25 17:01	1
Dibromomethane	ND		5.00	0.220	ug/L			09/03/25 17:01	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			09/03/25 17:01	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			09/03/25 17:01	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			09/03/25 17:01	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			09/03/25 17:01	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			09/03/25 17:01	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			09/03/25 17:01	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			09/03/25 17:01	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 17:01	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 17:01	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 17:01	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			09/03/25 17:01	1
Ethyl acetate	ND		10.0	6.14	ug/L			09/03/25 17:01	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/03/25 17:01	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			09/03/25 17:01	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			09/03/25 17:01	1
Hexane	ND		1.00	0.960	ug/L			09/03/25 17:01	1
2-Hexanone	ND		25.0	4.26	ug/L			09/03/25 17:01	1
Iodomethane	ND		1.00	0.900	ug/L			09/03/25 17:01	1
Isopropylbenzene	ND		1.00	0.530	ug/L			09/03/25 17:01	1
Isopropyl ether	ND		1.00	0.740	ug/L			09/03/25 17:01	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			09/03/25 17:01	1
Methylene Chloride	ND		5.00	3.00	ug/L			09/03/25 17:01	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			09/03/25 17:01	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			09/03/25 17:01	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			09/03/25 17:01	1
Naphthalene	ND		5.00	3.00	ug/L			09/03/25 17:01	1
n-Butylbenzene	ND	*+	1.00	0.760	ug/L			09/03/25 17:01	1
n-Heptane	ND		1.00	0.210	ug/L			09/03/25 17:01	1
N-Propylbenzene	ND		1.00	0.690	ug/L			09/03/25 17:01	1
o-Xylene	ND		5.00	3.00	ug/L			09/03/25 17:01	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			09/03/25 17:01	1
Styrene	ND		1.00	1.00	ug/L			09/03/25 17:01	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			09/03/25 17:01	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			09/03/25 17:01	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			09/03/25 17:01	1
Tetrachloroethene	ND		1.00	0.330	ug/L			09/03/25 17:01	1
Toluene	ND		1.00	0.900	ug/L			09/03/25 17:01	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			09/03/25 17:01	1

Client Sample ID: A-MW-4
Date Collected: 08/26/25 10:35
Date Received: 08/27/25 10:08

Lab Sample ID: 752-36232-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			09/03/25 17:01	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			09/03/25 17:01	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			09/03/25 17:01	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			09/03/25 17:01	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			09/03/25 17:01	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			09/03/25 17:01	1
Trichloroethene	ND		1.00	0.150	ug/L			09/03/25 17:01	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			09/03/25 17:01	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			09/03/25 17:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			09/03/25 17:01	1
1,2,4-Trimethylbenzene	ND	*+	1.00	0.820	ug/L			09/03/25 17:01	1
1,3,5-Trimethylbenzene	ND	*+	1.00	0.560	ug/L			09/03/25 17:01	1
Vinyl acetate	ND		25.0	0.930	ug/L			09/03/25 17:01	1
Vinyl chloride	ND		1.00	0.500	ug/L			09/03/25 17:01	1
Xylenes, Total	ND		10.0	6.00	ug/L			09/03/25 17:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*56 - 136*		*09/03/25 17:01*	*1*
Dibromofluoromethane	*101*		*79 - 130*		*09/03/25 17:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*59 - 146*		*09/03/25 17:01*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*09/03/25 17:01*	*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		0.309	0.309	ug/L		08/28/25 07:00	08/29/25 23:47	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*27*		*10 - 140*	*08/28/25 07:00*	*08/29/25 23:47*	*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		9.90	0.416	ug/L		08/29/25 07:00	08/29/25 21:22	1
2,4,5-Trichlorophenol	ND		9.90	0.535	ug/L		08/29/25 07:00	08/29/25 21:22	1
2,4,6-Trichlorophenol	ND		9.90	1.08	ug/L		08/29/25 07:00	08/29/25 21:22	1
2,4-Dichlorophenol	ND		9.90	0.564	ug/L		08/29/25 07:00	08/29/25 21:22	1
2,4-Dimethylphenol	ND		9.90	0.238	ug/L		08/29/25 07:00	08/29/25 21:22	1
2,4-Dinitrophenol	ND	*- *1	29.7	4.63	ug/L		08/29/25 07:00	08/29/25 21:22	1
2,4-Dinitrotoluene	ND		9.90	0.644	ug/L		08/29/25 07:00	08/29/25 21:22	1
2,6-Dinitrotoluene	ND		9.90	0.287	ug/L		08/29/25 07:00	08/29/25 21:22	1
2-Chloronaphthalene	ND		9.90	0.376	ug/L		08/29/25 07:00	08/29/25 21:22	1
2-Chlorophenol	ND		9.90	0.832	ug/L		08/29/25 07:00	08/29/25 21:22	1
2-Methylnaphthalene	ND		9.90	0.802	ug/L		08/29/25 07:00	08/29/25 21:22	1
2-Methylphenol	ND		9.90	0.752	ug/L		08/29/25 07:00	08/29/25 21:22	1
2-Nitroaniline	ND		9.90	1.36	ug/L		08/29/25 07:00	08/29/25 21:22	1
2-Nitrophenol	ND		9.90	1.16	ug/L		08/29/25 07:00	08/29/25 21:22	1
3 & 4 Methylphenol	ND		19.8	4.55	ug/L		08/29/25 07:00	08/29/25 21:22	1
3,3'-Dichlorobenzidine	ND		10.9	0.406	ug/L		08/29/25 07:00	08/29/25 21:22	1
3-Nitroaniline	ND		9.90	0.941	ug/L		08/29/25 07:00	08/29/25 21:22	1
4,6-Dinitro-2-methylphenol	ND		9.90	1.95	ug/L		08/29/25 07:00	08/29/25 21:22	1
4-Bromophenyl phenyl ether	ND		9.90	0.129	ug/L		08/29/25 07:00	08/29/25 21:22	1
4-Chloro-3-methylphenol	ND		9.90	0.723	ug/L		08/29/25 07:00	08/29/25 21:22	1

Client Sample ID: A-MW-4
Date Collected: 08/26/25 10:35
Date Received: 08/27/25 10:08

Lab Sample ID: 752-36232-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloroaniline	ND		9.90	0.574	ug/L		08/29/25 07:00	08/29/25 21:22	1
4-Chlorophenyl phenyl ether	ND		9.90	0.238	ug/L		08/29/25 07:00	08/29/25 21:22	1
4-Nitroaniline	ND		9.90	3.47	ug/L		08/29/25 07:00	08/29/25 21:22	1
4-Nitrophenol	ND		9.90	2.71	ug/L		08/29/25 07:00	08/29/25 21:22	1
Acenaphthene	ND		9.90	0.624	ug/L		08/29/25 07:00	08/29/25 21:22	1
Acenaphthylene	ND		9.90	0.752	ug/L		08/29/25 07:00	08/29/25 21:22	1
Acetophenone	ND		9.90	3.17	ug/L		08/29/25 07:00	08/29/25 21:22	1
Anthracene	ND		9.90	0.901	ug/L		08/29/25 07:00	08/29/25 21:22	1
Atrazine	ND		9.90	1.12	ug/L		08/29/25 07:00	08/29/25 21:22	1
Benzaldehyde	ND		9.90	0.663	ug/L		08/29/25 07:00	08/29/25 21:22	1
Benzo[a]anthracene	ND		9.90	0.990	ug/L		08/29/25 07:00	08/29/25 21:22	1
Benzo[a]pyrene	ND		9.90	1.09	ug/L		08/29/25 07:00	08/29/25 21:22	1
Benzo[b]fluoranthene	ND		9.90	1.19	ug/L		08/29/25 07:00	08/29/25 21:22	1
Benzo[g,h,i]perylene	ND		9.90	1.49	ug/L		08/29/25 07:00	08/29/25 21:22	1
Benzo[k]fluoranthene	ND		9.90	1.49	ug/L		08/29/25 07:00	08/29/25 21:22	1
bis (2-chloroisopropyl) ether	ND		9.90	0.921	ug/L		08/29/25 07:00	08/29/25 21:22	1
Bis(2-chloroethoxy)methane	ND		9.90	0.337	ug/L		08/29/25 07:00	08/29/25 21:22	1
Bis(2-chloroethyl)ether	ND		9.90	0.723	ug/L		08/29/25 07:00	08/29/25 21:22	1
Bis(2-ethylhexyl) phthalate	ND		9.90	3.96	ug/L		08/29/25 07:00	08/29/25 21:22	1
Butyl benzyl phthalate	ND		9.90	3.96	ug/L		08/29/25 07:00	08/29/25 21:22	1
Caprolactam	ND	*+	9.90	2.38	ug/L		08/29/25 07:00	08/29/25 21:22	1
Carbazole	ND		9.90	0.317	ug/L		08/29/25 07:00	08/29/25 21:22	1
Chrysene	ND		9.90	1.19	ug/L		08/29/25 07:00	08/29/25 21:22	1
Dibenz(a,h)anthracene	ND		9.90	1.29	ug/L		08/29/25 07:00	08/29/25 21:22	1
Dibenzofuran	ND		9.90	0.634	ug/L		08/29/25 07:00	08/29/25 21:22	1
Diethyl phthalate	ND		9.90	3.96	ug/L		08/29/25 07:00	08/29/25 21:22	1
Dimethyl phthalate	ND		9.90	3.96	ug/L		08/29/25 07:00	08/29/25 21:22	1
Di-n-butyl phthalate	ND		9.90	8.11	ug/L		08/29/25 07:00	08/29/25 21:22	1
Di-n-octyl phthalate	ND		9.90	3.96	ug/L		08/29/25 07:00	08/29/25 21:22	1
Fluoranthene	ND		9.90	0.624	ug/L		08/29/25 07:00	08/29/25 21:22	1
Fluorene	ND		9.90	0.663	ug/L		08/29/25 07:00	08/29/25 21:22	1
Hexachlorobenzene	ND		9.90	0.248	ug/L		08/29/25 07:00	08/29/25 21:22	1
Hexachlorobutadiene	ND		9.90	0.545	ug/L		08/29/25 07:00	08/29/25 21:22	1
Hexachlorocyclopentadiene	ND		19.8	0.317	ug/L		08/29/25 07:00	08/29/25 21:22	1
Hexachloroethane	ND		9.90	0.525	ug/L		08/29/25 07:00	08/29/25 21:22	1
Indeno[1,2,3-cd]pyrene	ND		9.90	1.09	ug/L		08/29/25 07:00	08/29/25 21:22	1
Isophorone	ND		9.90	0.792	ug/L		08/29/25 07:00	08/29/25 21:22	1
Naphthalene	ND		9.90	0.743	ug/L		08/29/25 07:00	08/29/25 21:22	1
Nitrobenzene	ND		9.90	0.594	ug/L		08/29/25 07:00	08/29/25 21:22	1
N-Nitrosodi-n-propylamine	ND		9.90	0.327	ug/L		08/29/25 07:00	08/29/25 21:22	1
N-Nitrosodiphenylamine	ND		9.90	0.188	ug/L		08/29/25 07:00	08/29/25 21:22	1
Pentachlorophenol	ND		9.90	2.77	ug/L		08/29/25 07:00	08/29/25 21:22	1
Phenanthrene	ND		9.90	0.733	ug/L		08/29/25 07:00	08/29/25 21:22	1
Phenol	ND		9.90	0.673	ug/L		08/29/25 07:00	08/29/25 21:22	1
Pyrene	ND		9.90	0.624	ug/L		08/29/25 07:00	08/29/25 21:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*65*		*10 - 150*	*08/29/25 07:00*	*08/29/25 21:22*	*1*
2-Fluorobiphenyl (Surr)	*84*		*25 - 139*	*08/29/25 07:00*	*08/29/25 21:22*	*1*
2-Fluorophenol (Surr)	*85*		*10 - 150*	*08/29/25 07:00*	*08/29/25 21:22*	*1*

Client Sample ID: A-MW-4
Lab Sample ID: 752-36232-5

Date Collected: 08/26/25 10:35
Matrix: Water
Date Received: 08/27/25 10:08

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*101*		*22 - 150*	*08/29/25 07:00*	*08/29/25 21:22*	*1*
Phenol-d5 (Surr)	*87*		*10 - 150*	*08/29/25 07:00*	*08/29/25 21:22*	*1*
Terphenyl-d14 (Surr)	*71*		*28 - 150*	*08/29/25 07:00*	*08/29/25 21:22*	*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		09/02/25 16:40	09/06/25 03:35	1
Arsenic	**2.86**	**J**	5.00	1.32	ug/L		09/02/25 16:40	09/06/25 03:35	1
Barium	**36.1**		10.0	0.410	ug/L		09/02/25 16:40	09/06/25 03:35	1
Beryllium	ND		1.00	0.147	ug/L		09/02/25 16:40	09/06/25 03:35	1
Cadmium	ND		0.700	0.237	ug/L		09/02/25 16:40	09/06/25 03:35	1
Chromium	ND		5.00	3.69	ug/L		09/02/25 16:40	09/06/25 03:35	1
Cobalt	ND		5.00	0.411	ug/L		09/02/25 16:40	09/06/25 03:35	1
Copper	**1.18**	**J**	2.00	0.642	ug/L		09/02/25 16:40	09/06/25 03:35	1
Lead	ND		1.00	0.864	ug/L		09/02/25 16:40	09/06/25 03:35	1
Manganese	**34.8**		5.00	1.29	ug/L		09/02/25 16:40	09/06/25 03:35	1
Nickel	**0.746**	**J**	5.00	0.422	ug/L		09/02/25 16:40	09/06/25 03:35	1
Selenium	ND		5.00	2.29	ug/L		09/02/25 16:40	09/06/25 03:35	1
Silver	ND		1.00	0.167	ug/L		09/02/25 16:40	09/06/25 03:35	1
Thallium	ND		1.00	0.190	ug/L		09/02/25 16:40	09/06/25 03:35	1
Vanadium	**4.49**	**J**	5.00	1.22	ug/L		09/02/25 16:40	09/06/25 03:35	1
Zinc	ND		10.0	8.91	ug/L		09/02/25 16:40	09/06/25 03:35	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		09/10/25 14:39	09/10/25 20:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (EPA 350.1)	ND		0.0500	0.0200	mg/L			09/03/25 10:53	1
Nitrate as N (SM Nitrate by calc)	ND		0.100	0.0250	mg/L			09/02/25 11:27	1
Sulfate (SM 4500 SO4 E)	**2.71**	**J**	5.00	1.40	mg/L			09/08/25 11:23	1

Client Sample ID: Duplicate -1
Lab Sample ID: 752-36232-6

Date Collected: 08/26/25 00:00
Matrix: Water
Date Received: 08/27/25 10:08

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0	10.0	ug/L			09/03/25 17:22	1
Benzene	ND		1.00	0.500	ug/L			09/03/25 17:22	1
Bromobenzene	ND		1.00	0.540	ug/L			09/03/25 17:22	1
Bromoform	ND		5.00	0.250	ug/L			09/03/25 17:22	1
Bromomethane	ND		1.00	0.980	ug/L			09/03/25 17:22	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			09/03/25 17:22	1
Carbon disulfide	ND		1.00	0.500	ug/L			09/03/25 17:22	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			09/03/25 17:22	1
Chlorobenzene	ND		1.00	0.420	ug/L			09/03/25 17:22	1
Chlorobromomethane	ND		1.00	0.520	ug/L			09/03/25 17:22	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			09/03/25 17:22	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 752-36232-1

Client Sample ID: Duplicate -1
Date Collected: 08/26/25 00:00
Date Received: 08/27/25 10:08

Lab Sample ID: 752-36232-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		1.00	0.760	ug/L			09/03/25 17:22	1
Chloroform	ND		1.00	0.900	ug/L			09/03/25 17:22	1
Chloromethane	ND		1.00	0.400	ug/L			09/03/25 17:22	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			09/03/25 17:22	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			09/03/25 17:22	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			09/03/25 17:22	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			09/03/25 17:22	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			09/03/25 17:22	1
Dibromomethane	ND		5.00	0.220	ug/L			09/03/25 17:22	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			09/03/25 17:22	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			09/03/25 17:22	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			09/03/25 17:22	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			09/03/25 17:22	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			09/03/25 17:22	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			09/03/25 17:22	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			09/03/25 17:22	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 17:22	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 17:22	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 17:22	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			09/03/25 17:22	1
Ethyl acetate	ND		10.0	6.14	ug/L			09/03/25 17:22	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/03/25 17:22	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			09/03/25 17:22	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			09/03/25 17:22	1
Hexane	ND		1.00	0.960	ug/L			09/03/25 17:22	1
2-Hexanone	ND		25.0	4.26	ug/L			09/03/25 17:22	1
Iodomethane	ND		1.00	0.900	ug/L			09/03/25 17:22	1
Isopropylbenzene	ND		1.00	0.530	ug/L			09/03/25 17:22	1
Isopropyl ether	ND		1.00	0.740	ug/L			09/03/25 17:22	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			09/03/25 17:22	1
Methylene Chloride	ND		5.00	3.00	ug/L			09/03/25 17:22	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			09/03/25 17:22	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			09/03/25 17:22	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			09/03/25 17:22	1
Naphthalene	ND		5.00	3.00	ug/L			09/03/25 17:22	1
n-Butylbenzene	ND	*+	1.00	0.760	ug/L			09/03/25 17:22	1
n-Heptane	ND		1.00	0.210	ug/L			09/03/25 17:22	1
N-Propylbenzene	ND		1.00	0.690	ug/L			09/03/25 17:22	1
o-Xylene	ND		5.00	3.00	ug/L			09/03/25 17:22	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			09/03/25 17:22	1
Styrene	ND		1.00	1.00	ug/L			09/03/25 17:22	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			09/03/25 17:22	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			09/03/25 17:22	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			09/03/25 17:22	1
Tetrachloroethene	ND		1.00	0.330	ug/L			09/03/25 17:22	1
Toluene	ND		1.00	0.900	ug/L			09/03/25 17:22	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			09/03/25 17:22	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			09/03/25 17:22	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			09/03/25 17:22	1

Client Sample ID: Duplicate -1
Date Collected: 08/26/25 00:00
Date Received: 08/27/25 10:08

Lab Sample ID: 752-36232-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			09/03/25 17:22	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			09/03/25 17:22	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			09/03/25 17:22	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			09/03/25 17:22	1
Trichloroethene	ND		1.00	0.150	ug/L			09/03/25 17:22	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			09/03/25 17:22	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			09/03/25 17:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			09/03/25 17:22	1
1,2,4-Trimethylbenzene	ND	*+	1.00	0.820	ug/L			09/03/25 17:22	1
1,3,5-Trimethylbenzene	ND	*+	1.00	0.560	ug/L			09/03/25 17:22	1
Vinyl acetate	ND		25.0	0.930	ug/L			09/03/25 17:22	1
Vinyl chloride	ND		1.00	0.500	ug/L			09/03/25 17:22	1
Xylenes, Total	ND		10.0	6.00	ug/L			09/03/25 17:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*56 - 136*		*09/03/25 17:22*	*1*
Dibromofluoromethane	*102*		*79 - 130*		*09/03/25 17:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*59 - 146*		*09/03/25 17:22*	*1*
Toluene-d8 (Surr)	*103*		*64 - 132*		*09/03/25 17:22*	*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		0.302	0.302	ug/L		08/28/25 07:00	08/30/25 00:08	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*23*		*10 - 140*	*08/28/25 07:00*	*08/30/25 00:08*	*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		9.49	0.399	ug/L		08/29/25 07:00	08/29/25 21:52	1
2,4,5-Trichlorophenol	ND		9.49	0.513	ug/L		08/29/25 07:00	08/29/25 21:52	1
2,4,6-Trichlorophenol	ND		9.49	1.03	ug/L		08/29/25 07:00	08/29/25 21:52	1
2,4-Dichlorophenol	ND		9.49	0.541	ug/L		08/29/25 07:00	08/29/25 21:52	1
2,4-Dimethylphenol	ND		9.49	0.228	ug/L		08/29/25 07:00	08/29/25 21:52	1
2,4-Dinitrophenol	ND	*- *1	28.5	4.44	ug/L		08/29/25 07:00	08/29/25 21:52	1
2,4-Dinitrotoluene	ND		9.49	0.617	ug/L		08/29/25 07:00	08/29/25 21:52	1
2,6-Dinitrotoluene	ND		9.49	0.275	ug/L		08/29/25 07:00	08/29/25 21:52	1
2-Chloronaphthalene	ND		9.49	0.361	ug/L		08/29/25 07:00	08/29/25 21:52	1
2-Chlorophenol	ND		9.49	0.797	ug/L		08/29/25 07:00	08/29/25 21:52	1
2-Methylnaphthalene	ND		9.49	0.769	ug/L		08/29/25 07:00	08/29/25 21:52	1
2-Methylphenol	ND		9.49	0.722	ug/L		08/29/25 07:00	08/29/25 21:52	1
2-Nitroaniline	ND		9.49	1.30	ug/L		08/29/25 07:00	08/29/25 21:52	1
2-Nitrophenol	ND		9.49	1.11	ug/L		08/29/25 07:00	08/29/25 21:52	1
3 & 4 Methylphenol	ND		19.0	4.37	ug/L		08/29/25 07:00	08/29/25 21:52	1
3,3'-Dichlorobenzidine	ND		10.4	0.389	ug/L		08/29/25 07:00	08/29/25 21:52	1
3-Nitroaniline	ND		9.49	0.902	ug/L		08/29/25 07:00	08/29/25 21:52	1
4,6-Dinitro-2-methylphenol	ND		9.49	1.87	ug/L		08/29/25 07:00	08/29/25 21:52	1
4-Bromophenyl phenyl ether	ND		9.49	0.123	ug/L		08/29/25 07:00	08/29/25 21:52	1
4-Chloro-3-methylphenol	ND		9.49	0.693	ug/L		08/29/25 07:00	08/29/25 21:52	1
4-Chloroaniline	ND		9.49	0.551	ug/L		08/29/25 07:00	08/29/25 21:52	1
4-Chlorophenyl phenyl ether	ND		9.49	0.228	ug/L		08/29/25 07:00	08/29/25 21:52	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 752-36232-1

Client Sample ID: Duplicate -1
Date Collected: 08/26/25 00:00
Date Received: 08/27/25 10:08

Lab Sample ID: 752-36232-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	ND		9.49	3.32	ug/L		08/29/25 07:00	08/29/25 21:52	1
4-Nitrophenol	ND		9.49	2.60	ug/L		08/29/25 07:00	08/29/25 21:52	1
Acenaphthene	ND		9.49	0.598	ug/L		08/29/25 07:00	08/29/25 21:52	1
Acenaphthylene	ND		9.49	0.722	ug/L		08/29/25 07:00	08/29/25 21:52	1
Acetophenone	ND		9.49	3.04	ug/L		08/29/25 07:00	08/29/25 21:52	1
Anthracene	ND		9.49	0.864	ug/L		08/29/25 07:00	08/29/25 21:52	1
Atrazine	ND		9.49	1.07	ug/L		08/29/25 07:00	08/29/25 21:52	1
Benzaldehyde	ND		9.49	0.636	ug/L		08/29/25 07:00	08/29/25 21:52	1
Benzo[a]anthracene	ND		9.49	0.949	ug/L		08/29/25 07:00	08/29/25 21:52	1
Benzo[a]pyrene	ND		9.49	1.04	ug/L		08/29/25 07:00	08/29/25 21:52	1
Benzo[b]fluoranthene	ND		9.49	1.14	ug/L		08/29/25 07:00	08/29/25 21:52	1
Benzo[g,h,i]perylene	ND		9.49	1.42	ug/L		08/29/25 07:00	08/29/25 21:52	1
Benzo[k]fluoranthene	ND		9.49	1.42	ug/L		08/29/25 07:00	08/29/25 21:52	1
bis (2-chloroisopropyl) ether	ND		9.49	0.883	ug/L		08/29/25 07:00	08/29/25 21:52	1
Bis(2-chloroethoxy)methane	ND		9.49	0.323	ug/L		08/29/25 07:00	08/29/25 21:52	1
Bis(2-chloroethyl)ether	ND		9.49	0.693	ug/L		08/29/25 07:00	08/29/25 21:52	1
Bis(2-ethylhexyl) phthalate	ND		9.49	3.80	ug/L		08/29/25 07:00	08/29/25 21:52	1
Butyl benzyl phthalate	ND		9.49	3.80	ug/L		08/29/25 07:00	08/29/25 21:52	1
Caprolactam	ND	*+	9.49	2.28	ug/L		08/29/25 07:00	08/29/25 21:52	1
Carbazole	ND		9.49	0.304	ug/L		08/29/25 07:00	08/29/25 21:52	1
Chrysene	ND		9.49	1.14	ug/L		08/29/25 07:00	08/29/25 21:52	1
Dibenz(a,h)anthracene	ND		9.49	1.23	ug/L		08/29/25 07:00	08/29/25 21:52	1
Dibenzofuran	ND		9.49	0.608	ug/L		08/29/25 07:00	08/29/25 21:52	1
Diethyl phthalate	ND		9.49	3.80	ug/L		08/29/25 07:00	08/29/25 21:52	1
Dimethyl phthalate	ND		9.49	3.80	ug/L		08/29/25 07:00	08/29/25 21:52	1
Di-n-butyl phthalate	ND		9.49	7.78	ug/L		08/29/25 07:00	08/29/25 21:52	1
Di-n-octyl phthalate	ND		9.49	3.80	ug/L		08/29/25 07:00	08/29/25 21:52	1
Fluoranthene	ND		9.49	0.598	ug/L		08/29/25 07:00	08/29/25 21:52	1
Fluorene	ND		9.49	0.636	ug/L		08/29/25 07:00	08/29/25 21:52	1
Hexachlorobenzene	ND		9.49	0.237	ug/L		08/29/25 07:00	08/29/25 21:52	1
Hexachlorobutadiene	ND		9.49	0.522	ug/L		08/29/25 07:00	08/29/25 21:52	1
Hexachlorocyclopentadiene	ND		19.0	0.304	ug/L		08/29/25 07:00	08/29/25 21:52	1
Hexachloroethane	ND		9.49	0.503	ug/L		08/29/25 07:00	08/29/25 21:52	1
Indeno[1,2,3-cd]pyrene	ND		9.49	1.04	ug/L		08/29/25 07:00	08/29/25 21:52	1
Isophorone	ND		9.49	0.759	ug/L		08/29/25 07:00	08/29/25 21:52	1
Naphthalene	ND		9.49	0.712	ug/L		08/29/25 07:00	08/29/25 21:52	1
Nitrobenzene	ND		9.49	0.570	ug/L		08/29/25 07:00	08/29/25 21:52	1
N-Nitrosodi-n-propylamine	ND		9.49	0.313	ug/L		08/29/25 07:00	08/29/25 21:52	1
N-Nitrosodiphenylamine	ND		9.49	0.180	ug/L		08/29/25 07:00	08/29/25 21:52	1
Pentachlorophenol	ND		9.49	2.66	ug/L		08/29/25 07:00	08/29/25 21:52	1
Phenanthrene	ND		9.49	0.703	ug/L		08/29/25 07:00	08/29/25 21:52	1
Phenol	ND		9.49	0.646	ug/L		08/29/25 07:00	08/29/25 21:52	1
Pyrene	ND		9.49	0.598	ug/L		08/29/25 07:00	08/29/25 21:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*60*		*10 - 150*	*08/29/25 07:00*	*08/29/25 21:52*	*1*
2-Fluorobiphenyl (Surr)	*78*		*25 - 139*	*08/29/25 07:00*	*08/29/25 21:52*	*1*
2-Fluorophenol (Surr)	*79*		*10 - 150*	*08/29/25 07:00*	*08/29/25 21:52*	*1*
Nitrobenzene-d5 (Surr)	*92*		*22 - 150*	*08/29/25 07:00*	*08/29/25 21:52*	*1*
Phenol-d5 (Surr)	*80*		*10 - 150*	*08/29/25 07:00*	*08/29/25 21:52*	*1*

Client Sample ID: Duplicate -1

Lab Sample ID: 752-36232-6

Date Collected: 08/26/25 00:00

Matrix: Water

Date Received: 08/27/25 10:08

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14 (Surr)	*55*		*28 - 150*	*08/29/25 07:00*	*08/29/25 21:52*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	2.45	ug/L		09/02/25 16:40	09/06/25 03:38	1
Arsenic	ND		5.00	1.32	ug/L		09/02/25 16:40	09/06/25 03:38	1
Barium	**89.4**		10.0	0.410	ug/L		09/02/25 16:40	09/06/25 03:38	1
Beryllium	ND		1.00	0.147	ug/L		09/02/25 16:40	09/06/25 03:38	1
Cadmium	ND		0.700	0.237	ug/L		09/02/25 16:40	09/06/25 03:38	1
Chromium	ND		5.00	3.69	ug/L		09/02/25 16:40	09/06/25 03:38	1
Cobalt	ND		5.00	0.411	ug/L		09/02/25 16:40	09/06/25 03:38	1
Copper	**0.776**	**J**	2.00	0.642	ug/L		09/02/25 16:40	09/06/25 03:38	1
Lead	ND		1.00	0.864	ug/L		09/02/25 16:40	09/06/25 03:38	1
Manganese	**25.0**		5.00	1.29	ug/L		09/02/25 16:40	09/06/25 03:38	1
Nickel	**0.859**	**J**	5.00	0.422	ug/L		09/02/25 16:40	09/06/25 03:38	1
Selenium	ND		5.00	2.29	ug/L		09/02/25 16:40	09/06/25 03:38	1
Silver	ND		1.00	0.167	ug/L		09/02/25 16:40	09/06/25 03:38	1
Thallium	ND		1.00	0.190	ug/L		09/02/25 16:40	09/06/25 03:38	1
Vanadium	**8.75**		5.00	1.22	ug/L		09/02/25 16:40	09/06/25 03:38	1
Zinc	ND		10.0	8.91	ug/L		09/02/25 16:40	09/06/25 03:38	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		09/10/25 14:39	09/10/25 20:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (EPA 350.1)	ND	F1	0.0500	0.0200	mg/L			09/03/25 10:58	1
Nitrate as N (SM Nitrate by calc)	**0.379**		0.100	0.0250	mg/L			09/02/25 11:27	1
Sulfate (SM 4500 SO4 E)	**7.04**		5.00	1.40	mg/L			09/08/25 11:23	1

Client Sample ID: Trip Blank

Lab Sample ID: 752-36232-7

Date Collected: 08/26/25 10:35

Matrix: Water

Date Received: 08/27/25 10:08

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0	10.0	ug/L			09/03/25 17:42	1
Benzene	ND		1.00	0.500	ug/L			09/03/25 17:42	1
Bromobenzene	ND		1.00	0.540	ug/L			09/03/25 17:42	1
Bromoform	ND		5.00	0.250	ug/L			09/03/25 17:42	1
Bromomethane	ND		1.00	0.980	ug/L			09/03/25 17:42	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			09/03/25 17:42	1
Carbon disulfide	ND		1.00	0.500	ug/L			09/03/25 17:42	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			09/03/25 17:42	1
Chlorobenzene	ND		1.00	0.420	ug/L			09/03/25 17:42	1
Chlorobromomethane	ND		1.00	0.520	ug/L			09/03/25 17:42	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			09/03/25 17:42	1
Chloroethane	ND		1.00	0.760	ug/L			09/03/25 17:42	1
Chloroform	ND		1.00	0.900	ug/L			09/03/25 17:42	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 752-36232-1

Client Sample ID: Trip Blank
Date Collected: 08/26/25 10:35
Date Received: 08/27/25 10:08

Lab Sample ID: 752-36232-7
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.00	0.400	ug/L			09/03/25 17:42	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			09/03/25 17:42	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			09/03/25 17:42	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			09/03/25 17:42	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			09/03/25 17:42	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			09/03/25 17:42	1
Dibromomethane	ND		5.00	0.220	ug/L			09/03/25 17:42	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			09/03/25 17:42	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			09/03/25 17:42	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			09/03/25 17:42	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			09/03/25 17:42	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			09/03/25 17:42	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			09/03/25 17:42	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			09/03/25 17:42	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 17:42	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 17:42	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 17:42	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			09/03/25 17:42	1
Ethyl acetate	ND		10.0	6.14	ug/L			09/03/25 17:42	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/03/25 17:42	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			09/03/25 17:42	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			09/03/25 17:42	1
Hexane	ND		1.00	0.960	ug/L			09/03/25 17:42	1
2-Hexanone	ND		25.0	4.26	ug/L			09/03/25 17:42	1
Iodomethane	ND		1.00	0.900	ug/L			09/03/25 17:42	1
Isopropylbenzene	ND		1.00	0.530	ug/L			09/03/25 17:42	1
Isopropyl ether	ND		1.00	0.740	ug/L			09/03/25 17:42	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			09/03/25 17:42	1
Methylene Chloride	ND		5.00	3.00	ug/L			09/03/25 17:42	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			09/03/25 17:42	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			09/03/25 17:42	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			09/03/25 17:42	1
Naphthalene	ND		5.00	3.00	ug/L			09/03/25 17:42	1
n-Butylbenzene	ND	*+	1.00	0.760	ug/L			09/03/25 17:42	1
n-Heptane	ND		1.00	0.210	ug/L			09/03/25 17:42	1
N-Propylbenzene	ND		1.00	0.690	ug/L			09/03/25 17:42	1
o-Xylene	ND		5.00	3.00	ug/L			09/03/25 17:42	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			09/03/25 17:42	1
Styrene	ND		1.00	1.00	ug/L			09/03/25 17:42	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			09/03/25 17:42	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			09/03/25 17:42	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			09/03/25 17:42	1
Tetrachloroethene	ND		1.00	0.330	ug/L			09/03/25 17:42	1
Toluene	ND		1.00	0.900	ug/L			09/03/25 17:42	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			09/03/25 17:42	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			09/03/25 17:42	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			09/03/25 17:42	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			09/03/25 17:42	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			09/03/25 17:42	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 752-36232-1

Client Sample ID: Trip Blank
Date Collected: 08/26/25 10:35
Date Received: 08/27/25 10:08

Lab Sample ID: 752-36232-7
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			09/03/25 17:42	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			09/03/25 17:42	1
Trichloroethene	ND		1.00	0.150	ug/L			09/03/25 17:42	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			09/03/25 17:42	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			09/03/25 17:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			09/03/25 17:42	1
1,2,4-Trimethylbenzene	ND	*+	1.00	0.820	ug/L			09/03/25 17:42	1
1,3,5-Trimethylbenzene	ND	*+	1.00	0.560	ug/L			09/03/25 17:42	1
Vinyl acetate	ND		25.0	0.930	ug/L			09/03/25 17:42	1
Vinyl chloride	ND		1.00	0.500	ug/L			09/03/25 17:42	1
Xylenes, Total	ND		10.0	6.00	ug/L			09/03/25 17:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*56 - 136*		*09/03/25 17:42*	*1*
Dibromofluoromethane	*102*		*79 - 130*		*09/03/25 17:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*59 - 146*		*09/03/25 17:42*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*09/03/25 17:42*	*1*

Surrogate Summary

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 752-36232-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(56-136)	(79-130)	(59-146)	(64-132)
752-36232-1	MW-3	99	97	82	105
752-36232-1 MS	MW-3	108	97	92	102
752-36232-1 MSD	MW-3	110	97	92	102
752-36232-2	MW-6	102	102	87	105
752-36232-3	MW-7	100	99	86	102
752-36232-4	A-MW-3	102	102	87	102
752-36232-5	A-MW-4	99	101	86	101
752-36232-6	Duplicate -1	99	102	86	103
752-36232-7	Trip Blank	99	102	90	102
LCS 400-721717/1002	Lab Control Sample	115	93	93	100
MB 400-721717/5	Method Blank	101	99	83	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)
752-36232-1	MW-3	54	73	72	88	74	50
752-36232-2	MW-6	58	69	69	83	73	48
752-36232-3	MW-7	55	67	68	79	70	40
752-36232-4	A-MW-3	58	68	74	83	76	47
752-36232-5	A-MW-4	65	84	85	101	87	71
752-36232-6	Duplicate -1	60	78	79	92	80	55
LCS 400-721396/2-A	Lab Control Sample	78	67	91	82	100	68
LCSD 400-721396/3-A	Lab Control Sample Dup	86	72	95	84	105	74
MB 400-721396/1-A	Method Blank	84	78	97	90	100	84

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
Project/Site: Lyon Park

Job ID: 752-36232-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)						
		DXE						
Lab Sample ID	**Client Sample ID**	**(10-140)**						
752-36232-1	MW-3	21						
752-36232-2	MW-6	19						
752-36232-3	MW-7	21						
752-36232-4	A-MW-3	26						
752-36232-5	A-MW-4	27						
752-36232-6	Duplicate -1	23						
LCS 400-721223/2-A	Lab Control Sample	105						
LCSD 400-721223/3-A	Lab Control Sample Dup	103						
MB 400-721223/1-A	Method Blank	128						

Surrogate Legend

DXE = 1,4-Dioxane-d8

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

Lab Sample ID: MB 400-721717/5
Matrix: Water
Analysis Batch: 721717

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			09/03/25 12:51	1
Benzene	ND		1.00	0.500	ug/L			09/03/25 12:51	1
Bromobenzene	ND		1.00	0.540	ug/L			09/03/25 12:51	1
Bromoform	ND		5.00	0.250	ug/L			09/03/25 12:51	1
Bromomethane	ND		1.00	0.980	ug/L			09/03/25 12:51	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			09/03/25 12:51	1
Carbon disulfide	ND		1.00	0.500	ug/L			09/03/25 12:51	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			09/03/25 12:51	1
Chlorobenzene	ND		1.00	0.420	ug/L			09/03/25 12:51	1
Chlorobromomethane	ND		1.00	0.520	ug/L			09/03/25 12:51	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			09/03/25 12:51	1
Chloroethane	ND		1.00	0.760	ug/L			09/03/25 12:51	1
Chloroform	ND		1.00	0.900	ug/L			09/03/25 12:51	1
Chloromethane	ND		1.00	0.400	ug/L			09/03/25 12:51	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			09/03/25 12:51	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			09/03/25 12:51	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			09/03/25 12:51	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			09/03/25 12:51	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			09/03/25 12:51	1
Dibromomethane	ND		5.00	0.220	ug/L			09/03/25 12:51	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			09/03/25 12:51	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			09/03/25 12:51	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			09/03/25 12:51	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			09/03/25 12:51	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			09/03/25 12:51	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			09/03/25 12:51	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			09/03/25 12:51	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 12:51	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 12:51	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 12:51	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			09/03/25 12:51	1
Ethyl acetate	ND		10.0	6.14	ug/L			09/03/25 12:51	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/03/25 12:51	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			09/03/25 12:51	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			09/03/25 12:51	1
Hexane	ND		1.00	0.960	ug/L			09/03/25 12:51	1
2-Hexanone	ND		25.0	4.26	ug/L			09/03/25 12:51	1
Iodomethane	ND		1.00	0.900	ug/L			09/03/25 12:51	1
Isopropylbenzene	ND		1.00	0.530	ug/L			09/03/25 12:51	1
Isopropyl ether	ND		1.00	0.740	ug/L			09/03/25 12:51	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			09/03/25 12:51	1
Methylene Chloride	ND		5.00	3.00	ug/L			09/03/25 12:51	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			09/03/25 12:51	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			09/03/25 12:51	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			09/03/25 12:51	1
Naphthalene	ND		5.00	3.00	ug/L			09/03/25 12:51	1
n-Butylbenzene	ND		1.00	0.760	ug/L			09/03/25 12:51	1
n-Heptane	ND		1.00	0.210	ug/L			09/03/25 12:51	1

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

Lab Sample ID: MB 400-721717/5
Matrix: Water
Analysis Batch: 721717

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			09/03/25 12:51	1
o-Xylene	ND		5.00	3.00	ug/L			09/03/25 12:51	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			09/03/25 12:51	1
Styrene	ND		1.00	1.00	ug/L			09/03/25 12:51	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			09/03/25 12:51	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			09/03/25 12:51	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			09/03/25 12:51	1
Tetrachloroethene	ND		1.00	0.330	ug/L			09/03/25 12:51	1
Toluene	ND		1.00	0.900	ug/L			09/03/25 12:51	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			09/03/25 12:51	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			09/03/25 12:51	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			09/03/25 12:51	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			09/03/25 12:51	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			09/03/25 12:51	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			09/03/25 12:51	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			09/03/25 12:51	1
Trichloroethene	ND		1.00	0.150	ug/L			09/03/25 12:51	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			09/03/25 12:51	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			09/03/25 12:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			09/03/25 12:51	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			09/03/25 12:51	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			09/03/25 12:51	1
Vinyl acetate	ND		25.0	0.930	ug/L			09/03/25 12:51	1
Vinyl chloride	ND		1.00	0.500	ug/L			09/03/25 12:51	1
Xylenes, Total	ND		10.0	6.00	ug/L			09/03/25 12:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*56 - 136*		*09/03/25 12:51*	*1*
Dibromofluoromethane	*99*		*79 - 130*		*09/03/25 12:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*83*		*59 - 146*		*09/03/25 12:51*	*1*
Toluene-d8 (Surr)	*103*		*64 - 132*		*09/03/25 12:51*	*1*

Lab Sample ID: LCS 400-721717/1002
Matrix: Water
Analysis Batch: 721717

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	163.7		ug/L		82	43 - 150
Benzene	50.0	54.23		ug/L		108	70 - 130
Bromobenzene	50.0	58.23		ug/L		116	70 - 132
Bromoform	50.0	54.69		ug/L		109	57 - 140
Bromomethane	50.0	50.18		ug/L		100	10 - 150
2-Butanone (MEK)	200	198.4		ug/L		99	61 - 145
Carbon disulfide	50.0	57.27		ug/L		115	61 - 137
Carbon tetrachloride	50.0	55.12		ug/L		110	61 - 137
Chlorobenzene	50.0	55.36		ug/L		111	70 - 130
Chlorobromomethane	50.0	47.79		ug/L		96	70 - 130
Chlorodibromomethane	50.0	52.05		ug/L		104	67 - 135

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

Lab Sample ID: LCS 400-721717/1002
Matrix: Water
Analysis Batch: 721717

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	51.19		ug/L		102	55 - 141
Chloroform	50.0	48.94		ug/L		98	69 - 130
Chloromethane	50.0	43.90		ug/L		88	58 - 137
2-Chlorotoluene	50.0	61.22		ug/L		122	70 - 130
4-Chlorotoluene	50.0	60.66		ug/L		121	70 - 130
cis-1,2-Dichloroethene	50.0	51.99		ug/L		104	68 - 130
cis-1,3-Dichloropropene	50.0	56.57		ug/L		113	69 - 132
1,2-Dibromo-3-Chloropropane	50.0	59.32		ug/L		119	54 - 135
Dibromomethane	50.0	50.03		ug/L		100	70 - 130
1,2-Dichlorobenzene	50.0	54.18		ug/L		108	67 - 130
1,3-Dichlorobenzene	50.0	58.88		ug/L		118	70 - 130
1,4-Dichlorobenzene	50.0	59.44		ug/L		119	70 - 130
Dichlorobromomethane	50.0	54.22		ug/L		108	67 - 133
1,1-Dichloroethane	50.0	54.32		ug/L		109	70 - 130
1,2-Dichloroethane	50.0	46.84		ug/L		94	69 - 130
1,1-Dichloroethene	50.0	58.34		ug/L		117	63 - 134
1,2-Dichloropropane	50.0	53.61		ug/L		107	70 - 130
1,3-Dichloropropane	50.0	54.75		ug/L		109	70 - 130
2,2-Dichloropropane	50.0	55.29		ug/L		111	52 - 135
1,1-Dichloropropene	50.0	55.17		ug/L		110	70 - 130
Ethyl acetate	100	104.7		ug/L		105	34 - 150
Ethylbenzene	50.0	57.27		ug/L		115	70 - 130
Ethylene Dibromide	50.0	49.14		ug/L		98	70 - 130
Hexachlorobutadiene	50.0	68.63		ug/L		137	53 - 140
Hexane	50.0	51.08		ug/L		102	69 - 130
2-Hexanone	200	162.5		ug/L		81	65 - 137
Iodomethane	50.0	61.96		ug/L		124	27 - 150
Isopropylbenzene	50.0	57.47		ug/L		115	70 - 130
Isopropyl ether	50.0	42.78		ug/L		86	64 - 132
4-Isopropyltoluene	50.0	64.86		ug/L		130	65 - 130
Methylene Chloride	50.0	57.69		ug/L		115	66 - 135
4-Methyl-2-pentanone (MIBK)	200	166.3		ug/L		83	69 - 138
Methyl tert-butyl ether	50.0	52.27		ug/L		105	66 - 130
m-Xylene & p-Xylene	50.0	56.91		ug/L		114	70 - 130
Naphthalene	50.0	62.50		ug/L		125	47 - 149
n-Butylbenzene	50.0	66.94	*+	ug/L		134	67 - 130
n-Heptane	50.0	42.75		ug/L		86	70 - 130
N-Propylbenzene	50.0	63.58		ug/L		127	70 - 130
o-Xylene	50.0	55.85		ug/L		112	70 - 130
sec-Butylbenzene	50.0	63.50		ug/L		127	66 - 130
Styrene	50.0	52.47		ug/L		105	70 - 130
tert-Butylbenzene	50.0	62.84		ug/L		126	64 - 139
1,1,1,2-Tetrachloroethane	50.0	55.75		ug/L		111	67 - 131
1,1,2,2-Tetrachloroethane	50.0	57.99		ug/L		116	70 - 131
Tetrachloroethene	50.0	59.73		ug/L		119	65 - 130
Toluene	50.0	53.82		ug/L		108	70 - 130
trans-1,4-Dichloro-2-butene	50.0	45.99		ug/L		92	57 - 140
trans-1,2-Dichloroethene	50.0	53.93		ug/L		108	70 - 130
trans-1,3-Dichloropropene	50.0	53.17		ug/L		106	63 - 130

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

Lab Sample ID: LCS 400-721717/1002
Matrix: Water
Analysis Batch: 721717

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	66.32		ug/L		133	60 - 138
1,2,4-Trichlorobenzene	50.0	70.24		ug/L		140	60 - 140
1,1,1-Trichloroethane	50.0	52.45		ug/L		105	68 - 130
1,1,2-Trichloroethane	50.0	55.22		ug/L		110	70 - 130
Trichloroethene	50.0	58.00		ug/L		116	70 - 130
Trichlorofluoromethane	50.0	47.47		ug/L		95	65 - 138
1,2,3-Trichloropropane	50.0	59.33		ug/L		119	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	55.15		ug/L		110	60 - 139
1,2,4-Trimethylbenzene	50.0	67.43	*+	ug/L		135	70 - 130
1,3,5-Trimethylbenzene	50.0	67.32	*+	ug/L		135	69 - 130
Vinyl acetate	100	81.83		ug/L		82	26 - 150
Vinyl chloride	50.0	53.86		ug/L		108	59 - 136
Xylenes, Total	100	112.8		ug/L		113	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*115*		*56 - 136*
Dibromofluoromethane	*93*		*79 - 130*
1,2-Dichloroethane-d4 (Surr)	*93*		*59 - 146*
Toluene-d8 (Surr)	*100*		*64 - 132*

Lab Sample ID: 752-36232-1 MS
Matrix: Water
Analysis Batch: 721717

Client Sample ID: MW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND	F1	200	68.71	F1	ug/L		34	43 - 150
Benzene	ND		50.0	44.13		ug/L		88	56 - 142
Bromobenzene	ND		50.0	46.53		ug/L		93	59 - 136
Bromoform	ND		50.0	47.35		ug/L		95	50 - 140
Bromomethane	ND		50.0	39.88		ug/L		80	10 - 150
2-Butanone (MEK)	ND	F1	200	120.8		ug/L		60	55 - 150
Carbon disulfide	ND		50.0	37.72		ug/L		75	48 - 150
Carbon tetrachloride	ND		50.0	44.53		ug/L		89	55 - 145
Chlorobenzene	ND		50.0	44.76		ug/L		90	64 - 130
Chlorobromomethane	ND		50.0	41.71		ug/L		83	64 - 140
Chlorodibromomethane	ND		50.0	46.86		ug/L		94	56 - 143
Chloroethane	ND		50.0	39.11		ug/L		78	50 - 150
Chloroform	ND		50.0	42.07		ug/L		84	60 - 141
Chloromethane	ND	F1	50.0	26.07		ug/L		52	49 - 148
2-Chlorotoluene	ND		50.0	41.47		ug/L		83	53 - 134
4-Chlorotoluene	ND		50.0	43.70		ug/L		87	54 - 133
cis-1,2-Dichloroethene	ND		50.0	40.47		ug/L		81	59 - 143
cis-1,3-Dichloropropene	ND		50.0	47.02		ug/L		94	57 - 140
1,2-Dibromo-3-Chloropropane	ND		50.0	51.29		ug/L		103	45 - 135
Dibromomethane	ND		50.0	44.27		ug/L		89	63 - 138
1,2-Dichlorobenzene	ND		50.0	43.94		ug/L		88	52 - 137
1,3-Dichlorobenzene	ND		50.0	45.59		ug/L		91	54 - 135
1,4-Dichlorobenzene	ND		50.0	45.23		ug/L		90	53 - 135

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

Lab Sample ID: 752-36232-1 MS
Matrix: Water
Analysis Batch: 721717

Client Sample ID: MW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorobromomethane	ND		50.0	46.75		ug/L		94	59 - 143
1,1-Dichloroethane	ND		50.0	43.79		ug/L		88	61 - 144
1,2-Dichloroethane	ND		50.0	40.81		ug/L		82	60 - 141
1,1-Dichloroethene	ND		50.0	44.64		ug/L		89	54 - 147
1,2-Dichloropropane	ND		50.0	46.05		ug/L		92	66 - 137
1,3-Dichloropropane	ND		50.0	47.11		ug/L		94	66 - 133
2,2-Dichloropropane	ND		50.0	43.77		ug/L		88	42 - 144
1,1-Dichloropropene	ND		50.0	43.00		ug/L		86	65 - 136
Ethyl acetate	ND		100	96.17		ug/L		96	34 - 150
Ethylbenzene	ND		50.0	43.48		ug/L		87	58 - 131
Ethylene Dibromide	ND		50.0	43.43		ug/L		87	64 - 132
Hexachlorobutadiene	ND		50.0	41.54		ug/L		83	31 - 149
Hexane	ND	F1	50.0	33.22		ug/L		66	60 - 142
2-Hexanone	ND	F1	200	114.9	F1	ug/L		57	65 - 140
Iodomethane	ND		50.0	43.06		ug/L		86	20 - 150
Isopropylbenzene	ND		50.0	42.04		ug/L		84	56 - 133
Isopropyl ether	ND		50.0	32.70		ug/L		65	60 - 144
4-Isopropyltoluene	ND		50.0	43.10		ug/L		86	48 - 139
Methylene Chloride	ND		50.0	47.08		ug/L		94	60 - 146
4-Methyl-2-pentanone (MIBK)	ND	F1	200	142.1		ug/L		71	63 - 146
Methyl tert-butyl ether	ND		50.0	45.26		ug/L		91	59 - 137
m-Xylene & p-Xylene	ND		50.0	42.03		ug/L		84	57 - 130
Naphthalene	ND		50.0	52.74		ug/L		105	25 - 150
n-Butylbenzene	ND	*+	50.0	42.06		ug/L		84	41 - 142
n-Heptane	ND	F1	50.0	28.21	F1	ug/L		56	64 - 142
N-Propylbenzene	ND		50.0	42.59		ug/L		85	51 - 138
o-Xylene	ND		50.0	43.39		ug/L		87	61 - 130
sec-Butylbenzene	ND		50.0	43.04		ug/L		86	50 - 138
Styrene	ND		50.0	42.10		ug/L		84	58 - 131
tert-Butylbenzene	ND		50.0	43.35		ug/L		87	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	47.33		ug/L		95	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	49.98		ug/L		100	66 - 135
Tetrachloroethene	ND		50.0	44.36		ug/L		89	52 - 133
Toluene	ND		50.0	43.34		ug/L		87	65 - 130
trans-1,4-Dichloro-2-butene	ND		50.0	37.29		ug/L		75	43 - 147
trans-1,2-Dichloroethene	ND		50.0	41.35		ug/L		83	61 - 143
trans-1,3-Dichloropropene	ND		50.0	45.10		ug/L		90	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	52.74		ug/L		105	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	54.08		ug/L		108	39 - 148
1,1,1-Trichloroethane	ND		50.0	42.67		ug/L		85	57 - 142
1,1,2-Trichloroethane	ND		50.0	49.08		ug/L		98	66 - 131
Trichloroethene	ND		50.0	45.45		ug/L		91	64 - 136
Trichlorofluoromethane	ND		50.0	36.95		ug/L		74	54 - 150
1,2,3-Trichloropropane	ND		50.0	54.83		ug/L		110	65 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50.0	42.95		ug/L		86	55 - 150
1,2,4-Trimethylbenzene	ND	*+	50.0	48.70		ug/L		97	50 - 139
1,3,5-Trimethylbenzene	ND	*+	50.0	46.87		ug/L		94	52 - 135
Vinyl acetate	ND		100	73.95		ug/L		74	26 - 150

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

Lab Sample ID: 752-36232-1 MS
Matrix: Water
Analysis Batch: 721717

Client Sample ID: MW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl chloride	ND		50.0	34.75		ug/L		70	46 - 150
Xylenes, Total	ND		100	85.41		ug/L		85	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*108*		*56 - 136*
Dibromofluoromethane	*97*		*79 - 130*
1,2-Dichloroethane-d4 (Surr)	*92*		*59 - 146*
Toluene-d8 (Surr)	*102*		*64 - 132*

Lab Sample ID: 752-36232-1 MSD
Matrix: Water
Analysis Batch: 721717

Client Sample ID: MW-3
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	F1	200	61.40	F1	ug/L		31	43 - 150	11	30
Benzene	ND		50.0	38.43		ug/L		77	56 - 142	14	30
Bromobenzene	ND		50.0	40.20		ug/L		80	59 - 136	15	30
Bromoform	ND		50.0	40.72		ug/L		81	50 - 140	15	30
Bromomethane	ND		50.0	31.00		ug/L		62	10 - 150	25	50
2-Butanone (MEK)	ND	F1	200	104.8	F1	ug/L		52	55 - 150	14	30
Carbon disulfide	ND		50.0	33.09		ug/L		66	48 - 150	13	30
Carbon tetrachloride	ND		50.0	39.20		ug/L		78	55 - 145	13	30
Chlorobenzene	ND		50.0	38.74		ug/L		77	64 - 130	14	30
Chlorobromomethane	ND		50.0	35.91		ug/L		72	64 - 140	15	30
Chlorodibromomethane	ND		50.0	40.77		ug/L		82	56 - 143	14	30
Chloroethane	ND		50.0	29.91		ug/L		60	50 - 150	27	30
Chloroform	ND		50.0	36.56		ug/L		73	60 - 141	14	30
Chloromethane	ND	F1	50.0	20.36	F1	ug/L		41	49 - 148	25	31
2-Chlorotoluene	ND		50.0	36.01		ug/L		72	53 - 134	14	30
4-Chlorotoluene	ND		50.0	37.70		ug/L		75	54 - 133	15	30
cis-1,2-Dichloroethene	ND		50.0	35.09		ug/L		70	59 - 143	14	30
cis-1,3-Dichloropropene	ND		50.0	40.58		ug/L		81	57 - 140	15	30
1,2-Dibromo-3-Chloropropane	ND		50.0	43.59		ug/L		87	45 - 135	16	30
Dibromomethane	ND		50.0	38.26		ug/L		77	63 - 138	15	30
1,2-Dichlorobenzene	ND		50.0	37.53		ug/L		75	52 - 137	16	30
1,3-Dichlorobenzene	ND		50.0	38.74		ug/L		77	54 - 135	16	30
1,4-Dichlorobenzene	ND		50.0	38.17		ug/L		76	53 - 135	17	30
Dichlorobromomethane	ND		50.0	39.71		ug/L		79	59 - 143	16	30
1,1-Dichloroethane	ND		50.0	38.35		ug/L		77	61 - 144	13	30
1,2-Dichloroethane	ND		50.0	35.29		ug/L		71	60 - 141	14	30
1,1-Dichloroethene	ND		50.0	39.59		ug/L		79	54 - 147	12	30
1,2-Dichloropropane	ND		50.0	39.15		ug/L		78	66 - 137	16	30
1,3-Dichloropropane	ND		50.0	41.44		ug/L		83	66 - 133	13	30
2,2-Dichloropropane	ND		50.0	39.04		ug/L		78	42 - 144	11	31
1,1-Dichloropropene	ND		50.0	37.49		ug/L		75	65 - 136	14	30
Ethyl acetate	ND		100	82.59		ug/L		83	34 - 150	15	30
Ethylbenzene	ND		50.0	37.77		ug/L		76	58 - 131	14	30
Ethylene Dibromide	ND		50.0	38.11		ug/L		76	64 - 132	13	30

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

Lab Sample ID: 752-36232-1 MSD
Matrix: Water
Analysis Batch: 721717

Client Sample ID: MW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Hexachlorobutadiene	ND		50.0	34.26		ug/L		69	31 - 149	19	36
Hexane	ND	F1	50.0	29.47	F1	ug/L		59	60 - 142	12	30
2-Hexanone	ND	F1	200	99.70	F1	ug/L		50	65 - 140	14	30
Iodomethane	ND		50.0	37.08		ug/L		74	20 - 150	15	44
Isopropylbenzene	ND		50.0	36.49		ug/L		73	56 - 133	14	30
Isopropyl ether	ND		50.0	29.77		ug/L		60	60 - 144	9	30
4-Isopropyltoluene	ND		50.0	36.69		ug/L		73	48 - 139	16	30
Methylene Chloride	ND		50.0	39.95		ug/L		80	60 - 146	16	32
4-Methyl-2-pentanone (MIBK)	ND	F1	200	122.9	F1	ug/L		61	63 - 146	14	30
Methyl tert-butyl ether	ND		50.0	39.39		ug/L		79	59 - 137	14	30
m-Xylene & p-Xylene	ND		50.0	36.65		ug/L		73	57 - 130	14	30
Naphthalene	ND		50.0	46.40		ug/L		93	25 - 150	13	30
n-Butylbenzene	ND	*+	50.0	36.03		ug/L		72	41 - 142	15	31
n-Heptane	ND	F1	50.0	24.77	F1	ug/L		50	64 - 142	13	30
N-Propylbenzene	ND		50.0	37.38		ug/L		75	51 - 138	13	30
o-Xylene	ND		50.0	37.41		ug/L		75	61 - 130	15	30
sec-Butylbenzene	ND		50.0	35.82		ug/L		72	50 - 138	18	30
Styrene	ND		50.0	36.36		ug/L		73	58 - 131	15	30
tert-Butylbenzene	ND		50.0	38.02		ug/L		76	54 - 146	13	30
1,1,1,2-Tetrachloroethane	ND		50.0	40.89		ug/L		82	59 - 137	15	30
1,1,2,2-Tetrachloroethane	ND		50.0	43.62		ug/L		87	66 - 135	14	30
Tetrachloroethene	ND		50.0	38.65		ug/L		77	52 - 133	14	30
Toluene	ND		50.0	37.35		ug/L		75	65 - 130	15	30
trans-1,4-Dichloro-2-butene	ND		50.0	32.25		ug/L		64	43 - 147	14	36
trans-1,2-Dichloroethene	ND		50.0	36.62		ug/L		73	61 - 143	12	30
trans-1,3-Dichloropropene	ND		50.0	39.92		ug/L		80	53 - 133	12	30
1,2,3-Trichlorobenzene	ND		50.0	45.04		ug/L		90	43 - 145	16	30
1,2,4-Trichlorobenzene	ND		50.0	45.60		ug/L		91	39 - 148	17	30
1,1,1-Trichloroethane	ND		50.0	37.89		ug/L		76	57 - 142	12	30
1,1,2-Trichloroethane	ND		50.0	42.15		ug/L		84	66 - 131	15	30
Trichloroethene	ND		50.0	39.77		ug/L		80	64 - 136	13	30
Trichlorofluoromethane	ND		50.0	27.45		ug/L		55	54 - 150	30	30
1,2,3-Trichloropropane	ND		50.0	46.14		ug/L		92	65 - 133	17	30
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50.0	38.20		ug/L		76	55 - 150	12	30
1,2,4-Trimethylbenzene	ND	*+	50.0	41.77		ug/L		84	50 - 139	15	30
1,3,5-Trimethylbenzene	ND	*+	50.0	40.06		ug/L		80	52 - 135	16	30
Vinyl acetate	ND		100	57.12		ug/L		57	26 - 150	26	33
Vinyl chloride	ND		50.0	26.01		ug/L		52	46 - 150	29	30
Xylenes, Total	ND		100	74.06		ug/L		74	59 - 130	14	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*110*		*56 - 136*
Dibromofluoromethane	*97*		*79 - 130*
1,2-Dichloroethane-d4 (Surr)	*92*		*59 - 146*
Toluene-d8 (Surr)	*102*		*64 - 132*

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

Lab Sample ID: MB 400-721396/1-A
Matrix: Water
Analysis Batch: 721385

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 721396

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		10.0	0.420	ug/L		08/29/25 07:00	08/29/25 16:00	1
2,4,5-Trichlorophenol	ND		10.0	0.540	ug/L		08/29/25 07:00	08/29/25 16:00	1
2,4,6-Trichlorophenol	ND		10.0	1.09	ug/L		08/29/25 07:00	08/29/25 16:00	1
2,4-Dichlorophenol	ND		10.0	0.570	ug/L		08/29/25 07:00	08/29/25 16:00	1
2,4-Dimethylphenol	ND		10.0	0.240	ug/L		08/29/25 07:00	08/29/25 16:00	1
2,4-Dinitrophenol	ND		30.0	4.68	ug/L		08/29/25 07:00	08/29/25 16:00	1
2,4-Dinitrotoluene	ND		10.0	0.650	ug/L		08/29/25 07:00	08/29/25 16:00	1
2,6-Dinitrotoluene	ND		10.0	0.290	ug/L		08/29/25 07:00	08/29/25 16:00	1
2-Chloronaphthalene	ND		10.0	0.380	ug/L		08/29/25 07:00	08/29/25 16:00	1
2-Chlorophenol	ND		10.0	0.840	ug/L		08/29/25 07:00	08/29/25 16:00	1
2-Methylnaphthalene	ND		10.0	0.810	ug/L		08/29/25 07:00	08/29/25 16:00	1
2-Methylphenol	ND		10.0	0.760	ug/L		08/29/25 07:00	08/29/25 16:00	1
2-Nitroaniline	ND		10.0	1.37	ug/L		08/29/25 07:00	08/29/25 16:00	1
2-Nitrophenol	ND		10.0	1.17	ug/L		08/29/25 07:00	08/29/25 16:00	1
3 & 4 Methylphenol	ND		20.0	4.60	ug/L		08/29/25 07:00	08/29/25 16:00	1
3,3'-Dichlorobenzidine	ND		11.0	0.410	ug/L		08/29/25 07:00	08/29/25 16:00	1
3-Nitroaniline	ND		10.0	0.950	ug/L		08/29/25 07:00	08/29/25 16:00	1
4,6-Dinitro-2-methylphenol	ND		10.0	1.97	ug/L		08/29/25 07:00	08/29/25 16:00	1
4-Bromophenyl phenyl ether	ND		10.0	0.130	ug/L		08/29/25 07:00	08/29/25 16:00	1
4-Chloro-3-methylphenol	ND		10.0	0.730	ug/L		08/29/25 07:00	08/29/25 16:00	1
4-Chloroaniline	ND		10.0	0.580	ug/L		08/29/25 07:00	08/29/25 16:00	1
4-Chlorophenyl phenyl ether	ND		10.0	0.240	ug/L		08/29/25 07:00	08/29/25 16:00	1
4-Nitroaniline	ND		10.0	3.50	ug/L		08/29/25 07:00	08/29/25 16:00	1
4-Nitrophenol	ND		10.0	2.74	ug/L		08/29/25 07:00	08/29/25 16:00	1
Acenaphthene	ND		10.0	0.630	ug/L		08/29/25 07:00	08/29/25 16:00	1
Acenaphthylene	ND		10.0	0.760	ug/L		08/29/25 07:00	08/29/25 16:00	1
Acetophenone	ND		10.0	3.20	ug/L		08/29/25 07:00	08/29/25 16:00	1
Anthracene	ND		10.0	0.910	ug/L		08/29/25 07:00	08/29/25 16:00	1
Atrazine	ND		10.0	1.13	ug/L		08/29/25 07:00	08/29/25 16:00	1
Benzaldehyde	ND		10.0	0.670	ug/L		08/29/25 07:00	08/29/25 16:00	1
Benzo[a]anthracene	ND		10.0	1.00	ug/L		08/29/25 07:00	08/29/25 16:00	1
Benzo[a]pyrene	ND		10.0	1.10	ug/L		08/29/25 07:00	08/29/25 16:00	1
Benzo[b]fluoranthene	ND		10.0	1.20	ug/L		08/29/25 07:00	08/29/25 16:00	1
Benzo[g,h,i]perylene	ND		10.0	1.50	ug/L		08/29/25 07:00	08/29/25 16:00	1
Benzo[k]fluoranthene	ND		10.0	1.50	ug/L		08/29/25 07:00	08/29/25 16:00	1
bis (2-chloroisopropyl) ether	ND		10.0	0.930	ug/L		08/29/25 07:00	08/29/25 16:00	1
Bis(2-chloroethoxy)methane	ND		10.0	0.340	ug/L		08/29/25 07:00	08/29/25 16:00	1
Bis(2-chloroethyl)ether	ND		10.0	0.730	ug/L		08/29/25 07:00	08/29/25 16:00	1
Bis(2-ethylhexyl) phthalate	ND		10.0	4.00	ug/L		08/29/25 07:00	08/29/25 16:00	1
Butyl benzyl phthalate	ND		10.0	4.00	ug/L		08/29/25 07:00	08/29/25 16:00	1
Caprolactam	ND		10.0	2.40	ug/L		08/29/25 07:00	08/29/25 16:00	1
Carbazole	ND		10.0	0.320	ug/L		08/29/25 07:00	08/29/25 16:00	1
Chrysene	ND		10.0	1.20	ug/L		08/29/25 07:00	08/29/25 16:00	1
Dibenz(a,h)anthracene	ND		10.0	1.30	ug/L		08/29/25 07:00	08/29/25 16:00	1
Dibenzofuran	ND		10.0	0.640	ug/L		08/29/25 07:00	08/29/25 16:00	1
Diethyl phthalate	ND		10.0	4.00	ug/L		08/29/25 07:00	08/29/25 16:00	1
Dimethyl phthalate	ND		10.0	4.00	ug/L		08/29/25 07:00	08/29/25 16:00	1
Di-n-butyl phthalate	ND		10.0	8.19	ug/L		08/29/25 07:00	08/29/25 16:00	1

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

Lab Sample ID: MB 400-721396/1-A
Matrix: Water
Analysis Batch: 721385

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 721396

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	ND		10.0	4.00	ug/L		08/29/25 07:00	08/29/25 16:00	1
Fluoranthene	ND		10.0	0.630	ug/L		08/29/25 07:00	08/29/25 16:00	1
Fluorene	ND		10.0	0.670	ug/L		08/29/25 07:00	08/29/25 16:00	1
Hexachlorobenzene	ND		10.0	0.250	ug/L		08/29/25 07:00	08/29/25 16:00	1
Hexachlorobutadiene	ND		10.0	0.550	ug/L		08/29/25 07:00	08/29/25 16:00	1
Hexachlorocyclopentadiene	ND		20.0	0.320	ug/L		08/29/25 07:00	08/29/25 16:00	1
Hexachloroethane	ND		10.0	0.530	ug/L		08/29/25 07:00	08/29/25 16:00	1
Indeno[1,2,3-cd]pyrene	ND		10.0	1.10	ug/L		08/29/25 07:00	08/29/25 16:00	1
Isophorone	ND		10.0	0.800	ug/L		08/29/25 07:00	08/29/25 16:00	1
Naphthalene	ND		10.0	0.750	ug/L		08/29/25 07:00	08/29/25 16:00	1
Nitrobenzene	ND		10.0	0.600	ug/L		08/29/25 07:00	08/29/25 16:00	1
N-Nitrosodi-n-propylamine	ND		10.0	0.330	ug/L		08/29/25 07:00	08/29/25 16:00	1
N-Nitrosodiphenylamine	ND		10.0	0.190	ug/L		08/29/25 07:00	08/29/25 16:00	1
Pentachlorophenol	ND		10.0	2.80	ug/L		08/29/25 07:00	08/29/25 16:00	1
Phenanthrene	ND		10.0	0.740	ug/L		08/29/25 07:00	08/29/25 16:00	1
Phenol	ND		10.0	0.680	ug/L		08/29/25 07:00	08/29/25 16:00	1
Pyrene	ND		10.0	0.630	ug/L		08/29/25 07:00	08/29/25 16:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*84*		*10 - 150*	*08/29/25 07:00*	*08/29/25 16:00*	*1*
2-Fluorobiphenyl (Surr)	*78*		*25 - 139*	*08/29/25 07:00*	*08/29/25 16:00*	*1*
2-Fluorophenol (Surr)	*97*		*10 - 150*	*08/29/25 07:00*	*08/29/25 16:00*	*1*
Nitrobenzene-d5 (Surr)	*90*		*22 - 150*	*08/29/25 07:00*	*08/29/25 16:00*	*1*
Phenol-d5 (Surr)	*100*		*10 - 150*	*08/29/25 07:00*	*08/29/25 16:00*	*1*
Terphenyl-d14 (Surr)	*84*		*28 - 150*	*08/29/25 07:00*	*08/29/25 16:00*	*1*

Lab Sample ID: LCS 400-721396/2-A
Matrix: Water
Analysis Batch: 721385

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 721396

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	33.3	22.38		ug/L		67	27 - 120
2,4,5-Trichlorophenol	33.3	34.00		ug/L		102	27 - 136
2,4,6-Trichlorophenol	33.3	32.27		ug/L		97	21 - 132
2,4-Dichlorophenol	33.3	33.13		ug/L		99	30 - 125
2,4-Dimethylphenol	33.3	29.30		ug/L		88	10 - 142
2,4-Dinitrophenol	66.7	ND	*-	ug/L		6	10 - 150
2,4-Dinitrotoluene	33.3	28.74		ug/L		86	30 - 129
2,6-Dinitrotoluene	33.3	30.05		ug/L		90	34 - 132
2-Chloronaphthalene	33.3	20.50		ug/L		61	10 - 150
2-Chlorophenol	33.3	28.56		ug/L		86	28 - 127
2-Methylnaphthalene	33.3	23.43		ug/L		70	24 - 150
2-Methylphenol	33.3	34.84		ug/L		105	11 - 121
2-Nitroaniline	33.3	32.14		ug/L		96	31 - 141
2-Nitrophenol	33.3	31.37		ug/L		94	31 - 142
3 & 4 Methylphenol	33.3	33.21		ug/L		100	10 - 150
3,3'-Dichlorobenzidine	66.7	35.59		ug/L		53	10 - 150
3-Nitroaniline	33.3	29.05		ug/L		87	33 - 136

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

Lab Sample ID: LCS 400-721396/2-A
Matrix: Water
Analysis Batch: 721385

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 721396

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,6-Dinitro-2-methylphenol	66.7	8.298	J	ug/L		12	10 - 150
4-Bromophenyl phenyl ether	33.3	25.69		ug/L		77	24 - 120
4-Chloro-3-methylphenol	33.3	36.23		ug/L		109	10 - 137
4-Chloroaniline	33.3	26.93		ug/L		81	10 - 150
4-Chlorophenyl phenyl ether	33.3	24.89		ug/L		75	31 - 110
4-Nitroaniline	33.3	26.94		ug/L		81	37 - 139
4-Nitrophenol	66.7	70.73		ug/L		106	10 - 150
Acenaphthene	33.3	25.52		ug/L		77	29 - 150
Acenaphthylene	33.3	27.81		ug/L		83	30 - 150
Acetophenone	33.3	29.06		ug/L		87	27 - 119
Anthracene	33.3	27.45		ug/L		82	31 - 150
Atrazine	33.3	24.45		ug/L		73	10 - 150
Benzaldehyde	33.3	21.84		ug/L		66	10 - 150
Benzo[a]anthracene	33.3	33.51		ug/L		101	36 - 150
Benzo[a]pyrene	33.3	28.20		ug/L		85	29 - 150
Benzo[b]fluoranthene	33.3	28.83		ug/L		86	32 - 150
Benzo[g,h,i]perylene	33.3	28.28		ug/L		85	28 - 150
Benzo[k]fluoranthene	33.3	28.66		ug/L		86	30 - 150
bis (2-chloroisopropyl) ether	33.3	25.35	I	ug/L		76	32 - 115
Bis(2-chloroethoxy)methane	33.3	30.76		ug/L		92	34 - 120
Bis(2-chloroethyl)ether	33.3	28.88		ug/L		87	32 - 114
Bis(2-ethylhexyl) phthalate	33.3	29.37		ug/L		88	24 - 133
Butyl benzyl phthalate	33.3	24.81		ug/L		74	24 - 140
Caprolactam	33.3	53.30	*+	ug/L		160	10 - 150
Carbazole	33.3	26.66		ug/L		80	28 - 123
Chrysene	33.3	33.39		ug/L		100	34 - 150
Dibenz(a,h)anthracene	33.3	28.27		ug/L		85	29 - 150
Dibenzofuran	33.3	25.98		ug/L		78	35 - 110
Diethyl phthalate	33.3	17.71		ug/L		53	31 - 118
Dimethyl phthalate	33.3	17.54		ug/L		53	24 - 125
Di-n-butyl phthalate	33.3	21.03		ug/L		63	30 - 127
Di-n-octyl phthalate	33.3	31.49		ug/L		94	28 - 142
Fluoranthene	33.3	26.32		ug/L		79	30 - 150
Fluorene	33.3	25.77		ug/L		77	30 - 150
Hexachlorobenzene	33.3	25.68		ug/L		77	29 - 113
Hexachlorobutadiene	33.3	9.355	J	ug/L		28	10 - 117
Hexachlorocyclopentadiene	33.3	4.003	J	ug/L		12	10 - 150
Hexachloroethane	33.3	11.58		ug/L		35	10 - 112
Indeno[1,2,3-cd]pyrene	33.3	26.55		ug/L		80	28 - 150
Isophorone	33.3	28.53		ug/L		86	29 - 125
Naphthalene	33.3	22.42		ug/L		67	27 - 150
Nitrobenzene	33.3	29.31		ug/L		88	29 - 129
N-Nitrosodi-n-propylamine	33.3	27.75		ug/L		83	53 - 134
N-Nitrosodiphenylamine	33.1	28.86		ug/L		87	62 - 132
Pentachlorophenol	66.7	42.91		ug/L		64	14 - 150
Phenanthrene	33.3	27.38		ug/L		82	32 - 150
Phenol	33.3	34.89	I	ug/L		105	10 - 150
Pyrene	33.3	25.52		ug/L		77	30 - 150

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

Lab Sample ID: LCS 400-721396/2-A
Matrix: Water
Analysis Batch: 721385

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 721396

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*78*		*10 - 150*
2-Fluorobiphenyl (Surr)	*67*		*25 - 139*
2-Fluorophenol (Surr)	*91*		*10 - 150*
Nitrobenzene-d5 (Surr)	*82*		*22 - 150*
Phenol-d5 (Surr)	*100*		*10 - 150*
Terphenyl-d14 (Surr)	*68*		*28 - 150*

Lab Sample ID: LCSD 400-721396/3-A
Matrix: Water
Analysis Batch: 721385

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 721396

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl			33.3	23.18		ug/L		70	27 - 120	4	40
2,4,5-Trichlorophenol			33.3	37.14		ug/L		111	27 - 136	9	40
2,4,6-Trichlorophenol			33.3	34.46		ug/L		103	21 - 132	7	40
2,4-Dichlorophenol			33.3	35.17		ug/L		106	30 - 125	6	40
2,4-Dimethylphenol			33.3	31.04		ug/L		93	10 - 142	6	40
2,4-Dinitrophenol			66.7	6.905	J *1	ug/L		10	10 - 150	48	40
2,4-Dinitrotoluene			33.3	30.65		ug/L		92	30 - 129	6	40
2,6-Dinitrotoluene			33.3	31.56		ug/L		95	34 - 132	5	40
2-Chloronaphthalene			33.3	21.30		ug/L		64	10 - 150	4	40
2-Chlorophenol			33.3	29.28		ug/L		88	28 - 127	2	40
2-Methylnaphthalene			33.3	23.55		ug/L		71	24 - 150	0	40
2-Methylphenol			33.3	33.69		ug/L		101	11 - 121	3	40
2-Nitroaniline			33.3	34.06		ug/L		102	31 - 141	6	40
2-Nitrophenol			33.3	33.86		ug/L		102	31 - 142	8	40
3 & 4 Methylphenol			33.3	33.84		ug/L		102	10 - 150	2	40
3,3'-Dichlorobenzidine			66.7	36.87		ug/L		55	10 - 150	4	40
3-Nitroaniline			33.3	30.01		ug/L		90	33 - 136	3	40
4,6-Dinitro-2-methylphenol			66.7	11.13		ug/L		17	10 - 150	29	40
4-Bromophenyl phenyl ether			33.3	27.19		ug/L		82	24 - 120	6	40
4-Chloro-3-methylphenol			33.3	38.87		ug/L		117	10 - 137	7	40
4-Chloroaniline			33.3	27.28		ug/L		82	10 - 150	1	40
4-Chlorophenyl phenyl ether			33.3	26.22		ug/L		79	31 - 110	5	40
4-Nitroaniline			33.3	27.96		ug/L		84	37 - 139	4	40
4-Nitrophenol			66.7	76.75		ug/L		115	10 - 150	8	40
Acenaphthene			33.3	26.38		ug/L		79	29 - 150	3	40
Acenaphthylene			33.3	28.57		ug/L		86	30 - 150	3	40
Acetophenone			33.3	28.74		ug/L		86	27 - 119	1	40
Anthracene			33.3	28.71		ug/L		86	31 - 150	4	40
Atrazine			33.3	26.25		ug/L		79	10 - 150	7	40
Benzaldehyde			33.3	22.34		ug/L		67	10 - 150	2	40
Benzo[a]anthracene			33.3	36.53		ug/L		110	36 - 150	9	40
Benzo[a]pyrene			33.3	30.52		ug/L		92	29 - 150	8	40
Benzo[b]fluoranthene			33.3	30.91		ug/L		93	32 - 150	7	40
Benzo[g,h,i]perylene			33.3	30.16		ug/L		90	28 - 150	6	40
Benzo[k]fluoranthene			33.3	30.70		ug/L		92	30 - 150	7	40
bis (2-chloroisopropyl) ether			33.3	24.79	I	ug/L		74	32 - 115	2	40

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

Lab Sample ID: LCSD 400-721396/3-A
Matrix: Water
Analysis Batch: 721385

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 721396

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bis(2-chloroethoxy)methane	33.3	31.19		ug/L		94	34 - 120	1	40
Bis(2-chloroethyl)ether	33.3	28.40		ug/L		85	32 - 114	2	40
Bis(2-ethylhexyl) phthalate	33.3	30.98		ug/L		93	24 - 133	5	40
Butyl benzyl phthalate	33.3	26.97		ug/L		81	24 - 140	8	40
Caprolactam	33.3	53.73	*+	ug/L		161	10 - 150	1	40
Carbazole	33.3	28.22		ug/L		85	28 - 123	6	40
Chrysene	33.3	35.04		ug/L		105	34 - 150	5	40
Dibenz(a,h)anthracene	33.3	30.12		ug/L		90	29 - 150	6	40
Dibenzofuran	33.3	27.16		ug/L		81	35 - 110	4	40
Diethyl phthalate	33.3	19.85		ug/L		60	31 - 118	11	40
Dimethyl phthalate	33.3	19.62		ug/L		59	24 - 125	11	40
Di-n-butyl phthalate	33.3	22.68		ug/L		68	30 - 127	8	40
Di-n-octyl phthalate	33.3	33.15		ug/L		99	28 - 142	5	40
Fluoranthene	33.3	27.53		ug/L		83	30 - 150	4	40
Fluorene	33.3	27.03		ug/L		81	30 - 150	5	40
Hexachlorobenzene	33.3	26.91		ug/L		81	29 - 113	5	40
Hexachlorobutadiene	33.3	9.425	J	ug/L		28	10 - 117	1	40
Hexachlorocyclopentadiene	33.3	4.527	J	ug/L		14	10 - 150	12	40
Hexachloroethane	33.3	10.81		ug/L		32	10 - 112	7	40
Indeno[1,2,3-cd]pyrene	33.3	28.55		ug/L		86	28 - 150	7	40
Isophorone	33.3	27.98		ug/L		84	29 - 125	2	40
Naphthalene	33.3	22.40		ug/L		67	27 - 150	0	40
Nitrobenzene	33.3	29.27		ug/L		88	29 - 129	0	40
N-Nitrosodi-n-propylamine	33.3	26.67		ug/L		80	53 - 134	4	40
N-Nitrosodiphenylamine	33.1	30.03		ug/L		91	62 - 132	4	40
Pentachlorophenol	66.7	47.39		ug/L		71	14 - 150	10	40
Phenanthrene	33.3	28.93		ug/L		87	32 - 150	5	40
Phenol	33.3	35.46	I	ug/L		106	10 - 150	2	40
Pyrene	33.3	27.07		ug/L		81	30 - 150	6	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*86*		*10 - 150*
2-Fluorobiphenyl (Surr)	*72*		*25 - 139*
2-Fluorophenol (Surr)	*95*		*10 - 150*
Nitrobenzene-d5 (Surr)	*84*		*22 - 150*
Phenol-d5 (Surr)	*105*		*10 - 150*
Terphenyl-d14 (Surr)	*74*		*28 - 150*

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

Lab Sample ID: MB 400-721223/1-A
Matrix: Water
Analysis Batch: 721460

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 721223

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.300	0.300	ug/L		08/28/25 07:00	08/29/25 16:54	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*128*		*10 - 140*	*08/28/25 07:00*	*08/29/25 16:54*	*1*

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

Lab Sample ID: LCS 400-721223/2-A
Matrix: Water
Analysis Batch: 721460

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 721223

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane			16.0	15.94		ug/L		100	30 - 150		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Dioxane-d8	*105*		*10 - 140*

Lab Sample ID: LCSD 400-721223/3-A
Matrix: Water
Analysis Batch: 721460

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 721223

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane			16.0	16.14		ug/L		101	30 - 150	1	

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,4-Dioxane-d8	*103*		*10 - 140*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 705-78884/1-A
Matrix: Water
Analysis Batch: 79775

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 78884

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	2.45	ug/L		09/02/25 12:35	09/03/25 23:55	1
Arsenic	ND		5.00	1.32	ug/L		09/02/25 12:35	09/03/25 23:55	1
Barium	ND		10.0	0.410	ug/L		09/02/25 12:35	09/03/25 23:55	1
Beryllium	ND		1.00	0.147	ug/L		09/02/25 12:35	09/03/25 23:55	1
Cadmium	ND		0.700	0.237	ug/L		09/02/25 12:35	09/03/25 23:55	1
Chromium	ND		5.00	3.69	ug/L		09/02/25 12:35	09/03/25 23:55	1
Cobalt	ND		5.00	0.411	ug/L		09/02/25 12:35	09/03/25 23:55	1
Copper	ND		2.00	0.642	ug/L		09/02/25 12:35	09/03/25 23:55	1
Lead	ND		1.00	0.864	ug/L		09/02/25 12:35	09/03/25 23:55	1
Manganese	ND		5.00	1.29	ug/L		09/02/25 12:35	09/03/25 23:55	1
Nickel	ND		5.00	0.422	ug/L		09/02/25 12:35	09/03/25 23:55	1
Selenium	ND		5.00	2.29	ug/L		09/02/25 12:35	09/03/25 23:55	1
Silver	ND		1.00	0.167	ug/L		09/02/25 12:35	09/03/25 23:55	1
Thallium	ND		1.00	0.190	ug/L		09/02/25 12:35	09/03/25 23:55	1
Vanadium	ND		5.00	1.22	ug/L		09/02/25 12:35	09/03/25 23:55	1
Zinc	ND		10.0	8.91	ug/L		09/02/25 12:35	09/03/25 23:55	1

Lab Sample ID: LCS 705-78884/2-A
Matrix: Water
Analysis Batch: 79775

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 78884

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Antimony			100	100.9		ug/L		101	80 - 120		
Arsenic			100	103.5		ug/L		103	80 - 120		
Barium			100	98.05		ug/L		98	80 - 120		
Beryllium			100	95.68		ug/L		96	80 - 120		
Cadmium			100	101.9		ug/L		102	80 - 120		

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

Lab Sample ID: LCS 705-78884/2-A
Matrix: Water
Analysis Batch: 79775

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 78884

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	100	104.0		ug/L		104	80 - 120
Cobalt	100	101.9		ug/L		102	80 - 120
Copper	100	101.3		ug/L		101	80 - 120
Lead	100	98.63		ug/L		99	80 - 120
Manganese	100	100.2		ug/L		100	80 - 120
Nickel	100	100.9		ug/L		101	80 - 120
Selenium	100	96.96		ug/L		97	80 - 120
Silver	10.0	9.889		ug/L		99	80 - 120
Thallium	100	95.48		ug/L		95	80 - 120
Vanadium	100	101.9		ug/L		102	80 - 120
Zinc	100	100.8		ug/L		101	80 - 120

Lab Sample ID: MB 705-78981/1-A
Matrix: Water
Analysis Batch: 80133

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 78981

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	2.45	ug/L		09/02/25 16:40	09/06/25 02:22	1
Arsenic	ND		5.00	1.32	ug/L		09/02/25 16:40	09/06/25 02:22	1
Barium	ND		10.0	0.410	ug/L		09/02/25 16:40	09/06/25 02:22	1
Beryllium	ND		1.00	0.147	ug/L		09/02/25 16:40	09/06/25 02:22	1
Cadmium	ND		0.700	0.237	ug/L		09/02/25 16:40	09/06/25 02:22	1
Chromium	ND		5.00	3.69	ug/L		09/02/25 16:40	09/06/25 02:22	1
Cobalt	ND		5.00	0.411	ug/L		09/02/25 16:40	09/06/25 02:22	1
Copper	ND		2.00	0.642	ug/L		09/02/25 16:40	09/06/25 02:22	1
Lead	ND		1.00	0.864	ug/L		09/02/25 16:40	09/06/25 02:22	1
Manganese	ND		5.00	1.29	ug/L		09/02/25 16:40	09/06/25 02:22	1
Nickel	ND		5.00	0.422	ug/L		09/02/25 16:40	09/06/25 02:22	1
Selenium	ND		5.00	2.29	ug/L		09/02/25 16:40	09/06/25 02:22	1
Silver	ND		1.00	0.167	ug/L		09/02/25 16:40	09/06/25 02:22	1
Thallium	ND		1.00	0.190	ug/L		09/02/25 16:40	09/06/25 02:22	1
Vanadium	ND		5.00	1.22	ug/L		09/02/25 16:40	09/06/25 02:22	1
Zinc	ND		10.0	8.91	ug/L		09/02/25 16:40	09/06/25 02:22	1

Lab Sample ID: LCS 705-78981/2-A
Matrix: Water
Analysis Batch: 80133

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 78981

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	100	102.0		ug/L		102	80 - 120
Arsenic	100	100.5		ug/L		101	80 - 120
Barium	100	101.4		ug/L		101	80 - 120
Beryllium	100	94.03		ug/L		94	80 - 120
Cadmium	100	98.09		ug/L		98	80 - 120
Chromium	100	102.4		ug/L		102	80 - 120
Cobalt	100	102.3		ug/L		102	80 - 120
Copper	100	102.5		ug/L		103	80 - 120
Lead	100	102.2		ug/L		102	80 - 120
Manganese	100	100.5		ug/L		101	80 - 120

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

Lab Sample ID: LCS 705-78981/2-A
Matrix: Water
Analysis Batch: 80133

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 78981

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nickel	100	102.7		ug/L		103	80 - 120
Selenium	100	100.7		ug/L		101	80 - 120
Silver	10.0	10.01		ug/L		100	80 - 120
Thallium	100	102.8		ug/L		103	80 - 120
Vanadium	100	102.5		ug/L		103	80 - 120
Zinc	100	101.3		ug/L		101	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 705-80559/1-A
Matrix: Water
Analysis Batch: 80891

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 80559

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.166	ug/L		09/09/25 14:35	09/09/25 21:44	1

Lab Sample ID: LCS 705-80559/2-A
Matrix: Water
Analysis Batch: 80891

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 80559

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	4.00	3.993		ug/L		100	80 - 120

Lab Sample ID: MB 705-80829/1-A
Matrix: Water
Analysis Batch: 80924

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 80829

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.166	ug/L		09/10/25 14:39	09/10/25 20:15	1

Lab Sample ID: LCS 705-80829/2-A
Matrix: Water
Analysis Batch: 80924

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 80829

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	4.00	3.945		ug/L		99	80 - 120

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 752-13331/12
Matrix: Water
Analysis Batch: 13331

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.0500	0.0200	mg/L			09/03/25 10:27	1

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: LCS 752-13331/13
Matrix: Water
Analysis Batch: 13331

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ammonia			1.02	1.012		mg/L		100	90 - 110		

Lab Sample ID: 752-36232-6 MS
Matrix: Water
Analysis Batch: 13331

Client Sample ID: Duplicate -1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Ammonia	ND	F1	0.395	0.08030	F1	mg/L		20	90 - 110		

Lab Sample ID: 752-36232-6 MSD
Matrix: Water
Analysis Batch: 13331

Client Sample ID: Duplicate -1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia	ND	F1	0.395	0.1022	F1	mg/L		26	90 - 110	24	30

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 400-722270/31
Matrix: Water
Analysis Batch: 722270

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		5.00	1.40	mg/L			09/08/25 10:36	1

Lab Sample ID: LCS 400-722270/32
Matrix: Water
Analysis Batch: 722270

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			15.0	14.72		mg/L		98	90 - 110		

Lab Sample ID: MRL 400-722270/33
Matrix: Water
Analysis Batch: 722270

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			5.00	4.658	J	mg/L		93	50 - 150		

Lab Sample ID: 752-36232-1 MS
Matrix: Water
Analysis Batch: 722270

Client Sample ID: MW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate	36.0		10.0	48.57		mg/L		126	77 - 128		

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 752-36232-1

Method: SM 4500 SO4 E - Sulfate, Total (Continued)

Lab Sample ID: 752-36232-1 MSD
Matrix: Water
Analysis Batch: 722270

Client Sample ID: MW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	36.0		10.0	47.38		mg/L		114	77 - 128	2	5

GC/MS VOA

Analysis Batch: 721717

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-36232-1	MW-3	Total/NA	Water	8260D	
752-36232-2	MW-6	Total/NA	Water	8260D	
752-36232-3	MW-7	Total/NA	Water	8260D	
752-36232-4	A-MW-3	Total/NA	Water	8260D	
752-36232-5	A-MW-4	Total/NA	Water	8260D	
752-36232-6	Duplicate -1	Total/NA	Water	8260D	
752-36232-7	Trip Blank	Total/NA	Water	8260D	
MB 400-721717/5	Method Blank	Total/NA	Water	8260D	
LCS 400-721717/1002	Lab Control Sample	Total/NA	Water	8260D	
752-36232-1 MS	MW-3	Total/NA	Water	8260D	
752-36232-1 MSD	MW-3	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 721223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-36232-1	MW-3	Total/NA	Water	3510C	
752-36232-2	MW-6	Total/NA	Water	3510C	
752-36232-3	MW-7	Total/NA	Water	3510C	
752-36232-4	A-MW-3	Total/NA	Water	3510C	
752-36232-5	A-MW-4	Total/NA	Water	3510C	
752-36232-6	Duplicate -1	Total/NA	Water	3510C	
MB 400-721223/1-A	Method Blank	Total/NA	Water	3510C	
LCS 400-721223/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 400-721223/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 721385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-721396/1-A	Method Blank	Total/NA	Water	8270E	721396
LCS 400-721396/2-A	Lab Control Sample	Total/NA	Water	8270E	721396
LCSD 400-721396/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	721396

Prep Batch: 721396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-36232-1	MW-3	Total/NA	Water	3511	
752-36232-2	MW-6	Total/NA	Water	3511	
752-36232-3	MW-7	Total/NA	Water	3511	
752-36232-4	A-MW-3	Total/NA	Water	3511	
752-36232-5	A-MW-4	Total/NA	Water	3511	
752-36232-6	Duplicate -1	Total/NA	Water	3511	
MB 400-721396/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-721396/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-721396/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 721460

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-36232-1	MW-3	Total/NA	Water	8270E SIM ID	721223
752-36232-2	MW-6	Total/NA	Water	8270E SIM ID	721223
752-36232-3	MW-7	Total/NA	Water	8270E SIM ID	721223
752-36232-4	A-MW-3	Total/NA	Water	8270E SIM ID	721223
752-36232-5	A-MW-4	Total/NA	Water	8270E SIM ID	721223

GC/MS Semi VOA (Continued)

Analysis Batch: 721460 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-36232-6	Duplicate -1	Total/NA	Water	8270E SIM ID	721223
MB 400-721223/1-A	Method Blank	Total/NA	Water	8270E SIM ID	721223
LCS 400-721223/2-A	Lab Control Sample	Total/NA	Water	8270E SIM ID	721223
LCSD 400-721223/3-A	Lab Control Sample Dup	Total/NA	Water	8270E SIM ID	721223

Analysis Batch: 721493

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-36232-1	MW-3	Total/NA	Water	8270E	721396
752-36232-2	MW-6	Total/NA	Water	8270E	721396
752-36232-3	MW-7	Total/NA	Water	8270E	721396
752-36232-4	A-MW-3	Total/NA	Water	8270E	721396
752-36232-5	A-MW-4	Total/NA	Water	8270E	721396
752-36232-6	Duplicate -1	Total/NA	Water	8270E	721396

Metals

Prep Batch: 78884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-36232-1	MW-3	Total Recoverable	Water	3005A	
752-36232-2	MW-6	Total Recoverable	Water	3005A	
752-36232-3	MW-7	Total Recoverable	Water	3005A	
MB 705-78884/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 705-78884/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 78981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-36232-4	A-MW-3	Total Recoverable	Water	3005A	
752-36232-5	A-MW-4	Total Recoverable	Water	3005A	
752-36232-6	Duplicate -1	Total Recoverable	Water	3005A	
MB 705-78981/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 705-78981/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 79775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-36232-1	MW-3	Total Recoverable	Water	6020B	78884
752-36232-2	MW-6	Total Recoverable	Water	6020B	78884
752-36232-3	MW-7	Total Recoverable	Water	6020B	78884
MB 705-78884/1-A	Method Blank	Total Recoverable	Water	6020B	78884
LCS 705-78884/2-A	Lab Control Sample	Total Recoverable	Water	6020B	78884

Analysis Batch: 80133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-36232-4	A-MW-3	Total Recoverable	Water	6020B	78981
752-36232-5	A-MW-4	Total Recoverable	Water	6020B	78981
752-36232-6	Duplicate -1	Total Recoverable	Water	6020B	78981
MB 705-78981/1-A	Method Blank	Total Recoverable	Water	6020B	78981
LCS 705-78981/2-A	Lab Control Sample	Total Recoverable	Water	6020B	78981

Prep Batch: 80559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-36232-1	MW-3	Total/NA	Water	7470A	

Metals (Continued)

Prep Batch: 80559 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-36232-2	MW-6	Total/NA	Water	7470A	
MB 705-80559/1-A	Method Blank	Total/NA	Water	7470A	
LCS 705-80559/2-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 80829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-36232-3	MW-7	Total/NA	Water	7470A	
752-36232-4	A-MW-3	Total/NA	Water	7470A	
752-36232-5	A-MW-4	Total/NA	Water	7470A	
752-36232-6	Duplicate -1	Total/NA	Water	7470A	
MB 705-80829/1-A	Method Blank	Total/NA	Water	7470A	
LCS 705-80829/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 80891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-36232-1	MW-3	Total/NA	Water	7470A	80559
752-36232-2	MW-6	Total/NA	Water	7470A	80559
MB 705-80559/1-A	Method Blank	Total/NA	Water	7470A	80559
LCS 705-80559/2-A	Lab Control Sample	Total/NA	Water	7470A	80559

Analysis Batch: 80924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-36232-3	MW-7	Total/NA	Water	7470A	80829
752-36232-4	A-MW-3	Total/NA	Water	7470A	80829
752-36232-5	A-MW-4	Total/NA	Water	7470A	80829
752-36232-6	Duplicate -1	Total/NA	Water	7470A	80829
MB 705-80829/1-A	Method Blank	Total/NA	Water	7470A	80829
LCS 705-80829/2-A	Lab Control Sample	Total/NA	Water	7470A	80829

Analysis Batch: 81630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-36232-4	A-MW-3	Total Recoverable	Water	6020B	78981

Analysis Batch: 82281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-36232-1	MW-3	Total Recoverable	Water	6020B	78884
752-36232-2	MW-6	Total Recoverable	Water	6020B	78884

General Chemistry

Analysis Batch: 13295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-36232-1	MW-3	Total/NA	Water	Nitrate by calc	
752-36232-2	MW-6	Total/NA	Water	Nitrate by calc	
752-36232-3	MW-7	Total/NA	Water	Nitrate by calc	
752-36232-4	A-MW-3	Total/NA	Water	Nitrate by calc	
752-36232-5	A-MW-4	Total/NA	Water	Nitrate by calc	
752-36232-6	Duplicate -1	Total/NA	Water	Nitrate by calc	

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 752-36232-1

General Chemistry

Analysis Batch: 13331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-36232-1	MW-3	Total/NA	Water	350.1	
752-36232-2	MW-6	Total/NA	Water	350.1	
752-36232-3	MW-7	Total/NA	Water	350.1	
752-36232-4	A-MW-3	Total/NA	Water	350.1	
752-36232-5	A-MW-4	Total/NA	Water	350.1	
752-36232-6	Duplicate -1	Total/NA	Water	350.1	
MB 752-13331/12	Method Blank	Total/NA	Water	350.1	
LCS 752-13331/13	Lab Control Sample	Total/NA	Water	350.1	
752-36232-6 MS	Duplicate -1	Total/NA	Water	350.1	
752-36232-6 MSD	Duplicate -1	Total/NA	Water	350.1	

Analysis Batch: 722270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-36232-1	MW-3	Total/NA	Water	SM 4500 SO4 E	
752-36232-2	MW-6	Total/NA	Water	SM 4500 SO4 E	
752-36232-3	MW-7	Total/NA	Water	SM 4500 SO4 E	
752-36232-4	A-MW-3	Total/NA	Water	SM 4500 SO4 E	
752-36232-5	A-MW-4	Total/NA	Water	SM 4500 SO4 E	
752-36232-6	Duplicate -1	Total/NA	Water	SM 4500 SO4 E	
MB 400-722270/31	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-722270/32	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MRL 400-722270/33	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
752-36232-1 MS	MW-3	Total/NA	Water	SM 4500 SO4 E	
752-36232-1 MSD	MW-3	Total/NA	Water	SM 4500 SO4 E	

Lab Chronicle

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 752-36232-1

Client Sample ID: MW-3

Lab Sample ID: 752-36232-1

Date Collected: 08/26/25 15:50

Matrix: Water

Date Received: 08/27/25 10:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	721717	RSG	EET PEN	09/03/25 13:33
Total/NA	Prep	3511			721396	JPH	EET PEN	08/29/25 07:00
Total/NA	Analysis	8270E		1	721493	UI	EET PEN	08/29/25 19:23
Total/NA	Prep	3510C			721223	BKL	EET PEN	08/28/25 07:00
Total/NA	Analysis	8270E SIM ID		1	721460	KJA	EET PEN	08/29/25 22:20
Total Recoverable	Prep	3005A			78884	BR	EET ATL	09/02/25 12:35
Total Recoverable	Analysis	6020B		1	82281	IF	EET ATL	09/16/25 18:10
Total Recoverable	Prep	3005A			78884	BR	EET ATL	09/02/25 12:35
Total Recoverable	Analysis	6020B		1	79775	MD	EET ATL	09/04/25 01:47
Total/NA	Prep	7470A			80559	GR	EET ATL	09/09/25 14:35
Total/NA	Analysis	7470A		1	80891	GR	EET ATL	09/09/25 22:03
Total/NA	Analysis	350.1		1	13331	ME	EET RAL	09/03/25 10:46
Total/NA	Analysis	Nitrate by calc		1	13295	LEB	EET RAL	09/02/25 11:27
Total/NA	Analysis	SM 4500 SO4 E		1	722270	CJK	EET PEN	09/08/25 11:21

Client Sample ID: MW-6

Lab Sample ID: 752-36232-2

Date Collected: 08/26/25 15:20

Matrix: Water

Date Received: 08/27/25 10:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	721717	RSG	EET PEN	09/03/25 15:59
Total/NA	Prep	3511			721396	JPH	EET PEN	08/29/25 07:00
Total/NA	Analysis	8270E		1	721493	UI	EET PEN	08/29/25 19:53
Total/NA	Prep	3510C			721223	BKL	EET PEN	08/28/25 07:00
Total/NA	Analysis	8270E SIM ID		1	721460	KJA	EET PEN	08/29/25 22:41
Total Recoverable	Prep	3005A			78884	BR	EET ATL	09/02/25 12:35
Total Recoverable	Analysis	6020B		1	82281	IF	EET ATL	09/16/25 18:13
Total Recoverable	Prep	3005A			78884	BR	EET ATL	09/02/25 12:35
Total Recoverable	Analysis	6020B		1	79775	MD	EET ATL	09/04/25 01:50
Total/NA	Prep	7470A			80559	GR	EET ATL	09/09/25 14:35
Total/NA	Analysis	7470A		1	80891	GR	EET ATL	09/09/25 22:07
Total/NA	Analysis	350.1		1	13331	ME	EET RAL	09/03/25 10:48
Total/NA	Analysis	Nitrate by calc		1	13295	LEB	EET RAL	09/02/25 11:27
Total/NA	Analysis	SM 4500 SO4 E		2	722270	CJK	EET PEN	09/08/25 11:22

Client Sample ID: MW-7

Lab Sample ID: 752-36232-3

Date Collected: 08/26/25 13:45

Matrix: Water

Date Received: 08/27/25 10:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	721717	RSG	EET PEN	09/03/25 16:19
Total/NA	Prep	3511			721396	JPH	EET PEN	08/29/25 07:00
Total/NA	Analysis	8270E		1	721493	UI	EET PEN	08/29/25 20:22

Lab Chronicle

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 752-36232-1

Client Sample ID: MW-7

Lab Sample ID: 752-36232-3

Date Collected: 08/26/25 13:45

Matrix: Water

Date Received: 08/27/25 10:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			721223	BKL	EET PEN	08/28/25 07:00
Total/NA	Analysis	8270E SIM ID		1	721460	KJA	EET PEN	08/29/25 23:03
Total Recoverable	Prep	3005A			78884	BR	EET ATL	09/02/25 12:35
Total Recoverable	Analysis	6020B		1	79775	MD	EET ATL	09/04/25 01:53
Total/NA	Prep	7470A			80829	GR	EET ATL	09/10/25 14:39
Total/NA	Analysis	7470A		1	80924	GR	EET ATL	09/10/25 20:46
Total/NA	Analysis	350.1		1	13331	ME	EET RAL	09/03/25 10:50
Total/NA	Analysis	Nitrate by calc		1	13295	LEB	EET RAL	09/02/25 11:27
Total/NA	Analysis	SM 4500 SO4 E		1	722270	CJK	EET PEN	09/08/25 11:22

Client Sample ID: A-MW-3

Lab Sample ID: 752-36232-4

Date Collected: 08/26/25 11:30

Matrix: Water

Date Received: 08/27/25 10:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	721717	RSG	EET PEN	09/03/25 16:40
Total/NA	Prep	3511			721396	JPH	EET PEN	08/29/25 07:00
Total/NA	Analysis	8270E		1	721493	UI	EET PEN	08/29/25 20:52
Total/NA	Prep	3510C			721223	BKL	EET PEN	08/28/25 07:00
Total/NA	Analysis	8270E SIM ID		1	721460	KJA	EET PEN	08/29/25 23:25
Total Recoverable	Prep	3005A			78981	KB	EET ATL	09/02/25 16:40
Total Recoverable	Analysis	6020B		1	80133	IF	EET ATL	09/06/25 03:33
Total Recoverable	Prep	3005A			78981	KB	EET ATL	09/02/25 16:40
Total Recoverable	Analysis	6020B		10	81630	IF	EET ATL	09/11/25 21:29
Total/NA	Prep	7470A			80829	GR	EET ATL	09/10/25 14:39
Total/NA	Analysis	7470A		1	80924	GR	EET ATL	09/10/25 20:50
Total/NA	Analysis	350.1		1	13331	ME	EET RAL	09/03/25 10:51
Total/NA	Analysis	Nitrate by calc		1	13295	LEB	EET RAL	09/02/25 11:27
Total/NA	Analysis	SM 4500 SO4 E		5	722270	CJK	EET PEN	09/08/25 11:43

Client Sample ID: A-MW-4

Lab Sample ID: 752-36232-5

Date Collected: 08/26/25 10:35

Matrix: Water

Date Received: 08/27/25 10:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	721717	RSG	EET PEN	09/03/25 17:01
Total/NA	Prep	3511			721396	JPH	EET PEN	08/29/25 07:00
Total/NA	Analysis	8270E		1	721493	UI	EET PEN	08/29/25 21:22
Total/NA	Prep	3510C			721223	BKL	EET PEN	08/28/25 07:00
Total/NA	Analysis	8270E SIM ID		1	721460	KJA	EET PEN	08/29/25 23:47
Total Recoverable	Prep	3005A			78981	KB	EET ATL	09/02/25 16:40
Total Recoverable	Analysis	6020B		1	80133	IF	EET ATL	09/06/25 03:35
Total/NA	Prep	7470A			80829	GR	EET ATL	09/10/25 14:39
Total/NA	Analysis	7470A		1	80924	GR	EET ATL	09/10/25 20:54

Lab Chronicle

Client: S&ME Inc
Job ID: 752-36232-1
Project/Site: Lyon Park

Client Sample ID: A-MW-4
Lab Sample ID: 752-36232-5
Date Collected: 08/26/25 10:35
Matrix: Water
Date Received: 08/27/25 10:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	350.1		1	13331	ME	EET RAL	09/03/25 10:53
Total/NA	Analysis	Nitrate by calc		1	13295	LEB	EET RAL	09/02/25 11:27
Total/NA	Analysis	SM 4500 SO4 E		1	722270	CJK	EET PEN	09/08/25 11:23

Client Sample ID: Duplicate -1
Lab Sample ID: 752-36232-6
Date Collected: 08/26/25 00:00
Matrix: Water
Date Received: 08/27/25 10:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	721717	RSG	EET PEN	09/03/25 17:22
Total/NA	Prep	3511			721396	JPH	EET PEN	08/29/25 07:00
Total/NA	Analysis	8270E		1	721493	UI	EET PEN	08/29/25 21:52
Total/NA	Prep	3510C			721223	BKL	EET PEN	08/28/25 07:00
Total/NA	Analysis	8270E SIM ID		1	721460	KJA	EET PEN	08/30/25 00:08
Total Recoverable	Prep	3005A			78981	KB	EET ATL	09/02/25 16:40
Total Recoverable	Analysis	6020B		1	80133	IF	EET ATL	09/06/25 03:38
Total/NA	Prep	7470A			80829	GR	EET ATL	09/10/25 14:39
Total/NA	Analysis	7470A		1	80924	GR	EET ATL	09/10/25 20:58
Total/NA	Analysis	350.1		1	13331	ME	EET RAL	09/03/25 10:58
Total/NA	Analysis	Nitrate by calc		1	13295	LEB	EET RAL	09/02/25 11:27
Total/NA	Analysis	SM 4500 SO4 E		1	722270	CJK	EET PEN	09/08/25 11:23

Client Sample ID: Trip Blank
Lab Sample ID: 752-36232-7
Date Collected: 08/26/25 10:35
Matrix: Water
Date Received: 08/27/25 10:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	721717	RSG	EET PEN	09/03/25 17:42

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

EET RAL = Eurofins Raleigh, 104 Woodwinds Industrial Court, Suite A, Cary, NC 27511, TEL (919)467-3090

Accreditation/Certification Summary

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 752-36232-1

Laboratory: Eurofins Raleigh

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
North Carolina (WW/SW)	State	591	12-31-25

Laboratory: Eurofins Atlanta

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
North Carolina (WW/SW)	State	562	12-31-25

Laboratory: Eurofins Pensacola

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
North Carolina (WW/SW)	State	314	12-31-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260D		Water	Hexane
8260D		Water	n-Heptane
8270E	3511	Water	3 & 4 Methylphenol
8270E	3511	Water	4-Nitrophenol

Method Summary

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 752-36232-1

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
6020B	Metals (ICP/MS)	SW846	EET ATL
7470A	Mercury (CVAA)	SW846	EET ATL
350.1	Nitrogen, Ammonia	EPA	EET RAL
Nitrate by calc	Nitrogen, Nitrate-Nitrite	SM	EET RAL
SM 4500 SO4 E	Sulfate, Total	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: Lyon Park

Job ID: 752-36232-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
752-36232-1	MW-3	Water	08/26/25 15:50	08/27/25 10:08	North Carolina
752-36232-2	MW-6	Water	08/26/25 15:20	08/27/25 10:08	North Carolina
752-36232-3	MW-7	Water	08/26/25 13:45	08/27/25 10:08	North Carolina
752-36232-4	A-MW-3	Water	08/26/25 11:30	08/27/25 10:08	North Carolina
752-36232-5	A-MW-4	Water	08/26/25 10:35	08/27/25 10:08	North Carolina
752-36232-6	Duplicate -1	Water	08/26/25 00:00	08/27/25 10:08	North Carolina
752-36232-7	Trip Blank	Water	08/26/25 10:35	08/27/25 10:08	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: Cmy F.	Lab PM: Bechtold, Chad	Carrier Tracking No(s):	COC No: 680-169223-59654.2
Client Contact: Jerry Paul	Phone: 843-503-1042	E-Mail: Chad.Bechtold@et.eurofinsus.com	State of Origin:	Page: Page 2 of 2
Company: S&ME Inc	PWSID:			Job #:
Address: 3201 Spring Forest Road	Due Date Requested:			
City: Raleigh	TAT Requested (days):			
State, Zip: NC, 27616	Compliance Project: Δ Yes Δ No			
Phone: 919-872-2660(Tel) 919-876-3958(Fax)	PO #: 23050630, Phase BB			
Email: jpaul@smeinc.com	WO #:			
Project Name: Lyon Park	Project #: 68026680			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
N - None
S - H2SO4
D - HNO3
A - HCL

752-36232 COC

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9056A_ORGFM_28D - Sulfate	350.1 - Ammonia as N	6020B - PRLF 16 Metals, Including prep; 7470A -	8260D - VOC NC 02L List	8270E_SIM_MS_ID - 1,4-Dioxane	8270E_QQQ - SVOC TCL OLM4.2	353.2_Nitrite, Nitrate_Calc (48 hour HT)	353.2 - Nitrate+Nitrite	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	S	D	A	N	N	N	S		
MW-3	8/26/25	1550	C	W			/	/	/	/	/	/	/	/		
MW-6		1520					/	/	/	/	/	/	/	/		
MW-7		1345					/	/	/	/	/	/	/	/		
A-MW-3		1130					/	/	/	/		/	/	/		
A-MW-4		1035					/	/	/	/	/	/	/	/		
Duplicate-1							/	/	/	/	/	/	/	/		
Trip Blank										/						

Initial Temperature: 4.7/4.3°C
Correction Factor: -0.3°C
Corrected Temperature: 4.4/4.0°C
Temp IR Gun: CRY-T-132
Initials: RY BR PG DW DQ LB

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
	8/27/25 1000			082725 1008	
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: 752-6443.1
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 #: 752-36232-1
Address: 3355 McLemore Drive, ,	Due Date Requested: 9/5/2025			
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: Lyon Park	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)	Total Number of containers	8260D/5030CVOC NC 02L List	8270E_QQQ/3511SVOC TCL OLM4 2	SM4500_SO4_E	Special Instructions/Note:
			Preservation Code:						
MW-3 (752-36232-1)	8/26/25	15 50 Eastern	G	Water	3	X	X	X	
MW-6 (752-36232-2)	8/26/25	15 20 Eastern	G	Water	3	X	X	X	
MW-7 (752-36232-3)	8/26/25	13.45 Eastern	G	Water	3	X	X	X	
A-MW-3 (752-36232-4)	8/26/25	11 30 Eastern	G	Water	3	X	X	X	
A-MW-4 (752-36232-5)	8/26/25	10 35 Eastern	G	Water	3	X	X	X	
Duplicate -1 (752-36232-6)	8/26/25	Eastern	G	Water	3	X	X	X	
Trip Blank (752-36232-7)	8/26/25	10:35 Eastern	G	Water	1	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	PB	8/27/25 15:18			8.28.25 0907	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No..	Cooler Temperature(s) °C and Other Remarks: 1.5°C IR8 @ 20°C IR10

Ver 10/10/2024

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: 752-6440.1
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 #: 752-36232-1
Address: 3080 Presidential Dr, ,	Due Date Requested: 9/5/2025			
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: Lyon Park	Project #: 68026680			
Site: N/A	SSOW#: N/A			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	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-3 (752-36232-1)	8/26/25	15:50 Eastern	G	Water			X	X	1	
MW-6 (752-36232-2)	8/26/25	15:20 Eastern	G	Water			X	X	1	
MW-7 (752-36232-3)	8/26/25	13:45 Eastern	G	Water			X	X	1	
A-MW-3 (752-36232-4)	8/26/25	11:30 Eastern	G	Water			X	X	1	
A-MW-4 (752-36232-5)	8/26/25	10:35 Eastern	G	Water			X	X	1	
Duplicate -1 (752-36232-6)	8/26/25	Eastern	G	Water			X	X	1	

Preservation Codes: -
Other: N/A
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
PG	8/27/25 15:10		dch	8/28/25 9:37	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		2.0 #2665

Login Sample Receipt Checklist

Client: S&ME Inc

Job Number: 752-36232-1

Login Number: 36232

List Source: Eurofins Raleigh

List Number: 1

Creator: Yonish, Rachel

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: 752-36232-1

Login Number: 36232
List Number: 2
Creator: Ceclu, Rodica

List Source: Eurofins Atlanta
List Creation: 08/28/25 10:34 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: 752-36232-1

Login Number: 36232
List Number: 3
Creator: Bankston, Victoria K

List Source: Eurofins Pensacola
List Creation: 08/28/25 11:31 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.5 IR8, 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	

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 9/15/2025 5:30:02 PM

JOB DESCRIPTION

Lyon Park

JOB NUMBER

752-36298-1

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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9/15/2025 5:30:02 PM

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

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Definitions/Glossary

Client: S&ME Inc
Job ID: 752-36298-1
Project/Site: Lyon Park

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.
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.

GC/MS Semi VOA

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

Metals

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

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
752-36298-1

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 8/28/2025 10:15 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.0°C and 2.5°C.

GC/MS VOA
Method 8260D: The laboratory control sample (LCS) for analytical batch 400-721785 recovered outside control limits for the following analyte: Bromomethane. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

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

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

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

General Chemistry
Method SM4500_SO4_E: The following samples were diluted to bring the concentration of target analytes within the calibration range: A-MW-6 (752-36298-1), A-MW-7 (752-36298-2), A-MW-8 (752-36298-3), MW-1 (752-36298-5) and MW-4 (752-36298-7). 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: Lyon Park

Job ID: 752-36298-1

Client Sample ID: A-MW-6 — Lab Sample ID: 752-36298-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.522	J	1.00	0.400	ug/L	1		8260D	Total/NA
Barium	150		10.0	0.410	ug/L	1		6020B	Total Recoverable
Manganese	4.73	J	5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	2.43	J	5.00	0.422	ug/L	1		6020B	Total Recoverable
Vanadium	7.35		5.00	1.22	ug/L	1		6020B	Total Recoverable
Nitrate as N	0.158		0.100	0.0250	mg/L	1		Nitrate by calc	Total/NA
Sulfate	71.5		10.0	2.80	mg/L	2		SM 4500 SO4 E	Total/NA

Client Sample ID: A-MW-7 — Lab Sample ID: 752-36298-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	1.01		1.00	0.400	ug/L	1		8260D	Total/NA
Barium	23.7		10.0	0.410	ug/L	1		6020B	Total Recoverable
Cobalt	4.59	J	5.00	0.411	ug/L	1		6020B	Total Recoverable
Copper	1.47	J	2.00	0.642	ug/L	1		6020B	Total Recoverable
Manganese	643		5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	2.59	J	5.00	0.422	ug/L	1		6020B	Total Recoverable
Vanadium	1.48	J	5.00	1.22	ug/L	1		6020B	Total Recoverable
Nitrate as N	0.109		0.100	0.0250	mg/L	1		Nitrate by calc	Total/NA
Sulfate	353		50.0	14.0	mg/L	10		SM 4500 SO4 E	Total/NA

Client Sample ID: A-MW-8 — Lab Sample ID: 752-36298-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.984	J	1.00	0.400	ug/L	1		8260D	Total/NA
Barium	44.6		10.0	0.410	ug/L	1		6020B	Total Recoverable
Cobalt	1.25	J	5.00	0.411	ug/L	1		6020B	Total Recoverable
Copper	1.85	J	2.00	0.642	ug/L	1		6020B	Total Recoverable
Manganese	21.2		5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	1.68	J	5.00	0.422	ug/L	1		6020B	Total Recoverable
Vanadium	4.95	J	5.00	1.22	ug/L	1		6020B	Total Recoverable
Nitrate as N	3.47		0.100	0.0250	mg/L	1		Nitrate by calc	Total/NA
Sulfate	62.1		10.0	2.80	mg/L	2		SM 4500 SO4 E	Total/NA

Client Sample ID: A-MW-9 — Lab Sample ID: 752-36298-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	1.04		1.00	0.400	ug/L	1		8260D	Total/NA
Barium	57.9		10.0	0.410	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Raleigh

Client Sample ID: A-MW-9 (Continued) — Lab Sample ID: 752-36298-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	2.75	J	5.00	0.411	ug/L	1		6020B	Total Recoverable
Manganese	752		5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	5.16		5.00	0.422	ug/L	1		6020B	Total Recoverable
Sulfate	30.5		5.00	1.40	mg/L	1		SM 4500 SO4 E	Total/NA

Client Sample ID: MW-1 — Lab Sample ID: 752-36298-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	0.301		0.300	0.300	ug/L	1		8270E SIM ID	Total/NA
Barium	244		10.0	0.410	ug/L	1		6020B	Total Recoverable
Chromium	21.6		5.00	3.69	ug/L	1		6020B	Total Recoverable
Copper	3.61		2.00	0.642	ug/L	1		6020B	Total Recoverable
Manganese	38.7		5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	0.990	J	5.00	0.422	ug/L	1		6020B	Total Recoverable
Selenium	2.41	J	5.00	2.29	ug/L	1		6020B	Total Recoverable
Vanadium	5.08		5.00	1.22	ug/L	1		6020B	Total Recoverable
Nitrate as N	4.79		0.100	0.0250	mg/L	1		Nitrate by calc	Total/NA
Sulfate	67.7		10.0	2.80	mg/L	2		SM 4500 SO4 E	Total/NA

Client Sample ID: MW-2 — Lab Sample ID: 752-36298-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	0.598		0.280	0.280	ug/L	1		8270E SIM ID	Total/NA
Barium	187		10.0	0.410	ug/L	1		6020B	Total Recoverable
Copper	3.58		2.00	0.642	ug/L	1		6020B	Total Recoverable
Manganese	14.9		5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	0.669	J	5.00	0.422	ug/L	1		6020B	Total Recoverable
Vanadium	3.68	J	5.00	1.22	ug/L	1		6020B	Total Recoverable
Nitrate as N	1.25		0.100	0.0250	mg/L	1		Nitrate by calc	Total/NA
Sulfate	37.3		5.00	1.40	mg/L	1		SM 4500 SO4 E	Total/NA

Client Sample ID: MW-4 — Lab Sample ID: 752-36298-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.777	J	1.00	0.400	ug/L	1		8260D	Total/NA
Barium	283		10.0	0.410	ug/L	1		6020B	Total Recoverable
Cobalt	0.666	J	5.00	0.411	ug/L	1		6020B	Total Recoverable
Copper	3.18		2.00	0.642	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-4 (Continued) — Lab Sample ID: 752-36298-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	423		5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	1.44	J	5.00	0.422	ug/L	1		6020B	Total Recoverable
Vanadium	6.45		5.00	1.22	ug/L	1		6020B	Total Recoverable
Nitrate as N	0.257		0.100	0.0250	mg/L	1		Nitrate by calc	Total/NA
Sulfate	63.8	F1	10.0	2.80	mg/L	2		SM 4500 SO4 E	Total/NA

Client Sample ID: MW-5 — Lab Sample ID: 752-36298-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Caprolactam	3.44	J	9.80	2.35	ug/L	1		8270E	Total/NA
Barium	140		10.0	0.410	ug/L	1		6020B	Total Recoverable
Cobalt	0.605	J	5.00	0.411	ug/L	1		6020B	Total Recoverable
Copper	1.27	J	2.00	0.642	ug/L	1		6020B	Total Recoverable
Manganese	126		5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	1.07	J	5.00	0.422	ug/L	1		6020B	Total Recoverable
Vanadium	3.66	J	5.00	1.22	ug/L	1		6020B	Total Recoverable
Sulfate	13.0		5.00	1.40	mg/L	1		SM 4500 SO4 E	Total/NA

Client Sample ID: Duplicate-2 — Lab Sample ID: 752-36298-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.417	J	1.00	0.400	ug/L	1		8260D	Total/NA
1,4-Dioxane	0.410		0.297	0.297	ug/L	1		8270E SIM ID	Total/NA
Barium	177		10.0	0.410	ug/L	1		6020B	Total Recoverable
Copper	3.45		2.00	0.642	ug/L	1		6020B	Total Recoverable
Manganese	12.3		5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	0.658	J	5.00	0.422	ug/L	1		6020B	Total Recoverable
Vanadium	3.44	J	5.00	1.22	ug/L	1		6020B	Total Recoverable
Nitrate as N	1.05		0.100	0.0250	mg/L	1		Nitrate by calc	Total/NA
Sulfate	35.3		5.00	1.40	mg/L	1		SM 4500 SO4 E	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 752-36298-10

No Detections.

This Detection Summary does not include radiochemical test results.

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 752-36298-1

Client Sample ID: A-MW-6
Date Collected: 08/27/25 13:35
Date Received: 08/28/25 10:15

Lab Sample ID: 752-36298-1
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			09/03/25 16:38	1
Benzene	ND		1.00	0.500	ug/L			09/03/25 16:38	1
Bromobenzene	ND		1.00	0.540	ug/L			09/03/25 16:38	1
Bromoform	ND		5.00	0.250	ug/L			09/03/25 16:38	1
Bromomethane	ND	*+	1.00	0.980	ug/L			09/03/25 16:38	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			09/03/25 16:38	1
Carbon disulfide	ND		1.00	0.500	ug/L			09/03/25 16:38	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			09/03/25 16:38	1
Chlorobenzene	ND		1.00	0.420	ug/L			09/03/25 16:38	1
Chlorobromomethane	ND		1.00	0.520	ug/L			09/03/25 16:38	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			09/03/25 16:38	1
Chloroethane	ND		1.00	0.760	ug/L			09/03/25 16:38	1
Chloroform	ND		1.00	0.900	ug/L			09/03/25 16:38	1
Chloromethane	**0.522**	**J**	1.00	0.400	ug/L			09/03/25 16:38	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			09/03/25 16:38	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			09/03/25 16:38	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			09/03/25 16:38	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			09/03/25 16:38	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			09/03/25 16:38	1
Dibromomethane	ND		5.00	0.220	ug/L			09/03/25 16:38	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			09/03/25 16:38	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			09/03/25 16:38	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			09/03/25 16:38	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			09/03/25 16:38	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			09/03/25 16:38	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			09/03/25 16:38	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			09/03/25 16:38	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 16:38	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 16:38	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 16:38	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			09/03/25 16:38	1
Ethyl acetate	ND		10.0	6.14	ug/L			09/03/25 16:38	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/03/25 16:38	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			09/03/25 16:38	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			09/03/25 16:38	1
Hexane	ND		1.00	0.960	ug/L			09/03/25 16:38	1
2-Hexanone	ND		25.0	4.26	ug/L			09/03/25 16:38	1
Iodomethane	ND		1.00	0.900	ug/L			09/03/25 16:38	1
Isopropylbenzene	ND		1.00	0.530	ug/L			09/03/25 16:38	1
Isopropyl ether	ND		1.00	0.740	ug/L			09/03/25 16:38	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			09/03/25 16:38	1
Methylene Chloride	ND		5.00	3.00	ug/L			09/03/25 16:38	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			09/03/25 16:38	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			09/03/25 16:38	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			09/03/25 16:38	1
Naphthalene	ND		5.00	3.00	ug/L			09/03/25 16:38	1
n-Butylbenzene	ND		1.00	0.760	ug/L			09/03/25 16:38	1
n-Heptane	ND		1.00	0.210	ug/L			09/03/25 16:38	1
N-Propylbenzene	ND		1.00	0.690	ug/L			09/03/25 16:38	1

Client Sample ID: A-MW-6
Date Collected: 08/27/25 13:35
Date Received: 08/28/25 10:15

Lab Sample ID: 752-36298-1
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			09/03/25 16:38	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			09/03/25 16:38	1
Styrene	ND		1.00	1.00	ug/L			09/03/25 16:38	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			09/03/25 16:38	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			09/03/25 16:38	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			09/03/25 16:38	1
Tetrachloroethene	ND		1.00	0.330	ug/L			09/03/25 16:38	1
Toluene	ND		1.00	0.900	ug/L			09/03/25 16:38	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			09/03/25 16:38	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			09/03/25 16:38	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			09/03/25 16:38	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			09/03/25 16:38	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			09/03/25 16:38	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			09/03/25 16:38	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			09/03/25 16:38	1
Trichloroethene	ND		1.00	0.150	ug/L			09/03/25 16:38	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			09/03/25 16:38	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			09/03/25 16:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			09/03/25 16:38	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			09/03/25 16:38	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			09/03/25 16:38	1
Vinyl acetate	ND		25.0	0.930	ug/L			09/03/25 16:38	1
Vinyl chloride	ND		1.00	0.500	ug/L			09/03/25 16:38	1
Xylenes, Total	ND		10.0	6.00	ug/L			09/03/25 16:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*56 - 136*		*09/03/25 16:38*	*1*
Dibromofluoromethane	*110*		*79 - 130*		*09/03/25 16:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*140*		*59 - 146*		*09/03/25 16:38*	*1*
Toluene-d8 (Surr)	*103*		*64 - 132*		*09/03/25 16:38*	*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		0.298	0.298	ug/L		09/02/25 10:30	09/05/25 15:02	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*26*		*10 - 140*	*09/02/25 10:30*	*09/05/25 15:02*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.87	0.414	ug/L		09/02/25 07:00	09/04/25 12:53	1
2,4,5-Trichlorophenol	ND		9.87	0.533	ug/L		09/02/25 07:00	09/04/25 12:53	1
2,4,6-Trichlorophenol	ND		9.87	1.08	ug/L		09/02/25 07:00	09/04/25 12:53	1
2,4-Dichlorophenol	ND		9.87	0.563	ug/L		09/02/25 07:00	09/04/25 12:53	1
2,4-Dimethylphenol	ND		9.87	0.237	ug/L		09/02/25 07:00	09/04/25 12:53	1
2,4-Dinitrophenol	ND		29.6	4.62	ug/L		09/02/25 07:00	09/04/25 12:53	1
2,4-Dinitrotoluene	ND		9.87	0.641	ug/L		09/02/25 07:00	09/04/25 12:53	1
2,6-Dinitrotoluene	ND		9.87	0.286	ug/L		09/02/25 07:00	09/04/25 12:53	1
2-Chloronaphthalene	ND		9.87	0.375	ug/L		09/02/25 07:00	09/04/25 12:53	1
2-Chlorophenol	ND		9.87	0.829	ug/L		09/02/25 07:00	09/04/25 12:53	1
2-Methylnaphthalene	ND		9.87	0.799	ug/L		09/02/25 07:00	09/04/25 12:53	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 752-36298-1

Client Sample ID: A-MW-6
Date Collected: 08/27/25 13:35
Date Received: 08/28/25 10:15

Lab Sample ID: 752-36298-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		9.87	0.750	ug/L		09/02/25 07:00	09/04/25 12:53	1
2-Nitroaniline	ND		9.87	1.35	ug/L		09/02/25 07:00	09/04/25 12:53	1
2-Nitrophenol	ND		9.87	1.15	ug/L		09/02/25 07:00	09/04/25 12:53	1
3 & 4 Methylphenol	ND		19.7	4.54	ug/L		09/02/25 07:00	09/04/25 12:53	1
3,3'-Dichlorobenzidine	ND		10.9	0.405	ug/L		09/02/25 07:00	09/04/25 12:53	1
3-Nitroaniline	ND		9.87	0.938	ug/L		09/02/25 07:00	09/04/25 12:53	1
4,6-Dinitro-2-methylphenol	ND		9.87	1.94	ug/L		09/02/25 07:00	09/04/25 12:53	1
4-Bromophenyl phenyl ether	ND		9.87	0.128	ug/L		09/02/25 07:00	09/04/25 12:53	1
4-Chloro-3-methylphenol	ND		9.87	0.720	ug/L		09/02/25 07:00	09/04/25 12:53	1
4-Chloroaniline	ND		9.87	0.572	ug/L		09/02/25 07:00	09/04/25 12:53	1
4-Chlorophenyl phenyl ether	ND		9.87	0.237	ug/L		09/02/25 07:00	09/04/25 12:53	1
4-Nitroaniline	ND		9.87	3.45	ug/L		09/02/25 07:00	09/04/25 12:53	1
4-Nitrophenol	ND		9.87	2.70	ug/L		09/02/25 07:00	09/04/25 12:53	1
Acenaphthene	ND		9.87	0.622	ug/L		09/02/25 07:00	09/04/25 12:53	1
Acenaphthylene	ND		9.87	0.750	ug/L		09/02/25 07:00	09/04/25 12:53	1
Acetophenone	ND		9.87	3.16	ug/L		09/02/25 07:00	09/04/25 12:53	1
Anthracene	ND		9.87	0.898	ug/L		09/02/25 07:00	09/04/25 12:53	1
Atrazine	ND		9.87	1.12	ug/L		09/02/25 07:00	09/04/25 12:53	1
Benzaldehyde	ND		9.87	0.661	ug/L		09/02/25 07:00	09/04/25 12:53	1
Benzo[a]anthracene	ND		9.87	0.987	ug/L		09/02/25 07:00	09/04/25 12:53	1
Benzo[a]pyrene	ND		9.87	1.09	ug/L		09/02/25 07:00	09/04/25 12:53	1
Benzo[b]fluoranthene	ND		9.87	1.18	ug/L		09/02/25 07:00	09/04/25 12:53	1
Benzo[g,h,i]perylene	ND		9.87	1.48	ug/L		09/02/25 07:00	09/04/25 12:53	1
Benzo[k]fluoranthene	ND		9.87	1.48	ug/L		09/02/25 07:00	09/04/25 12:53	1
bis (2-chloroisopropyl) ether	ND		9.87	0.918	ug/L		09/02/25 07:00	09/04/25 12:53	1
Bis(2-chloroethoxy)methane	ND		9.87	0.336	ug/L		09/02/25 07:00	09/04/25 12:53	1
Bis(2-chloroethyl)ether	ND		9.87	0.720	ug/L		09/02/25 07:00	09/04/25 12:53	1
Bis(2-ethylhexyl) phthalate	ND		9.87	3.95	ug/L		09/02/25 07:00	09/04/25 12:53	1
Butyl benzyl phthalate	ND		9.87	3.95	ug/L		09/02/25 07:00	09/04/25 12:53	1
Caprolactam	ND		9.87	2.37	ug/L		09/02/25 07:00	09/04/25 12:53	1
Carbazole	ND		9.87	0.316	ug/L		09/02/25 07:00	09/04/25 12:53	1
Chrysene	ND		9.87	1.18	ug/L		09/02/25 07:00	09/04/25 12:53	1
Dibenz(a,h)anthracene	ND		9.87	1.28	ug/L		09/02/25 07:00	09/04/25 12:53	1
Dibenzofuran	ND		9.87	0.632	ug/L		09/02/25 07:00	09/04/25 12:53	1
Diethyl phthalate	ND		9.87	3.95	ug/L		09/02/25 07:00	09/04/25 12:53	1
Dimethyl phthalate	ND		9.87	3.95	ug/L		09/02/25 07:00	09/04/25 12:53	1
Di-n-butyl phthalate	ND		9.87	8.08	ug/L		09/02/25 07:00	09/04/25 12:53	1
Di-n-octyl phthalate	ND		9.87	3.95	ug/L		09/02/25 07:00	09/04/25 12:53	1
Fluoranthene	ND		9.87	0.622	ug/L		09/02/25 07:00	09/04/25 12:53	1
Fluorene	ND		9.87	0.661	ug/L		09/02/25 07:00	09/04/25 12:53	1
Hexachlorobenzene	ND		9.87	0.247	ug/L		09/02/25 07:00	09/04/25 12:53	1
Hexachlorobutadiene	ND		9.87	0.543	ug/L		09/02/25 07:00	09/04/25 12:53	1
Hexachlorocyclopentadiene	ND		19.7	0.316	ug/L		09/02/25 07:00	09/04/25 12:53	1
Hexachloroethane	ND		9.87	0.523	ug/L		09/02/25 07:00	09/04/25 12:53	1
Indeno[1,2,3-cd]pyrene	ND		9.87	1.09	ug/L		09/02/25 07:00	09/04/25 12:53	1
Isophorone	ND		9.87	0.789	ug/L		09/02/25 07:00	09/04/25 12:53	1
Naphthalene	ND		9.87	0.740	ug/L		09/02/25 07:00	09/04/25 12:53	1
Nitrobenzene	ND		9.87	0.592	ug/L		09/02/25 07:00	09/04/25 12:53	1
N-Nitrosodi-n-propylamine	ND		9.87	0.326	ug/L		09/02/25 07:00	09/04/25 12:53	1

Client Sample ID: A-MW-6

Lab Sample ID: 752-36298-1

Date Collected: 08/27/25 13:35

Matrix: Water

Date Received: 08/28/25 10:15

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		09/02/25 07:00	09/04/25 12:53	1
Pentachlorophenol	ND		9.87	2.76	ug/L		09/02/25 07:00	09/04/25 12:53	1
Phenanthrene	ND		9.87	0.730	ug/L		09/02/25 07:00	09/04/25 12:53	1
Phenol	ND		9.87	0.671	ug/L		09/02/25 07:00	09/04/25 12:53	1
Pyrene	ND		9.87	0.622	ug/L		09/02/25 07:00	09/04/25 12:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*81*		*10 - 150*	*09/02/25 07:00*	*09/04/25 12:53*	*1*
2-Fluorobiphenyl (Surr)	*69*		*25 - 139*	*09/02/25 07:00*	*09/04/25 12:53*	*1*
2-Fluorophenol (Surr)	*84*		*10 - 150*	*09/02/25 07:00*	*09/04/25 12:53*	*1*
Nitrobenzene-d5 (Surr)	*74*		*22 - 150*	*09/02/25 07:00*	*09/04/25 12:53*	*1*
Phenol-d5 (Surr)	*81*		*10 - 150*	*09/02/25 07:00*	*09/04/25 12:53*	*1*
Terphenyl-d14 (Surr)	*49*		*28 - 150*	*09/02/25 07:00*	*09/04/25 12:53*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	2.45	ug/L		09/02/25 16:40	09/06/25 02:56	1
Arsenic	ND		5.00	1.32	ug/L		09/02/25 16:40	09/06/25 02:56	1
Barium	**150**		10.0	0.410	ug/L		09/02/25 16:40	09/06/25 02:56	1
Beryllium	ND		1.00	0.147	ug/L		09/02/25 16:40	09/06/25 02:56	1
Cadmium	ND		0.700	0.237	ug/L		09/02/25 16:40	09/06/25 02:56	1
Chromium	ND		5.00	3.69	ug/L		09/02/25 16:40	09/06/25 02:56	1
Cobalt	ND		5.00	0.411	ug/L		09/02/25 16:40	09/06/25 02:56	1
Copper	ND		2.00	0.642	ug/L		09/02/25 16:40	09/06/25 02:56	1
Lead	ND		1.00	0.864	ug/L		09/02/25 16:40	09/06/25 02:56	1
Manganese	**4.73**	**J**	5.00	1.29	ug/L		09/02/25 16:40	09/06/25 02:56	1
Nickel	**2.43**	**J**	5.00	0.422	ug/L		09/02/25 16:40	09/06/25 02:56	1
Selenium	ND		5.00	2.29	ug/L		09/02/25 16:40	09/06/25 02:56	1
Silver	ND		1.00	0.167	ug/L		09/02/25 16:40	09/06/25 02:56	1
Thallium	ND		1.00	0.190	ug/L		09/02/25 16:40	09/06/25 02:56	1
Vanadium	**7.35**		5.00	1.22	ug/L		09/02/25 16:40	09/06/25 02:56	1
Zinc	ND		10.0	8.91	ug/L		09/02/25 16:40	09/06/25 02:56	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.166	ug/L		09/10/25 14:39	09/10/25 21:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (EPA 350.1)	ND		0.0500	0.0200	mg/L			09/03/25 11:31	1
Nitrate as N (SM Nitrate by calc)	**0.158**		0.100	0.0250	mg/L			09/02/25 16:20	1
Sulfate (SM 4500 SO4 E)	**71.5**		10.0	2.80	mg/L			09/07/25 11:40	2

Client Sample ID: A-MW-7

Lab Sample ID: 752-36298-2

Date Collected: 08/27/25 18:00

Matrix: Water

Date Received: 08/28/25 10:15

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			09/03/25 15:15	1
Benzene	ND		1.00	0.500	ug/L			09/03/25 15:15	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 752-36298-1

Client Sample ID: A-MW-7
Date Collected: 08/27/25 18:00
Date Received: 08/28/25 10:15

Lab Sample ID: 752-36298-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		1.00	0.540	ug/L			09/03/25 15:15	1
Bromoform	ND		5.00	0.250	ug/L			09/03/25 15:15	1
Bromomethane	ND	*+	1.00	0.980	ug/L			09/03/25 15:15	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			09/03/25 15:15	1
Carbon disulfide	ND		1.00	0.500	ug/L			09/03/25 15:15	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			09/03/25 15:15	1
Chlorobenzene	ND		1.00	0.420	ug/L			09/03/25 15:15	1
Chlorobromomethane	ND		1.00	0.520	ug/L			09/03/25 15:15	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			09/03/25 15:15	1
Chloroethane	ND	F1 F2	1.00	0.760	ug/L			09/03/25 15:15	1
Chloroform	ND		1.00	0.900	ug/L			09/03/25 15:15	1
Chloromethane	**1.01**		1.00	0.400	ug/L			09/04/25 13:47	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			09/03/25 15:15	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			09/03/25 15:15	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			09/03/25 15:15	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			09/03/25 15:15	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			09/03/25 15:15	1
Dibromomethane	ND		5.00	0.220	ug/L			09/03/25 15:15	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			09/03/25 15:15	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			09/03/25 15:15	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			09/03/25 15:15	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			09/03/25 15:15	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			09/03/25 15:15	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			09/03/25 15:15	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			09/03/25 15:15	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 15:15	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 15:15	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 15:15	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			09/03/25 15:15	1
Ethyl acetate	ND		10.0	6.14	ug/L			09/03/25 15:15	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/03/25 15:15	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			09/03/25 15:15	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			09/03/25 15:15	1
Hexane	ND		1.00	0.960	ug/L			09/03/25 15:15	1
2-Hexanone	ND		25.0	4.26	ug/L			09/03/25 15:15	1
Iodomethane	ND		1.00	0.900	ug/L			09/03/25 15:15	1
Isopropylbenzene	ND		1.00	0.530	ug/L			09/03/25 15:15	1
Isopropyl ether	ND		1.00	0.740	ug/L			09/03/25 15:15	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			09/03/25 15:15	1
Methylene Chloride	ND		5.00	3.00	ug/L			09/03/25 15:15	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			09/03/25 15:15	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			09/03/25 15:15	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			09/03/25 15:15	1
Naphthalene	ND		5.00	3.00	ug/L			09/03/25 15:15	1
n-Butylbenzene	ND		1.00	0.760	ug/L			09/03/25 15:15	1
n-Heptane	ND		1.00	0.210	ug/L			09/03/25 15:15	1
N-Propylbenzene	ND		1.00	0.690	ug/L			09/03/25 15:15	1
o-Xylene	ND		5.00	3.00	ug/L			09/03/25 15:15	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			09/03/25 15:15	1

Client Sample ID: A-MW-7
Date Collected: 08/27/25 18:00
Date Received: 08/28/25 10:15

Lab Sample ID: 752-36298-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.00	1.00	ug/L			09/03/25 15:15	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			09/03/25 15:15	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			09/03/25 15:15	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			09/03/25 15:15	1
Tetrachloroethene	ND		1.00	0.330	ug/L			09/03/25 15:15	1
Toluene	ND		1.00	0.900	ug/L			09/03/25 15:15	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			09/03/25 15:15	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			09/03/25 15:15	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			09/03/25 15:15	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			09/03/25 15:15	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			09/03/25 15:15	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			09/03/25 15:15	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			09/03/25 15:15	1
Trichloroethene	ND		1.00	0.150	ug/L			09/03/25 15:15	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			09/03/25 15:15	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			09/03/25 15:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			09/03/25 15:15	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			09/03/25 15:15	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			09/03/25 15:15	1
Vinyl acetate	ND		25.0	0.930	ug/L			09/03/25 15:15	1
Vinyl chloride	ND		1.00	0.500	ug/L			09/03/25 15:15	1
Xylenes, Total	ND		10.0	6.00	ug/L			09/03/25 15:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*56 - 136*		*09/03/25 15:15*	*1*
4-Bromofluorobenzene	*103*		*56 - 136*		*09/04/25 13:47*	*1*
Dibromofluoromethane	*110*		*79 - 130*		*09/03/25 15:15*	*1*
Dibromofluoromethane	*96*		*79 - 130*		*09/04/25 13:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*137*		*59 - 146*		*09/03/25 15:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*59 - 146*		*09/04/25 13:47*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*09/03/25 15:15*	*1*
Toluene-d8 (Surr)	*104*		*64 - 132*		*09/04/25 13:47*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.276	0.276	ug/L		09/02/25 10:30	09/05/25 15:24	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*21*		*10 - 140*	*09/02/25 10:30*	*09/05/25 15:24*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.71	0.408	ug/L		09/02/25 07:00	09/04/25 13:27	1
2,4,5-Trichlorophenol	ND		9.71	0.524	ug/L		09/02/25 07:00	09/04/25 13:27	1
2,4,6-Trichlorophenol	ND		9.71	1.06	ug/L		09/02/25 07:00	09/04/25 13:27	1
2,4-Dichlorophenol	ND		9.71	0.553	ug/L		09/02/25 07:00	09/04/25 13:27	1
2,4-Dimethylphenol	ND		9.71	0.233	ug/L		09/02/25 07:00	09/04/25 13:27	1
2,4-Dinitrophenol	ND		29.1	4.54	ug/L		09/02/25 07:00	09/04/25 13:27	1
2,4-Dinitrotoluene	ND		9.71	0.631	ug/L		09/02/25 07:00	09/04/25 13:27	1
2,6-Dinitrotoluene	ND		9.71	0.282	ug/L		09/02/25 07:00	09/04/25 13:27	1
2-Chloronaphthalene	ND		9.71	0.369	ug/L		09/02/25 07:00	09/04/25 13:27	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 752-36298-1

Client Sample ID: A-MW-7
Date Collected: 08/27/25 18:00
Date Received: 08/28/25 10:15

Lab Sample ID: 752-36298-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND		9.71	0.816	ug/L		09/02/25 07:00	09/04/25 13:27	1
2-Methylnaphthalene	ND		9.71	0.786	ug/L		09/02/25 07:00	09/04/25 13:27	1
2-Methylphenol	ND		9.71	0.738	ug/L		09/02/25 07:00	09/04/25 13:27	1
2-Nitroaniline	ND		9.71	1.33	ug/L		09/02/25 07:00	09/04/25 13:27	1
2-Nitrophenol	ND		9.71	1.14	ug/L		09/02/25 07:00	09/04/25 13:27	1
3 & 4 Methylphenol	ND		19.4	4.47	ug/L		09/02/25 07:00	09/04/25 13:27	1
3,3'-Dichlorobenzidine	ND		10.7	0.398	ug/L		09/02/25 07:00	09/04/25 13:27	1
3-Nitroaniline	ND		9.71	0.922	ug/L		09/02/25 07:00	09/04/25 13:27	1
4,6-Dinitro-2-methylphenol	ND		9.71	1.91	ug/L		09/02/25 07:00	09/04/25 13:27	1
4-Bromophenyl phenyl ether	ND		9.71	0.126	ug/L		09/02/25 07:00	09/04/25 13:27	1
4-Chloro-3-methylphenol	ND		9.71	0.709	ug/L		09/02/25 07:00	09/04/25 13:27	1
4-Chloroaniline	ND		9.71	0.563	ug/L		09/02/25 07:00	09/04/25 13:27	1
4-Chlorophenyl phenyl ether	ND		9.71	0.233	ug/L		09/02/25 07:00	09/04/25 13:27	1
4-Nitroaniline	ND		9.71	3.40	ug/L		09/02/25 07:00	09/04/25 13:27	1
4-Nitrophenol	ND		9.71	2.66	ug/L		09/02/25 07:00	09/04/25 13:27	1
Acenaphthene	ND		9.71	0.612	ug/L		09/02/25 07:00	09/04/25 13:27	1
Acenaphthylene	ND		9.71	0.738	ug/L		09/02/25 07:00	09/04/25 13:27	1
Acetophenone	ND		9.71	3.11	ug/L		09/02/25 07:00	09/04/25 13:27	1
Anthracene	ND		9.71	0.883	ug/L		09/02/25 07:00	09/04/25 13:27	1
Atrazine	ND		9.71	1.10	ug/L		09/02/25 07:00	09/04/25 13:27	1
Benzaldehyde	ND		9.71	0.650	ug/L		09/02/25 07:00	09/04/25 13:27	1
Benzo[a]anthracene	ND		9.71	0.971	ug/L		09/02/25 07:00	09/04/25 13:27	1
Benzo[a]pyrene	ND		9.71	1.07	ug/L		09/02/25 07:00	09/04/25 13:27	1
Benzo[b]fluoranthene	ND		9.71	1.17	ug/L		09/02/25 07:00	09/04/25 13:27	1
Benzo[g,h,i]perylene	ND		9.71	1.46	ug/L		09/02/25 07:00	09/04/25 13:27	1
Benzo[k]fluoranthene	ND		9.71	1.46	ug/L		09/02/25 07:00	09/04/25 13:27	1
bis (2-chloroisopropyl) ether	ND		9.71	0.903	ug/L		09/02/25 07:00	09/04/25 13:27	1
Bis(2-chloroethoxy)methane	ND		9.71	0.330	ug/L		09/02/25 07:00	09/04/25 13:27	1
Bis(2-chloroethyl)ether	ND		9.71	0.709	ug/L		09/02/25 07:00	09/04/25 13:27	1
Bis(2-ethylhexyl) phthalate	ND		9.71	3.88	ug/L		09/02/25 07:00	09/04/25 13:27	1
Butyl benzyl phthalate	ND		9.71	3.88	ug/L		09/02/25 07:00	09/04/25 13:27	1
Caprolactam	ND		9.71	2.33	ug/L		09/02/25 07:00	09/04/25 13:27	1
Carbazole	ND		9.71	0.311	ug/L		09/02/25 07:00	09/04/25 13:27	1
Chrysene	ND		9.71	1.17	ug/L		09/02/25 07:00	09/04/25 13:27	1
Dibenz(a,h)anthracene	ND		9.71	1.26	ug/L		09/02/25 07:00	09/04/25 13:27	1
Dibenzofuran	ND		9.71	0.621	ug/L		09/02/25 07:00	09/04/25 13:27	1
Diethyl phthalate	ND		9.71	3.88	ug/L		09/02/25 07:00	09/04/25 13:27	1
Dimethyl phthalate	ND		9.71	3.88	ug/L		09/02/25 07:00	09/04/25 13:27	1
Di-n-butyl phthalate	ND		9.71	7.95	ug/L		09/02/25 07:00	09/04/25 13:27	1
Di-n-octyl phthalate	ND		9.71	3.88	ug/L		09/02/25 07:00	09/04/25 13:27	1
Fluoranthene	ND		9.71	0.612	ug/L		09/02/25 07:00	09/04/25 13:27	1
Fluorene	ND		9.71	0.650	ug/L		09/02/25 07:00	09/04/25 13:27	1
Hexachlorobenzene	ND		9.71	0.243	ug/L		09/02/25 07:00	09/04/25 13:27	1
Hexachlorobutadiene	ND		9.71	0.534	ug/L		09/02/25 07:00	09/04/25 13:27	1
Hexachlorocyclopentadiene	ND		19.4	0.311	ug/L		09/02/25 07:00	09/04/25 13:27	1
Hexachloroethane	ND		9.71	0.515	ug/L		09/02/25 07:00	09/04/25 13:27	1
Indeno[1,2,3-cd]pyrene	ND		9.71	1.07	ug/L		09/02/25 07:00	09/04/25 13:27	1
Isophorone	ND		9.71	0.777	ug/L		09/02/25 07:00	09/04/25 13:27	1
Naphthalene	ND		9.71	0.728	ug/L		09/02/25 07:00	09/04/25 13:27	1

Client Sample ID: A-MW-7
Date Collected: 08/27/25 18:00
Date Received: 08/28/25 10:15

Lab Sample ID: 752-36298-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		9.71	0.583	ug/L		09/02/25 07:00	09/04/25 13:27	1
N-Nitrosodi-n-propylamine	ND		9.71	0.320	ug/L		09/02/25 07:00	09/04/25 13:27	1
N-Nitrosodiphenylamine	ND		9.71	0.184	ug/L		09/02/25 07:00	09/04/25 13:27	1
Pentachlorophenol	ND		9.71	2.72	ug/L		09/02/25 07:00	09/04/25 13:27	1
Phenanthrene	ND		9.71	0.718	ug/L		09/02/25 07:00	09/04/25 13:27	1
Phenol	ND		9.71	0.660	ug/L		09/02/25 07:00	09/04/25 13:27	1
Pyrene	ND		9.71	0.612	ug/L		09/02/25 07:00	09/04/25 13:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*82*		*10 - 150*	*09/02/25 07:00*	*09/04/25 13:27*	*1*
2-Fluorobiphenyl (Surr)	*75*		*25 - 139*	*09/02/25 07:00*	*09/04/25 13:27*	*1*
2-Fluorophenol (Surr)	*73*		*10 - 150*	*09/02/25 07:00*	*09/04/25 13:27*	*1*
Nitrobenzene-d5 (Surr)	*81*		*22 - 150*	*09/02/25 07:00*	*09/04/25 13:27*	*1*
Phenol-d5 (Surr)	*65*		*10 - 150*	*09/02/25 07:00*	*09/04/25 13:27*	*1*
Terphenyl-d14 (Surr)	*45*		*28 - 150*	*09/02/25 07:00*	*09/04/25 13:27*	*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		09/02/25 16:40	09/06/25 02:59	1
Arsenic	ND		5.00	1.32	ug/L		09/02/25 16:40	09/06/25 02:59	1
Barium	**23.7**		10.0	0.410	ug/L		09/02/25 16:40	09/06/25 02:59	1
Beryllium	ND		1.00	0.147	ug/L		09/02/25 16:40	09/06/25 02:59	1
Cadmium	ND		0.700	0.237	ug/L		09/02/25 16:40	09/06/25 02:59	1
Chromium	ND		5.00	3.69	ug/L		09/02/25 16:40	09/06/25 02:59	1
Cobalt	**4.59**	**J**	5.00	0.411	ug/L		09/02/25 16:40	09/06/25 02:59	1
Copper	**1.47**	**J**	2.00	0.642	ug/L		09/02/25 16:40	09/06/25 02:59	1
Lead	ND		1.00	0.864	ug/L		09/02/25 16:40	09/06/25 02:59	1
Manganese	**643**		5.00	1.29	ug/L		09/02/25 16:40	09/06/25 02:59	1
Nickel	**2.59**	**J**	5.00	0.422	ug/L		09/02/25 16:40	09/06/25 02:59	1
Selenium	ND		5.00	2.29	ug/L		09/02/25 16:40	09/06/25 02:59	1
Silver	ND		1.00	0.167	ug/L		09/02/25 16:40	09/06/25 02:59	1
Thallium	ND		1.00	0.190	ug/L		09/02/25 16:40	09/06/25 02:59	1
Vanadium	**1.48**	**J**	5.00	1.22	ug/L		09/02/25 16:40	09/06/25 02:59	1
Zinc	ND		10.0	8.91	ug/L		09/02/25 16:40	09/06/25 02:59	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		09/10/25 14:39	09/10/25 21:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (EPA 350.1)	ND		0.0500	0.0200	mg/L			09/03/25 11:33	1
Nitrate as N (SM Nitrate by calc)	**0.109**		0.100	0.0250	mg/L			09/02/25 16:20	1
Sulfate (SM 4500 SO4 E)	**353**		50.0	14.0	mg/L			09/07/25 11:58	10

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 752-36298-1

Client Sample ID: A-MW-8
Date Collected: 08/27/25 16:55
Date Received: 08/28/25 10:15

Lab Sample ID: 752-36298-3
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			09/03/25 16:59	1
Benzene	ND		1.00	0.500	ug/L			09/03/25 16:59	1
Bromobenzene	ND		1.00	0.540	ug/L			09/03/25 16:59	1
Bromoform	ND		5.00	0.250	ug/L			09/03/25 16:59	1
Bromomethane	ND	*+	1.00	0.980	ug/L			09/03/25 16:59	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			09/03/25 16:59	1
Carbon disulfide	ND		1.00	0.500	ug/L			09/03/25 16:59	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			09/03/25 16:59	1
Chlorobenzene	ND		1.00	0.420	ug/L			09/03/25 16:59	1
Chlorobromomethane	ND		1.00	0.520	ug/L			09/03/25 16:59	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			09/03/25 16:59	1
Chloroethane	ND		1.00	0.760	ug/L			09/03/25 16:59	1
Chloroform	ND		1.00	0.900	ug/L			09/03/25 16:59	1
Chloromethane	**0.984**	**J**	1.00	0.400	ug/L			09/03/25 16:59	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			09/03/25 16:59	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			09/03/25 16:59	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			09/03/25 16:59	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			09/03/25 16:59	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			09/03/25 16:59	1
Dibromomethane	ND		5.00	0.220	ug/L			09/03/25 16:59	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			09/03/25 16:59	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			09/03/25 16:59	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			09/03/25 16:59	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			09/03/25 16:59	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			09/03/25 16:59	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			09/03/25 16:59	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			09/03/25 16:59	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 16:59	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 16:59	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 16:59	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			09/03/25 16:59	1
Ethyl acetate	ND		10.0	6.14	ug/L			09/03/25 16:59	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/03/25 16:59	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			09/03/25 16:59	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			09/03/25 16:59	1
Hexane	ND		1.00	0.960	ug/L			09/03/25 16:59	1
2-Hexanone	ND		25.0	4.26	ug/L			09/03/25 16:59	1
Iodomethane	ND		1.00	0.900	ug/L			09/03/25 16:59	1
Isopropylbenzene	ND		1.00	0.530	ug/L			09/03/25 16:59	1
Isopropyl ether	ND		1.00	0.740	ug/L			09/03/25 16:59	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			09/03/25 16:59	1
Methylene Chloride	ND		5.00	3.00	ug/L			09/03/25 16:59	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			09/03/25 16:59	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			09/03/25 16:59	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			09/03/25 16:59	1
Naphthalene	ND		5.00	3.00	ug/L			09/03/25 16:59	1
n-Butylbenzene	ND		1.00	0.760	ug/L			09/03/25 16:59	1
n-Heptane	ND		1.00	0.210	ug/L			09/03/25 16:59	1
N-Propylbenzene	ND		1.00	0.690	ug/L			09/03/25 16:59	1

Client Sample ID: A-MW-8
Date Collected: 08/27/25 16:55
Date Received: 08/28/25 10:15

Lab Sample ID: 752-36298-3
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			09/03/25 16:59	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			09/03/25 16:59	1
Styrene	ND		1.00	1.00	ug/L			09/03/25 16:59	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			09/03/25 16:59	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			09/03/25 16:59	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			09/03/25 16:59	1
Tetrachloroethene	ND		1.00	0.330	ug/L			09/03/25 16:59	1
Toluene	ND		1.00	0.900	ug/L			09/03/25 16:59	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			09/03/25 16:59	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			09/03/25 16:59	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			09/03/25 16:59	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			09/03/25 16:59	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			09/03/25 16:59	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			09/03/25 16:59	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			09/03/25 16:59	1
Trichloroethene	ND		1.00	0.150	ug/L			09/03/25 16:59	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			09/03/25 16:59	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			09/03/25 16:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			09/03/25 16:59	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			09/03/25 16:59	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			09/03/25 16:59	1
Vinyl acetate	ND		25.0	0.930	ug/L			09/03/25 16:59	1
Vinyl chloride	ND		1.00	0.500	ug/L			09/03/25 16:59	1
Xylenes, Total	ND		10.0	6.00	ug/L			09/03/25 16:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*56 - 136*		*09/03/25 16:59*	*1*
Dibromofluoromethane	*108*		*79 - 130*		*09/03/25 16:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*139*		*59 - 146*		*09/03/25 16:59*	*1*
Toluene-d8 (Surr)	*100*		*64 - 132*		*09/03/25 16:59*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.298	0.298	ug/L		09/02/25 10:30	09/05/25 15:46	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*30*		*10 - 140*	*09/02/25 10:30*	*09/05/25 15:46*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		10.1	0.424	ug/L		09/02/25 07:00	09/04/25 14:02	1
2,4,5-Trichlorophenol	ND		10.1	0.545	ug/L		09/02/25 07:00	09/04/25 14:02	1
2,4,6-Trichlorophenol	ND		10.1	1.10	ug/L		09/02/25 07:00	09/04/25 14:02	1
2,4-Dichlorophenol	ND		10.1	0.576	ug/L		09/02/25 07:00	09/04/25 14:02	1
2,4-Dimethylphenol	ND		10.1	0.242	ug/L		09/02/25 07:00	09/04/25 14:02	1
2,4-Dinitrophenol	ND		30.3	4.73	ug/L		09/02/25 07:00	09/04/25 14:02	1
2,4-Dinitrotoluene	ND		10.1	0.657	ug/L		09/02/25 07:00	09/04/25 14:02	1
2,6-Dinitrotoluene	ND		10.1	0.293	ug/L		09/02/25 07:00	09/04/25 14:02	1
2-Chloronaphthalene	ND		10.1	0.384	ug/L		09/02/25 07:00	09/04/25 14:02	1
2-Chlorophenol	ND		10.1	0.848	ug/L		09/02/25 07:00	09/04/25 14:02	1
2-Methylnaphthalene	ND		10.1	0.818	ug/L		09/02/25 07:00	09/04/25 14:02	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 752-36298-1

Client Sample ID: A-MW-8
Date Collected: 08/27/25 16:55
Date Received: 08/28/25 10:15

Lab Sample ID: 752-36298-3
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	0.768	ug/L		09/02/25 07:00	09/04/25 14:02	1
2-Nitroaniline	ND		10.1	1.38	ug/L		09/02/25 07:00	09/04/25 14:02	1
2-Nitrophenol	ND		10.1	1.18	ug/L		09/02/25 07:00	09/04/25 14:02	1
3 & 4 Methylphenol	ND		20.2	4.65	ug/L		09/02/25 07:00	09/04/25 14:02	1
3,3'-Dichlorobenzidine	ND		11.1	0.414	ug/L		09/02/25 07:00	09/04/25 14:02	1
3-Nitroaniline	ND		10.1	0.960	ug/L		09/02/25 07:00	09/04/25 14:02	1
4,6-Dinitro-2-methylphenol	ND		10.1	1.99	ug/L		09/02/25 07:00	09/04/25 14:02	1
4-Bromophenyl phenyl ether	ND		10.1	0.131	ug/L		09/02/25 07:00	09/04/25 14:02	1
4-Chloro-3-methylphenol	ND		10.1	0.737	ug/L		09/02/25 07:00	09/04/25 14:02	1
4-Chloroaniline	ND		10.1	0.586	ug/L		09/02/25 07:00	09/04/25 14:02	1
4-Chlorophenyl phenyl ether	ND		10.1	0.242	ug/L		09/02/25 07:00	09/04/25 14:02	1
4-Nitroaniline	ND		10.1	3.54	ug/L		09/02/25 07:00	09/04/25 14:02	1
4-Nitrophenol	ND		10.1	2.77	ug/L		09/02/25 07:00	09/04/25 14:02	1
Acenaphthene	ND		10.1	0.636	ug/L		09/02/25 07:00	09/04/25 14:02	1
Acenaphthylene	ND		10.1	0.768	ug/L		09/02/25 07:00	09/04/25 14:02	1
Acetophenone	ND		10.1	3.23	ug/L		09/02/25 07:00	09/04/25 14:02	1
Anthracene	ND		10.1	0.919	ug/L		09/02/25 07:00	09/04/25 14:02	1
Atrazine	ND		10.1	1.14	ug/L		09/02/25 07:00	09/04/25 14:02	1
Benzaldehyde	ND		10.1	0.677	ug/L		09/02/25 07:00	09/04/25 14:02	1
Benzo[a]anthracene	ND		10.1	1.01	ug/L		09/02/25 07:00	09/04/25 14:02	1
Benzo[a]pyrene	ND		10.1	1.11	ug/L		09/02/25 07:00	09/04/25 14:02	1
Benzo[b]fluoranthene	ND		10.1	1.21	ug/L		09/02/25 07:00	09/04/25 14:02	1
Benzo[g,h,i]perylene	ND		10.1	1.52	ug/L		09/02/25 07:00	09/04/25 14:02	1
Benzo[k]fluoranthene	ND		10.1	1.52	ug/L		09/02/25 07:00	09/04/25 14:02	1
bis (2-chloroisopropyl) ether	ND		10.1	0.939	ug/L		09/02/25 07:00	09/04/25 14:02	1
Bis(2-chloroethoxy)methane	ND		10.1	0.343	ug/L		09/02/25 07:00	09/04/25 14:02	1
Bis(2-chloroethyl)ether	ND		10.1	0.737	ug/L		09/02/25 07:00	09/04/25 14:02	1
Bis(2-ethylhexyl) phthalate	ND		10.1	4.04	ug/L		09/02/25 07:00	09/04/25 14:02	1
Butyl benzyl phthalate	ND		10.1	4.04	ug/L		09/02/25 07:00	09/04/25 14:02	1
Caprolactam	ND		10.1	2.42	ug/L		09/02/25 07:00	09/04/25 14:02	1
Carbazole	ND		10.1	0.323	ug/L		09/02/25 07:00	09/04/25 14:02	1
Chrysene	ND		10.1	1.21	ug/L		09/02/25 07:00	09/04/25 14:02	1
Dibenz(a,h)anthracene	ND		10.1	1.31	ug/L		09/02/25 07:00	09/04/25 14:02	1
Dibenzofuran	ND		10.1	0.646	ug/L		09/02/25 07:00	09/04/25 14:02	1
Diethyl phthalate	ND		10.1	4.04	ug/L		09/02/25 07:00	09/04/25 14:02	1
Dimethyl phthalate	ND		10.1	4.04	ug/L		09/02/25 07:00	09/04/25 14:02	1
Di-n-butyl phthalate	ND		10.1	8.27	ug/L		09/02/25 07:00	09/04/25 14:02	1
Di-n-octyl phthalate	ND		10.1	4.04	ug/L		09/02/25 07:00	09/04/25 14:02	1
Fluoranthene	ND		10.1	0.636	ug/L		09/02/25 07:00	09/04/25 14:02	1
Fluorene	ND		10.1	0.677	ug/L		09/02/25 07:00	09/04/25 14:02	1
Hexachlorobenzene	ND		10.1	0.253	ug/L		09/02/25 07:00	09/04/25 14:02	1
Hexachlorobutadiene	ND		10.1	0.556	ug/L		09/02/25 07:00	09/04/25 14:02	1
Hexachlorocyclopentadiene	ND		20.2	0.323	ug/L		09/02/25 07:00	09/04/25 14:02	1
Hexachloroethane	ND		10.1	0.535	ug/L		09/02/25 07:00	09/04/25 14:02	1
Indeno[1,2,3-cd]pyrene	ND		10.1	1.11	ug/L		09/02/25 07:00	09/04/25 14:02	1
Isophorone	ND		10.1	0.808	ug/L		09/02/25 07:00	09/04/25 14:02	1
Naphthalene	ND		10.1	0.758	ug/L		09/02/25 07:00	09/04/25 14:02	1
Nitrobenzene	ND		10.1	0.606	ug/L		09/02/25 07:00	09/04/25 14:02	1
N-Nitrosodi-n-propylamine	ND		10.1	0.333	ug/L		09/02/25 07:00	09/04/25 14:02	1

Client Sample ID: A-MW-8

Lab Sample ID: 752-36298-3

Date Collected: 08/27/25 16:55

Matrix: Water

Date Received: 08/28/25 10:15

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		09/02/25 07:00	09/04/25 14:02	1
Pentachlorophenol	ND		10.1	2.83	ug/L		09/02/25 07:00	09/04/25 14:02	1
Phenanthrene	ND		10.1	0.747	ug/L		09/02/25 07:00	09/04/25 14:02	1
Phenol	ND		10.1	0.687	ug/L		09/02/25 07:00	09/04/25 14:02	1
Pyrene	ND		10.1	0.636	ug/L		09/02/25 07:00	09/04/25 14:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*70*		*10 - 150*	*09/02/25 07:00*	*09/04/25 14:02*	*1*
2-Fluorobiphenyl (Surr)	*62*		*25 - 139*	*09/02/25 07:00*	*09/04/25 14:02*	*1*
2-Fluorophenol (Surr)	*76*		*10 - 150*	*09/02/25 07:00*	*09/04/25 14:02*	*1*
Nitrobenzene-d5 (Surr)	*67*		*22 - 150*	*09/02/25 07:00*	*09/04/25 14:02*	*1*
Phenol-d5 (Surr)	*72*		*10 - 150*	*09/02/25 07:00*	*09/04/25 14:02*	*1*
Terphenyl-d14 (Surr)	*42*		*28 - 150*	*09/02/25 07:00*	*09/04/25 14:02*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	2.45	ug/L		09/02/25 16:40	09/06/25 03:01	1
Arsenic	ND		5.00	1.32	ug/L		09/02/25 16:40	09/06/25 03:01	1
Barium	**44.6**		10.0	0.410	ug/L		09/02/25 16:40	09/06/25 03:01	1
Beryllium	ND		1.00	0.147	ug/L		09/02/25 16:40	09/06/25 03:01	1
Cadmium	ND		0.700	0.237	ug/L		09/02/25 16:40	09/06/25 03:01	1
Chromium	ND		5.00	3.69	ug/L		09/02/25 16:40	09/06/25 03:01	1
Cobalt	**1.25**	**J**	5.00	0.411	ug/L		09/02/25 16:40	09/06/25 03:01	1
Copper	**1.85**	**J**	2.00	0.642	ug/L		09/02/25 16:40	09/06/25 03:01	1
Lead	ND		1.00	0.864	ug/L		09/02/25 16:40	09/06/25 03:01	1
Manganese	**21.2**		5.00	1.29	ug/L		09/02/25 16:40	09/06/25 03:01	1
Nickel	**1.68**	**J**	5.00	0.422	ug/L		09/02/25 16:40	09/06/25 03:01	1
Selenium	ND		5.00	2.29	ug/L		09/02/25 16:40	09/06/25 03:01	1
Silver	ND		1.00	0.167	ug/L		09/02/25 16:40	09/06/25 03:01	1
Thallium	ND		1.00	0.190	ug/L		09/02/25 16:40	09/06/25 03:01	1
Vanadium	**4.95**	**J**	5.00	1.22	ug/L		09/02/25 16:40	09/06/25 03:01	1
Zinc	ND		10.0	8.91	ug/L		09/02/25 16:40	09/06/25 03:01	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.166	ug/L		09/10/25 14:39	09/10/25 21:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (EPA 350.1)	ND		0.0500	0.0200	mg/L			09/03/25 11:35	1
Nitrate as N (SM Nitrate by calc)	**3.47**		0.100	0.0250	mg/L			09/02/25 16:20	1
Sulfate (SM 4500 SO4 E)	**62.1**		10.0	2.80	mg/L			09/07/25 11:41	2

Client Sample ID: A-MW-9

Lab Sample ID: 752-36298-4

Date Collected: 08/27/25 17:05

Matrix: Water

Date Received: 08/28/25 10:15

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			09/03/25 17:20	1
Benzene	ND		1.00	0.500	ug/L			09/03/25 17:20	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 752-36298-1

Client Sample ID: A-MW-9
Date Collected: 08/27/25 17:05
Date Received: 08/28/25 10:15

Lab Sample ID: 752-36298-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		1.00	0.540	ug/L			09/03/25 17:20	1
Bromoform	ND		5.00	0.250	ug/L			09/03/25 17:20	1
Bromomethane	ND	*+	1.00	0.980	ug/L			09/03/25 17:20	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			09/03/25 17:20	1
Carbon disulfide	ND		1.00	0.500	ug/L			09/03/25 17:20	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			09/03/25 17:20	1
Chlorobenzene	ND		1.00	0.420	ug/L			09/03/25 17:20	1
Chlorobromomethane	ND		1.00	0.520	ug/L			09/03/25 17:20	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			09/03/25 17:20	1
Chloroethane	ND		1.00	0.760	ug/L			09/03/25 17:20	1
Chloroform	ND		1.00	0.900	ug/L			09/03/25 17:20	1
Chloromethane	**1.04**		1.00	0.400	ug/L			09/04/25 14:08	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			09/03/25 17:20	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			09/03/25 17:20	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			09/03/25 17:20	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			09/03/25 17:20	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			09/03/25 17:20	1
Dibromomethane	ND		5.00	0.220	ug/L			09/03/25 17:20	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			09/03/25 17:20	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			09/03/25 17:20	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			09/03/25 17:20	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			09/03/25 17:20	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			09/03/25 17:20	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			09/03/25 17:20	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			09/03/25 17:20	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 17:20	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 17:20	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 17:20	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			09/03/25 17:20	1
Ethyl acetate	ND		10.0	6.14	ug/L			09/03/25 17:20	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/03/25 17:20	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			09/03/25 17:20	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			09/03/25 17:20	1
Hexane	ND		1.00	0.960	ug/L			09/03/25 17:20	1
2-Hexanone	ND		25.0	4.26	ug/L			09/03/25 17:20	1
Iodomethane	ND		1.00	0.900	ug/L			09/03/25 17:20	1
Isopropylbenzene	ND		1.00	0.530	ug/L			09/03/25 17:20	1
Isopropyl ether	ND		1.00	0.740	ug/L			09/03/25 17:20	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			09/03/25 17:20	1
Methylene Chloride	ND		5.00	3.00	ug/L			09/03/25 17:20	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			09/03/25 17:20	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			09/03/25 17:20	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			09/03/25 17:20	1
Naphthalene	ND		5.00	3.00	ug/L			09/03/25 17:20	1
n-Butylbenzene	ND		1.00	0.760	ug/L			09/03/25 17:20	1
n-Heptane	ND		1.00	0.210	ug/L			09/03/25 17:20	1
N-Propylbenzene	ND		1.00	0.690	ug/L			09/03/25 17:20	1
o-Xylene	ND		5.00	3.00	ug/L			09/03/25 17:20	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			09/03/25 17:20	1

Client Sample ID: A-MW-9
Date Collected: 08/27/25 17:05
Date Received: 08/28/25 10:15

Lab Sample ID: 752-36298-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.00	1.00	ug/L			09/03/25 17:20	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			09/03/25 17:20	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			09/03/25 17:20	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			09/03/25 17:20	1
Tetrachloroethene	ND		1.00	0.330	ug/L			09/03/25 17:20	1
Toluene	ND		1.00	0.900	ug/L			09/03/25 17:20	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			09/03/25 17:20	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			09/03/25 17:20	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			09/03/25 17:20	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			09/03/25 17:20	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			09/03/25 17:20	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			09/03/25 17:20	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			09/03/25 17:20	1
Trichloroethene	ND		1.00	0.150	ug/L			09/03/25 17:20	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			09/03/25 17:20	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			09/03/25 17:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			09/03/25 17:20	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			09/03/25 17:20	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			09/03/25 17:20	1
Vinyl acetate	ND		25.0	0.930	ug/L			09/03/25 17:20	1
Vinyl chloride	ND		1.00	0.500	ug/L			09/03/25 17:20	1
Xylenes, Total	ND		10.0	6.00	ug/L			09/03/25 17:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*56 - 136*		*09/03/25 17:20*	*1*
4-Bromofluorobenzene	*103*		*56 - 136*		*09/04/25 14:08*	*1*
Dibromofluoromethane	*112*		*79 - 130*		*09/03/25 17:20*	*1*
Dibromofluoromethane	*96*		*79 - 130*		*09/04/25 14:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*137*		*59 - 146*		*09/03/25 17:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*59 - 146*		*09/04/25 14:08*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*09/03/25 17:20*	*1*
Toluene-d8 (Surr)	*103*		*64 - 132*		*09/04/25 14:08*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.299	0.299	ug/L		09/02/25 10:30	09/05/25 16:08	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*34*		*10 - 140*	*09/02/25 10:30*	*09/05/25 16:08*	*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		10.0	0.420	ug/L		09/02/25 07:00	09/04/25 14:36	1
2,4,5-Trichlorophenol	ND		10.0	0.540	ug/L		09/02/25 07:00	09/04/25 14:36	1
2,4,6-Trichlorophenol	ND		10.0	1.09	ug/L		09/02/25 07:00	09/04/25 14:36	1
2,4-Dichlorophenol	ND		10.0	0.570	ug/L		09/02/25 07:00	09/04/25 14:36	1
2,4-Dimethylphenol	ND		10.0	0.240	ug/L		09/02/25 07:00	09/04/25 14:36	1
2,4-Dinitrophenol	ND		30.0	4.68	ug/L		09/02/25 07:00	09/04/25 14:36	1
2,4-Dinitrotoluene	ND		10.0	0.650	ug/L		09/02/25 07:00	09/04/25 14:36	1
2,6-Dinitrotoluene	ND		10.0	0.290	ug/L		09/02/25 07:00	09/04/25 14:36	1
2-Chloronaphthalene	ND		10.0	0.380	ug/L		09/02/25 07:00	09/04/25 14:36	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 752-36298-1

Client Sample ID: A-MW-9
Date Collected: 08/27/25 17:05
Date Received: 08/28/25 10:15

Lab Sample ID: 752-36298-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND		10.0	0.840	ug/L		09/02/25 07:00	09/04/25 14:36	1
2-Methylnaphthalene	ND		10.0	0.810	ug/L		09/02/25 07:00	09/04/25 14:36	1
2-Methylphenol	ND		10.0	0.760	ug/L		09/02/25 07:00	09/04/25 14:36	1
2-Nitroaniline	ND		10.0	1.37	ug/L		09/02/25 07:00	09/04/25 14:36	1
2-Nitrophenol	ND		10.0	1.17	ug/L		09/02/25 07:00	09/04/25 14:36	1
3 & 4 Methylphenol	ND		20.0	4.60	ug/L		09/02/25 07:00	09/04/25 14:36	1
3,3'-Dichlorobenzidine	ND		11.0	0.410	ug/L		09/02/25 07:00	09/04/25 14:36	1
3-Nitroaniline	ND		10.0	0.950	ug/L		09/02/25 07:00	09/04/25 14:36	1
4,6-Dinitro-2-methylphenol	ND		10.0	1.97	ug/L		09/02/25 07:00	09/04/25 14:36	1
4-Bromophenyl phenyl ether	ND		10.0	0.130	ug/L		09/02/25 07:00	09/04/25 14:36	1
4-Chloro-3-methylphenol	ND		10.0	0.730	ug/L		09/02/25 07:00	09/04/25 14:36	1
4-Chloroaniline	ND		10.0	0.580	ug/L		09/02/25 07:00	09/04/25 14:36	1
4-Chlorophenyl phenyl ether	ND		10.0	0.240	ug/L		09/02/25 07:00	09/04/25 14:36	1
4-Nitroaniline	ND		10.0	3.50	ug/L		09/02/25 07:00	09/04/25 14:36	1
4-Nitrophenol	ND		10.0	2.74	ug/L		09/02/25 07:00	09/04/25 14:36	1
Acenaphthene	ND		10.0	0.630	ug/L		09/02/25 07:00	09/04/25 14:36	1
Acenaphthylene	ND		10.0	0.760	ug/L		09/02/25 07:00	09/04/25 14:36	1
Acetophenone	ND		10.0	3.20	ug/L		09/02/25 07:00	09/04/25 14:36	1
Anthracene	ND		10.0	0.910	ug/L		09/02/25 07:00	09/04/25 14:36	1
Atrazine	ND		10.0	1.13	ug/L		09/02/25 07:00	09/04/25 14:36	1
Benzaldehyde	ND		10.0	0.670	ug/L		09/02/25 07:00	09/04/25 14:36	1
Benzo[a]anthracene	ND		10.0	1.00	ug/L		09/02/25 07:00	09/04/25 14:36	1
Benzo[a]pyrene	ND		10.0	1.10	ug/L		09/02/25 07:00	09/04/25 14:36	1
Benzo[b]fluoranthene	ND		10.0	1.20	ug/L		09/02/25 07:00	09/04/25 14:36	1
Benzo[g,h,i]perylene	ND		10.0	1.50	ug/L		09/02/25 07:00	09/04/25 14:36	1
Benzo[k]fluoranthene	ND		10.0	1.50	ug/L		09/02/25 07:00	09/04/25 14:36	1
bis (2-chloroisopropyl) ether	ND		10.0	0.930	ug/L		09/02/25 07:00	09/04/25 14:36	1
Bis(2-chloroethoxy)methane	ND		10.0	0.340	ug/L		09/02/25 07:00	09/04/25 14:36	1
Bis(2-chloroethyl)ether	ND		10.0	0.730	ug/L		09/02/25 07:00	09/04/25 14:36	1
Bis(2-ethylhexyl) phthalate	ND		10.0	4.00	ug/L		09/02/25 07:00	09/04/25 14:36	1
Butyl benzyl phthalate	ND		10.0	4.00	ug/L		09/02/25 07:00	09/04/25 14:36	1
Caprolactam	ND		10.0	2.40	ug/L		09/02/25 07:00	09/04/25 14:36	1
Carbazole	ND		10.0	0.320	ug/L		09/02/25 07:00	09/04/25 14:36	1
Chrysene	ND		10.0	1.20	ug/L		09/02/25 07:00	09/04/25 14:36	1
Dibenz(a,h)anthracene	ND		10.0	1.30	ug/L		09/02/25 07:00	09/04/25 14:36	1
Dibenzofuran	ND		10.0	0.640	ug/L		09/02/25 07:00	09/04/25 14:36	1
Diethyl phthalate	ND		10.0	4.00	ug/L		09/02/25 07:00	09/04/25 14:36	1
Dimethyl phthalate	ND		10.0	4.00	ug/L		09/02/25 07:00	09/04/25 14:36	1
Di-n-butyl phthalate	ND		10.0	8.19	ug/L		09/02/25 07:00	09/04/25 14:36	1
Di-n-octyl phthalate	ND		10.0	4.00	ug/L		09/02/25 07:00	09/04/25 14:36	1
Fluoranthene	ND		10.0	0.630	ug/L		09/02/25 07:00	09/04/25 14:36	1
Fluorene	ND		10.0	0.670	ug/L		09/02/25 07:00	09/04/25 14:36	1
Hexachlorobenzene	ND		10.0	0.250	ug/L		09/02/25 07:00	09/04/25 14:36	1
Hexachlorobutadiene	ND		10.0	0.550	ug/L		09/02/25 07:00	09/04/25 14:36	1
Hexachlorocyclopentadiene	ND		20.0	0.320	ug/L		09/02/25 07:00	09/04/25 14:36	1
Hexachloroethane	ND		10.0	0.530	ug/L		09/02/25 07:00	09/04/25 14:36	1
Indeno[1,2,3-cd]pyrene	ND		10.0	1.10	ug/L		09/02/25 07:00	09/04/25 14:36	1
Isophorone	ND		10.0	0.800	ug/L		09/02/25 07:00	09/04/25 14:36	1
Naphthalene	ND		10.0	0.750	ug/L		09/02/25 07:00	09/04/25 14:36	1

Client Sample ID: A-MW-9
Date Collected: 08/27/25 17:05
Date Received: 08/28/25 10:15

Lab Sample ID: 752-36298-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		10.0	0.600	ug/L		09/02/25 07:00	09/04/25 14:36	1
N-Nitrosodi-n-propylamine	ND		10.0	0.330	ug/L		09/02/25 07:00	09/04/25 14:36	1
N-Nitrosodiphenylamine	ND		10.0	0.190	ug/L		09/02/25 07:00	09/04/25 14:36	1
Pentachlorophenol	ND		10.0	2.80	ug/L		09/02/25 07:00	09/04/25 14:36	1
Phenanthrene	ND		10.0	0.740	ug/L		09/02/25 07:00	09/04/25 14:36	1
Phenol	ND		10.0	0.680	ug/L		09/02/25 07:00	09/04/25 14:36	1
Pyrene	ND		10.0	0.630	ug/L		09/02/25 07:00	09/04/25 14:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*75*		*10 - 150*	*09/02/25 07:00*	*09/04/25 14:36*	*1*
2-Fluorobiphenyl (Surr)	*68*		*25 - 139*	*09/02/25 07:00*	*09/04/25 14:36*	*1*
2-Fluorophenol (Surr)	*83*		*10 - 150*	*09/02/25 07:00*	*09/04/25 14:36*	*1*
Nitrobenzene-d5 (Surr)	*69*		*22 - 150*	*09/02/25 07:00*	*09/04/25 14:36*	*1*
Phenol-d5 (Surr)	*82*		*10 - 150*	*09/02/25 07:00*	*09/04/25 14:36*	*1*
Terphenyl-d14 (Surr)	*47*		*28 - 150*	*09/02/25 07:00*	*09/04/25 14:36*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	2.45	ug/L		09/02/25 16:40	09/06/25 03:04	1
Arsenic	ND		5.00	1.32	ug/L		09/02/25 16:40	09/06/25 03:04	1
Barium	**57.9**		10.0	0.410	ug/L		09/02/25 16:40	09/06/25 03:04	1
Beryllium	ND		1.00	0.147	ug/L		09/02/25 16:40	09/06/25 03:04	1
Cadmium	ND		0.700	0.237	ug/L		09/02/25 16:40	09/06/25 03:04	1
Chromium	ND		5.00	3.69	ug/L		09/02/25 16:40	09/06/25 03:04	1
Cobalt	**2.75**	**J**	5.00	0.411	ug/L		09/02/25 16:40	09/06/25 03:04	1
Copper	ND		2.00	0.642	ug/L		09/02/25 16:40	09/06/25 03:04	1
Lead	ND		1.00	0.864	ug/L		09/02/25 16:40	09/06/25 03:04	1
Manganese	**752**		5.00	1.29	ug/L		09/02/25 16:40	09/06/25 03:04	1
Nickel	**5.16**		5.00	0.422	ug/L		09/02/25 16:40	09/06/25 03:04	1
Selenium	ND		5.00	2.29	ug/L		09/02/25 16:40	09/06/25 03:04	1
Silver	ND		1.00	0.167	ug/L		09/02/25 16:40	09/06/25 03:04	1
Thallium	ND		1.00	0.190	ug/L		09/02/25 16:40	09/06/25 03:04	1
Vanadium	ND		5.00	1.22	ug/L		09/02/25 16:40	09/06/25 03:04	1
Zinc	ND		10.0	8.91	ug/L		09/02/25 16:40	09/06/25 03:04	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		09/10/25 14:39	09/10/25 21:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (EPA 350.1)	ND		0.0500	0.0200	mg/L			09/03/25 11:36	1
Nitrate as N (SM Nitrate by calc)	ND		0.100	0.0250	mg/L			09/02/25 16:20	1
Sulfate (SM 4500 SO4 E)	**30.5**		5.00	1.40	mg/L			09/07/25 11:41	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 752-36298-1

Client Sample ID: MW-1
Date Collected: 08/27/25 12:00
Date Received: 08/28/25 10:15

Lab Sample ID: 752-36298-5
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			09/03/25 17:41	1
Benzene	ND		1.00	0.500	ug/L			09/03/25 17:41	1
Bromobenzene	ND		1.00	0.540	ug/L			09/03/25 17:41	1
Bromoform	ND		5.00	0.250	ug/L			09/03/25 17:41	1
Bromomethane	ND	*+	1.00	0.980	ug/L			09/03/25 17:41	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			09/03/25 17:41	1
Carbon disulfide	ND		1.00	0.500	ug/L			09/03/25 17:41	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			09/03/25 17:41	1
Chlorobenzene	ND		1.00	0.420	ug/L			09/03/25 17:41	1
Chlorobromomethane	ND		1.00	0.520	ug/L			09/03/25 17:41	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			09/03/25 17:41	1
Chloroethane	ND		1.00	0.760	ug/L			09/03/25 17:41	1
Chloroform	ND		1.00	0.900	ug/L			09/03/25 17:41	1
Chloromethane	ND		1.00	0.400	ug/L			09/03/25 17:41	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			09/03/25 17:41	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			09/03/25 17:41	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			09/03/25 17:41	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			09/03/25 17:41	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			09/03/25 17:41	1
Dibromomethane	ND		5.00	0.220	ug/L			09/03/25 17:41	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			09/03/25 17:41	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			09/03/25 17:41	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			09/03/25 17:41	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			09/03/25 17:41	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			09/03/25 17:41	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			09/03/25 17:41	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			09/03/25 17:41	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 17:41	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 17:41	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 17:41	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			09/03/25 17:41	1
Ethyl acetate	ND		10.0	6.14	ug/L			09/03/25 17:41	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/03/25 17:41	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			09/03/25 17:41	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			09/03/25 17:41	1
Hexane	ND		1.00	0.960	ug/L			09/03/25 17:41	1
2-Hexanone	ND		25.0	4.26	ug/L			09/03/25 17:41	1
Iodomethane	ND		1.00	0.900	ug/L			09/03/25 17:41	1
Isopropylbenzene	ND		1.00	0.530	ug/L			09/03/25 17:41	1
Isopropyl ether	ND		1.00	0.740	ug/L			09/03/25 17:41	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			09/03/25 17:41	1
Methylene Chloride	ND		5.00	3.00	ug/L			09/03/25 17:41	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			09/03/25 17:41	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			09/03/25 17:41	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			09/03/25 17:41	1
Naphthalene	ND		5.00	3.00	ug/L			09/03/25 17:41	1
n-Butylbenzene	ND		1.00	0.760	ug/L			09/03/25 17:41	1
n-Heptane	ND		1.00	0.210	ug/L			09/03/25 17:41	1
N-Propylbenzene	ND		1.00	0.690	ug/L			09/03/25 17:41	1

Client Sample ID: MW-1
Date Collected: 08/27/25 12:00
Date Received: 08/28/25 10:15

Lab Sample ID: 752-36298-5
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			09/03/25 17:41	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			09/03/25 17:41	1
Styrene	ND		1.00	1.00	ug/L			09/03/25 17:41	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			09/03/25 17:41	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			09/03/25 17:41	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			09/03/25 17:41	1
Tetrachloroethene	ND		1.00	0.330	ug/L			09/03/25 17:41	1
Toluene	ND		1.00	0.900	ug/L			09/03/25 17:41	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			09/03/25 17:41	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			09/03/25 17:41	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			09/03/25 17:41	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			09/03/25 17:41	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			09/03/25 17:41	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			09/03/25 17:41	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			09/03/25 17:41	1
Trichloroethene	ND		1.00	0.150	ug/L			09/03/25 17:41	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			09/03/25 17:41	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			09/03/25 17:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			09/03/25 17:41	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			09/03/25 17:41	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			09/03/25 17:41	1
Vinyl acetate	ND		25.0	0.930	ug/L			09/03/25 17:41	1
Vinyl chloride	ND		1.00	0.500	ug/L			09/03/25 17:41	1
Xylenes, Total	ND		10.0	6.00	ug/L			09/03/25 17:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*56 - 136*		*09/03/25 17:41*	*1*
Dibromofluoromethane	*112*		*79 - 130*		*09/03/25 17:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*136*		*59 - 146*		*09/03/25 17:41*	*1*
Toluene-d8 (Surr)	*100*		*64 - 132*		*09/03/25 17:41*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**0.301**		0.300	0.300	ug/L		09/02/25 10:30	09/05/25 16:30	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*32*		*10 - 140*	*09/02/25 10:30*	*09/05/25 16:30*	*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		10.0	0.420	ug/L		09/02/25 07:00	09/04/25 15:11	1
2,4,5-Trichlorophenol	ND		10.0	0.540	ug/L		09/02/25 07:00	09/04/25 15:11	1
2,4,6-Trichlorophenol	ND		10.0	1.09	ug/L		09/02/25 07:00	09/04/25 15:11	1
2,4-Dichlorophenol	ND		10.0	0.570	ug/L		09/02/25 07:00	09/04/25 15:11	1
2,4-Dimethylphenol	ND		10.0	0.240	ug/L		09/02/25 07:00	09/04/25 15:11	1
2,4-Dinitrophenol	ND		30.0	4.68	ug/L		09/02/25 07:00	09/04/25 15:11	1
2,4-Dinitrotoluene	ND		10.0	0.650	ug/L		09/02/25 07:00	09/04/25 15:11	1
2,6-Dinitrotoluene	ND		10.0	0.290	ug/L		09/02/25 07:00	09/04/25 15:11	1
2-Chloronaphthalene	ND		10.0	0.380	ug/L		09/02/25 07:00	09/04/25 15:11	1
2-Chlorophenol	ND		10.0	0.840	ug/L		09/02/25 07:00	09/04/25 15:11	1
2-Methylnaphthalene	ND		10.0	0.810	ug/L		09/02/25 07:00	09/04/25 15:11	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 752-36298-1

Client Sample ID: MW-1
Date Collected: 08/27/25 12:00
Date Received: 08/28/25 10:15

Lab Sample ID: 752-36298-5
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		10.0	0.760	ug/L		09/02/25 07:00	09/04/25 15:11	1
2-Nitroaniline	ND		10.0	1.37	ug/L		09/02/25 07:00	09/04/25 15:11	1
2-Nitrophenol	ND		10.0	1.17	ug/L		09/02/25 07:00	09/04/25 15:11	1
3 & 4 Methylphenol	ND		20.0	4.60	ug/L		09/02/25 07:00	09/04/25 15:11	1
3,3'-Dichlorobenzidine	ND		11.0	0.410	ug/L		09/02/25 07:00	09/04/25 15:11	1
3-Nitroaniline	ND		10.0	0.950	ug/L		09/02/25 07:00	09/04/25 15:11	1
4,6-Dinitro-2-methylphenol	ND		10.0	1.97	ug/L		09/02/25 07:00	09/04/25 15:11	1
4-Bromophenyl phenyl ether	ND		10.0	0.130	ug/L		09/02/25 07:00	09/04/25 15:11	1
4-Chloro-3-methylphenol	ND		10.0	0.730	ug/L		09/02/25 07:00	09/04/25 15:11	1
4-Chloroaniline	ND		10.0	0.580	ug/L		09/02/25 07:00	09/04/25 15:11	1
4-Chlorophenyl phenyl ether	ND		10.0	0.240	ug/L		09/02/25 07:00	09/04/25 15:11	1
4-Nitroaniline	ND		10.0	3.50	ug/L		09/02/25 07:00	09/04/25 15:11	1
4-Nitrophenol	ND		10.0	2.74	ug/L		09/02/25 07:00	09/04/25 15:11	1
Acenaphthene	ND		10.0	0.630	ug/L		09/02/25 07:00	09/04/25 15:11	1
Acenaphthylene	ND		10.0	0.760	ug/L		09/02/25 07:00	09/04/25 15:11	1
Acetophenone	ND		10.0	3.20	ug/L		09/02/25 07:00	09/04/25 15:11	1
Anthracene	ND		10.0	0.910	ug/L		09/02/25 07:00	09/04/25 15:11	1
Atrazine	ND		10.0	1.13	ug/L		09/02/25 07:00	09/04/25 15:11	1
Benzaldehyde	ND		10.0	0.670	ug/L		09/02/25 07:00	09/04/25 15:11	1
Benzo[a]anthracene	ND		10.0	1.00	ug/L		09/02/25 07:00	09/04/25 15:11	1
Benzo[a]pyrene	ND		10.0	1.10	ug/L		09/02/25 07:00	09/04/25 15:11	1
Benzo[b]fluoranthene	ND		10.0	1.20	ug/L		09/02/25 07:00	09/04/25 15:11	1
Benzo[g,h,i]perylene	ND		10.0	1.50	ug/L		09/02/25 07:00	09/04/25 15:11	1
Benzo[k]fluoranthene	ND		10.0	1.50	ug/L		09/02/25 07:00	09/04/25 15:11	1
bis (2-chloroisopropyl) ether	ND		10.0	0.930	ug/L		09/02/25 07:00	09/04/25 15:11	1
Bis(2-chloroethoxy)methane	ND		10.0	0.340	ug/L		09/02/25 07:00	09/04/25 15:11	1
Bis(2-chloroethyl)ether	ND		10.0	0.730	ug/L		09/02/25 07:00	09/04/25 15:11	1
Bis(2-ethylhexyl) phthalate	ND		10.0	4.00	ug/L		09/02/25 07:00	09/04/25 15:11	1
Butyl benzyl phthalate	ND		10.0	4.00	ug/L		09/02/25 07:00	09/04/25 15:11	1
Caprolactam	ND		10.0	2.40	ug/L		09/02/25 07:00	09/04/25 15:11	1
Carbazole	ND		10.0	0.320	ug/L		09/02/25 07:00	09/04/25 15:11	1
Chrysene	ND		10.0	1.20	ug/L		09/02/25 07:00	09/04/25 15:11	1
Dibenz(a,h)anthracene	ND		10.0	1.30	ug/L		09/02/25 07:00	09/04/25 15:11	1
Dibenzofuran	ND		10.0	0.640	ug/L		09/02/25 07:00	09/04/25 15:11	1
Diethyl phthalate	ND		10.0	4.00	ug/L		09/02/25 07:00	09/04/25 15:11	1
Dimethyl phthalate	ND		10.0	4.00	ug/L		09/02/25 07:00	09/04/25 15:11	1
Di-n-butyl phthalate	ND		10.0	8.19	ug/L		09/02/25 07:00	09/04/25 15:11	1
Di-n-octyl phthalate	ND		10.0	4.00	ug/L		09/02/25 07:00	09/04/25 15:11	1
Fluoranthene	ND		10.0	0.630	ug/L		09/02/25 07:00	09/04/25 15:11	1
Fluorene	ND		10.0	0.670	ug/L		09/02/25 07:00	09/04/25 15:11	1
Hexachlorobenzene	ND		10.0	0.250	ug/L		09/02/25 07:00	09/04/25 15:11	1
Hexachlorobutadiene	ND		10.0	0.550	ug/L		09/02/25 07:00	09/04/25 15:11	1
Hexachlorocyclopentadiene	ND		20.0	0.320	ug/L		09/02/25 07:00	09/04/25 15:11	1
Hexachloroethane	ND		10.0	0.530	ug/L		09/02/25 07:00	09/04/25 15:11	1
Indeno[1,2,3-cd]pyrene	ND		10.0	1.10	ug/L		09/02/25 07:00	09/04/25 15:11	1
Isophorone	ND		10.0	0.800	ug/L		09/02/25 07:00	09/04/25 15:11	1
Naphthalene	ND		10.0	0.750	ug/L		09/02/25 07:00	09/04/25 15:11	1
Nitrobenzene	ND		10.0	0.600	ug/L		09/02/25 07:00	09/04/25 15:11	1
N-Nitrosodi-n-propylamine	ND		10.0	0.330	ug/L		09/02/25 07:00	09/04/25 15:11	1

Client Sample ID: MW-1

Lab Sample ID: 752-36298-5

Date Collected: 08/27/25 12:00

Matrix: Water

Date Received: 08/28/25 10:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		10.0	0.190	ug/L		09/02/25 07:00	09/04/25 15:11	1
Pentachlorophenol	ND		10.0	2.80	ug/L		09/02/25 07:00	09/04/25 15:11	1
Phenanthrene	ND		10.0	0.740	ug/L		09/02/25 07:00	09/04/25 15:11	1
Phenol	ND		10.0	0.680	ug/L		09/02/25 07:00	09/04/25 15:11	1
Pyrene	ND		10.0	0.630	ug/L		09/02/25 07:00	09/04/25 15:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*83*		*10 - 150*	*09/02/25 07:00*	*09/04/25 15:11*	*1*
2-Fluorobiphenyl (Surr)	*75*		*25 - 139*	*09/02/25 07:00*	*09/04/25 15:11*	*1*
2-Fluorophenol (Surr)	*83*		*10 - 150*	*09/02/25 07:00*	*09/04/25 15:11*	*1*
Nitrobenzene-d5 (Surr)	*80*		*22 - 150*	*09/02/25 07:00*	*09/04/25 15:11*	*1*
Phenol-d5 (Surr)	*76*		*10 - 150*	*09/02/25 07:00*	*09/04/25 15:11*	*1*
Terphenyl-d14 (Surr)	*56*		*28 - 150*	*09/02/25 07:00*	*09/04/25 15:11*	*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		09/02/25 16:40	09/06/25 03:06	1
Arsenic	ND		5.00	1.32	ug/L		09/02/25 16:40	09/06/25 03:06	1
Barium	**244**		10.0	0.410	ug/L		09/02/25 16:40	09/06/25 03:06	1
Beryllium	ND		1.00	0.147	ug/L		09/02/25 16:40	09/06/25 03:06	1
Cadmium	ND		0.700	0.237	ug/L		09/02/25 16:40	09/06/25 03:06	1
Chromium	**21.6**		5.00	3.69	ug/L		09/02/25 16:40	09/06/25 03:06	1
Cobalt	ND		5.00	0.411	ug/L		09/02/25 16:40	09/06/25 03:06	1
Copper	**3.61**		2.00	0.642	ug/L		09/02/25 16:40	09/06/25 03:06	1
Lead	ND		1.00	0.864	ug/L		09/02/25 16:40	09/06/25 03:06	1
Manganese	**38.7**		5.00	1.29	ug/L		09/02/25 16:40	09/06/25 03:06	1
Nickel	**0.990**	**J**	5.00	0.422	ug/L		09/02/25 16:40	09/06/25 03:06	1
Selenium	**2.41**	**J**	5.00	2.29	ug/L		09/02/25 16:40	09/06/25 03:06	1
Silver	ND		1.00	0.167	ug/L		09/02/25 16:40	09/06/25 03:06	1
Thallium	ND		1.00	0.190	ug/L		09/02/25 16:40	09/06/25 03:06	1
Vanadium	**5.08**		5.00	1.22	ug/L		09/02/25 16:40	09/06/25 03:06	1
Zinc	ND		10.0	8.91	ug/L		09/02/25 16:40	09/06/25 03:06	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.166	ug/L		09/10/25 14:39	09/10/25 21:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (EPA 350.1)	ND	F1	0.0500	0.0200	mg/L			09/03/25 12:45	1
Nitrate as N (SM Nitrate by calc)	**4.79**		0.100	0.0250	mg/L			09/02/25 16:20	1
Sulfate (SM 4500 SO4 E)	**67.7**		10.0	2.80	mg/L			09/07/25 11:58	2

Client Sample ID: MW-2

Lab Sample ID: 752-36298-6

Date Collected: 08/27/25 11:05

Matrix: Water

Date Received: 08/28/25 10:15

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			09/03/25 18:01	1
Benzene	ND		1.00	0.500	ug/L			09/03/25 18:01	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 752-36298-1

Client Sample ID: MW-2
Date Collected: 08/27/25 11:05
Date Received: 08/28/25 10:15

Lab Sample ID: 752-36298-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		1.00	0.540	ug/L			09/03/25 18:01	1
Bromoform	ND		5.00	0.250	ug/L			09/03/25 18:01	1
Bromomethane	ND	*+	1.00	0.980	ug/L			09/03/25 18:01	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			09/03/25 18:01	1
Carbon disulfide	ND		1.00	0.500	ug/L			09/03/25 18:01	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			09/03/25 18:01	1
Chlorobenzene	ND		1.00	0.420	ug/L			09/03/25 18:01	1
Chlorobromomethane	ND		1.00	0.520	ug/L			09/03/25 18:01	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			09/03/25 18:01	1
Chloroethane	ND		1.00	0.760	ug/L			09/03/25 18:01	1
Chloroform	ND		1.00	0.900	ug/L			09/03/25 18:01	1
Chloromethane	ND		1.00	0.400	ug/L			09/04/25 14:30	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			09/03/25 18:01	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			09/03/25 18:01	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			09/03/25 18:01	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			09/03/25 18:01	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			09/03/25 18:01	1
Dibromomethane	ND		5.00	0.220	ug/L			09/03/25 18:01	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			09/03/25 18:01	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			09/03/25 18:01	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			09/03/25 18:01	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			09/03/25 18:01	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			09/03/25 18:01	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			09/03/25 18:01	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			09/03/25 18:01	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 18:01	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 18:01	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 18:01	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			09/03/25 18:01	1
Ethyl acetate	ND		10.0	6.14	ug/L			09/03/25 18:01	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/03/25 18:01	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			09/03/25 18:01	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			09/03/25 18:01	1
Hexane	ND		1.00	0.960	ug/L			09/03/25 18:01	1
2-Hexanone	ND		25.0	4.26	ug/L			09/03/25 18:01	1
Iodomethane	ND		1.00	0.900	ug/L			09/03/25 18:01	1
Isopropylbenzene	ND		1.00	0.530	ug/L			09/03/25 18:01	1
Isopropyl ether	ND		1.00	0.740	ug/L			09/03/25 18:01	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			09/03/25 18:01	1
Methylene Chloride	ND		5.00	3.00	ug/L			09/03/25 18:01	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			09/03/25 18:01	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			09/03/25 18:01	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			09/03/25 18:01	1
Naphthalene	ND		5.00	3.00	ug/L			09/03/25 18:01	1
n-Butylbenzene	ND		1.00	0.760	ug/L			09/03/25 18:01	1
n-Heptane	ND		1.00	0.210	ug/L			09/03/25 18:01	1
N-Propylbenzene	ND		1.00	0.690	ug/L			09/03/25 18:01	1
o-Xylene	ND		5.00	3.00	ug/L			09/03/25 18:01	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			09/03/25 18:01	1

Client Sample ID: MW-2
Date Collected: 08/27/25 11:05
Date Received: 08/28/25 10:15

Lab Sample ID: 752-36298-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.00	1.00	ug/L			09/03/25 18:01	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			09/03/25 18:01	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			09/03/25 18:01	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			09/03/25 18:01	1
Tetrachloroethene	ND		1.00	0.330	ug/L			09/03/25 18:01	1
Toluene	ND		1.00	0.900	ug/L			09/03/25 18:01	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			09/03/25 18:01	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			09/03/25 18:01	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			09/03/25 18:01	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			09/03/25 18:01	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			09/03/25 18:01	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			09/03/25 18:01	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			09/03/25 18:01	1
Trichloroethene	ND		1.00	0.150	ug/L			09/03/25 18:01	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			09/03/25 18:01	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			09/03/25 18:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			09/03/25 18:01	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			09/03/25 18:01	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			09/03/25 18:01	1
Vinyl acetate	ND		25.0	0.930	ug/L			09/03/25 18:01	1
Vinyl chloride	ND		1.00	0.500	ug/L			09/03/25 18:01	1
Xylenes, Total	ND		10.0	6.00	ug/L			09/03/25 18:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*56 - 136*		*09/03/25 18:01*	*1*
4-Bromofluorobenzene	*102*		*56 - 136*		*09/04/25 14:30*	*1*
Dibromofluoromethane	*112*		*79 - 130*		*09/03/25 18:01*	*1*
Dibromofluoromethane	*87*		*79 - 130*		*09/04/25 14:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*140*		*59 - 146*		*09/03/25 18:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*59 - 146*		*09/04/25 14:30*	*1*
Toluene-d8 (Surr)	*100*		*64 - 132*		*09/03/25 18:01*	*1*
Toluene-d8 (Surr)	*103*		*64 - 132*		*09/04/25 14:30*	*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	**0.598**		0.280	0.280	ug/L		09/02/25 10:30	09/05/25 16:51	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*27*		*10 - 140*	*09/02/25 10:30*	*09/05/25 16:51*	*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		10.1	0.426	ug/L		09/02/25 07:00	09/04/25 15:46	1
2,4,5-Trichlorophenol	ND		10.1	0.547	ug/L		09/02/25 07:00	09/04/25 15:46	1
2,4,6-Trichlorophenol	ND		10.1	1.10	ug/L		09/02/25 07:00	09/04/25 15:46	1
2,4-Dichlorophenol	ND		10.1	0.578	ug/L		09/02/25 07:00	09/04/25 15:46	1
2,4-Dimethylphenol	ND		10.1	0.243	ug/L		09/02/25 07:00	09/04/25 15:46	1
2,4-Dinitrophenol	ND		30.4	4.74	ug/L		09/02/25 07:00	09/04/25 15:46	1
2,4-Dinitrotoluene	ND		10.1	0.659	ug/L		09/02/25 07:00	09/04/25 15:46	1
2,6-Dinitrotoluene	ND		10.1	0.294	ug/L		09/02/25 07:00	09/04/25 15:46	1
2-Chloronaphthalene	ND		10.1	0.385	ug/L		09/02/25 07:00	09/04/25 15:46	1

Client Sample ID: MW-2
Date Collected: 08/27/25 11:05
Date Received: 08/28/25 10:15

Lab Sample ID: 752-36298-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND		10.1	0.851	ug/L		09/02/25 07:00	09/04/25 15:46	1
2-Methylnaphthalene	ND		10.1	0.821	ug/L		09/02/25 07:00	09/04/25 15:46	1
2-Methylphenol	ND		10.1	0.770	ug/L		09/02/25 07:00	09/04/25 15:46	1
2-Nitroaniline	ND		10.1	1.39	ug/L		09/02/25 07:00	09/04/25 15:46	1
2-Nitrophenol	ND		10.1	1.19	ug/L		09/02/25 07:00	09/04/25 15:46	1
3 & 4 Methylphenol	ND		20.3	4.66	ug/L		09/02/25 07:00	09/04/25 15:46	1
3,3'-Dichlorobenzidine	ND		11.1	0.416	ug/L		09/02/25 07:00	09/04/25 15:46	1
3-Nitroaniline	ND		10.1	0.963	ug/L		09/02/25 07:00	09/04/25 15:46	1
4,6-Dinitro-2-methylphenol	ND		10.1	2.00	ug/L		09/02/25 07:00	09/04/25 15:46	1
4-Bromophenyl phenyl ether	ND		10.1	0.132	ug/L		09/02/25 07:00	09/04/25 15:46	1
4-Chloro-3-methylphenol	ND		10.1	0.740	ug/L		09/02/25 07:00	09/04/25 15:46	1
4-Chloroaniline	ND		10.1	0.588	ug/L		09/02/25 07:00	09/04/25 15:46	1
4-Chlorophenyl phenyl ether	ND		10.1	0.243	ug/L		09/02/25 07:00	09/04/25 15:46	1
4-Nitroaniline	ND		10.1	3.55	ug/L		09/02/25 07:00	09/04/25 15:46	1
4-Nitrophenol	ND		10.1	2.78	ug/L		09/02/25 07:00	09/04/25 15:46	1
Acenaphthene	ND		10.1	0.639	ug/L		09/02/25 07:00	09/04/25 15:46	1
Acenaphthylene	ND		10.1	0.770	ug/L		09/02/25 07:00	09/04/25 15:46	1
Acetophenone	ND		10.1	3.24	ug/L		09/02/25 07:00	09/04/25 15:46	1
Anthracene	ND		10.1	0.922	ug/L		09/02/25 07:00	09/04/25 15:46	1
Atrazine	ND		10.1	1.15	ug/L		09/02/25 07:00	09/04/25 15:46	1
Benzaldehyde	ND		10.1	0.679	ug/L		09/02/25 07:00	09/04/25 15:46	1
Benzo[a]anthracene	ND		10.1	1.01	ug/L		09/02/25 07:00	09/04/25 15:46	1
Benzo[a]pyrene	ND		10.1	1.11	ug/L		09/02/25 07:00	09/04/25 15:46	1
Benzo[b]fluoranthene	ND		10.1	1.22	ug/L		09/02/25 07:00	09/04/25 15:46	1
Benzo[g,h,i]perylene	ND		10.1	1.52	ug/L		09/02/25 07:00	09/04/25 15:46	1
Benzo[k]fluoranthene	ND		10.1	1.52	ug/L		09/02/25 07:00	09/04/25 15:46	1
bis (2-chloroisopropyl) ether	ND		10.1	0.943	ug/L		09/02/25 07:00	09/04/25 15:46	1
Bis(2-chloroethoxy)methane	ND		10.1	0.345	ug/L		09/02/25 07:00	09/04/25 15:46	1
Bis(2-chloroethyl)ether	ND		10.1	0.740	ug/L		09/02/25 07:00	09/04/25 15:46	1
Bis(2-ethylhexyl) phthalate	ND		10.1	4.05	ug/L		09/02/25 07:00	09/04/25 15:46	1
Butyl benzyl phthalate	ND		10.1	4.05	ug/L		09/02/25 07:00	09/04/25 15:46	1
Caprolactam	ND		10.1	2.43	ug/L		09/02/25 07:00	09/04/25 15:46	1
Carbazole	ND		10.1	0.324	ug/L		09/02/25 07:00	09/04/25 15:46	1
Chrysene	ND		10.1	1.22	ug/L		09/02/25 07:00	09/04/25 15:46	1
Dibenz(a,h)anthracene	ND		10.1	1.32	ug/L		09/02/25 07:00	09/04/25 15:46	1
Dibenzofuran	ND		10.1	0.649	ug/L		09/02/25 07:00	09/04/25 15:46	1
Diethyl phthalate	ND		10.1	4.05	ug/L		09/02/25 07:00	09/04/25 15:46	1
Dimethyl phthalate	ND		10.1	4.05	ug/L		09/02/25 07:00	09/04/25 15:46	1
Di-n-butyl phthalate	ND		10.1	8.30	ug/L		09/02/25 07:00	09/04/25 15:46	1
Di-n-octyl phthalate	ND		10.1	4.05	ug/L		09/02/25 07:00	09/04/25 15:46	1
Fluoranthene	ND		10.1	0.639	ug/L		09/02/25 07:00	09/04/25 15:46	1
Fluorene	ND		10.1	0.679	ug/L		09/02/25 07:00	09/04/25 15:46	1
Hexachlorobenzene	ND		10.1	0.253	ug/L		09/02/25 07:00	09/04/25 15:46	1
Hexachlorobutadiene	ND		10.1	0.557	ug/L		09/02/25 07:00	09/04/25 15:46	1
Hexachlorocyclopentadiene	ND		20.3	0.324	ug/L		09/02/25 07:00	09/04/25 15:46	1
Hexachloroethane	ND		10.1	0.537	ug/L		09/02/25 07:00	09/04/25 15:46	1
Indeno[1,2,3-cd]pyrene	ND		10.1	1.11	ug/L		09/02/25 07:00	09/04/25 15:46	1
Isophorone	ND		10.1	0.811	ug/L		09/02/25 07:00	09/04/25 15:46	1
Naphthalene	ND		10.1	0.760	ug/L		09/02/25 07:00	09/04/25 15:46	1

Client Sample ID: MW-2

Date Collected: 08/27/25 11:05
Date Received: 08/28/25 10:15

Lab Sample ID: 752-36298-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		10.1	0.608	ug/L		09/02/25 07:00	09/04/25 15:46	1
N-Nitrosodi-n-propylamine	ND		10.1	0.334	ug/L		09/02/25 07:00	09/04/25 15:46	1
N-Nitrosodiphenylamine	ND		10.1	0.193	ug/L		09/02/25 07:00	09/04/25 15:46	1
Pentachlorophenol	ND		10.1	2.84	ug/L		09/02/25 07:00	09/04/25 15:46	1
Phenanthrene	ND		10.1	0.750	ug/L		09/02/25 07:00	09/04/25 15:46	1
Phenol	ND		10.1	0.689	ug/L		09/02/25 07:00	09/04/25 15:46	1
Pyrene	ND		10.1	0.639	ug/L		09/02/25 07:00	09/04/25 15:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*74*		*10 - 150*	*09/02/25 07:00*	*09/04/25 15:46*	*1*
2-Fluorobiphenyl (Surr)	*66*		*25 - 139*	*09/02/25 07:00*	*09/04/25 15:46*	*1*
2-Fluorophenol (Surr)	*77*		*10 - 150*	*09/02/25 07:00*	*09/04/25 15:46*	*1*
Nitrobenzene-d5 (Surr)	*69*		*22 - 150*	*09/02/25 07:00*	*09/04/25 15:46*	*1*
Phenol-d5 (Surr)	*72*		*10 - 150*	*09/02/25 07:00*	*09/04/25 15:46*	*1*
Terphenyl-d14 (Surr)	*51*		*28 - 150*	*09/02/25 07:00*	*09/04/25 15:46*	*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		09/02/25 16:40	09/06/25 03:08	1
Arsenic	ND		5.00	1.32	ug/L		09/02/25 16:40	09/06/25 03:08	1
Barium	**187**		10.0	0.410	ug/L		09/02/25 16:40	09/06/25 03:08	1
Beryllium	ND		1.00	0.147	ug/L		09/02/25 16:40	09/06/25 03:08	1
Cadmium	ND		0.700	0.237	ug/L		09/02/25 16:40	09/06/25 03:08	1
Chromium	ND		5.00	3.69	ug/L		09/02/25 16:40	09/06/25 03:08	1
Cobalt	ND		5.00	0.411	ug/L		09/02/25 16:40	09/06/25 03:08	1
Copper	**3.58**		2.00	0.642	ug/L		09/02/25 16:40	09/06/25 03:08	1
Lead	ND		1.00	0.864	ug/L		09/02/25 16:40	09/06/25 03:08	1
Manganese	**14.9**		5.00	1.29	ug/L		09/02/25 16:40	09/06/25 03:08	1
Nickel	**0.669**	**J**	5.00	0.422	ug/L		09/02/25 16:40	09/06/25 03:08	1
Selenium	ND		5.00	2.29	ug/L		09/02/25 16:40	09/06/25 03:08	1
Silver	ND		1.00	0.167	ug/L		09/02/25 16:40	09/06/25 03:08	1
Thallium	ND		1.00	0.190	ug/L		09/02/25 16:40	09/06/25 03:08	1
Vanadium	**3.68**	**J**	5.00	1.22	ug/L		09/02/25 16:40	09/06/25 03:08	1
Zinc	ND		10.0	8.91	ug/L		09/02/25 16:40	09/06/25 03:08	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.166	ug/L		09/10/25 14:39	09/10/25 21:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (EPA 350.1)	ND		0.0500	0.0200	mg/L			09/03/25 12:50	1
Nitrate as N (SM Nitrate by calc)	**1.25**		0.100	0.0250	mg/L			09/02/25 16:20	1
Sulfate (SM 4500 SO4 E)	**37.3**		5.00	1.40	mg/L			09/07/25 11:42	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 752-36298-1

Client Sample ID: MW-4
Date Collected: 08/27/25 15:15
Date Received: 08/28/25 10:15

Lab Sample ID: 752-36298-7
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			09/03/25 18:22	1
Benzene	ND		1.00	0.500	ug/L			09/03/25 18:22	1
Bromobenzene	ND		1.00	0.540	ug/L			09/03/25 18:22	1
Bromoform	ND		5.00	0.250	ug/L			09/03/25 18:22	1
Bromomethane	ND	*+	1.00	0.980	ug/L			09/03/25 18:22	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			09/03/25 18:22	1
Carbon disulfide	ND		1.00	0.500	ug/L			09/03/25 18:22	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			09/03/25 18:22	1
Chlorobenzene	ND		1.00	0.420	ug/L			09/03/25 18:22	1
Chlorobromomethane	ND		1.00	0.520	ug/L			09/03/25 18:22	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			09/03/25 18:22	1
Chloroethane	ND		1.00	0.760	ug/L			09/03/25 18:22	1
Chloroform	ND		1.00	0.900	ug/L			09/03/25 18:22	1
Chloromethane	**0.777**	**J**	1.00	0.400	ug/L			09/03/25 18:22	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			09/03/25 18:22	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			09/03/25 18:22	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			09/03/25 18:22	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			09/03/25 18:22	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			09/03/25 18:22	1
Dibromomethane	ND		5.00	0.220	ug/L			09/03/25 18:22	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			09/03/25 18:22	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			09/03/25 18:22	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			09/03/25 18:22	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			09/03/25 18:22	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			09/03/25 18:22	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			09/03/25 18:22	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			09/03/25 18:22	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 18:22	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 18:22	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 18:22	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			09/03/25 18:22	1
Ethyl acetate	ND		10.0	6.14	ug/L			09/03/25 18:22	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/03/25 18:22	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			09/03/25 18:22	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			09/03/25 18:22	1
Hexane	ND		1.00	0.960	ug/L			09/03/25 18:22	1
2-Hexanone	ND		25.0	4.26	ug/L			09/03/25 18:22	1
Iodomethane	ND		1.00	0.900	ug/L			09/03/25 18:22	1
Isopropylbenzene	ND		1.00	0.530	ug/L			09/03/25 18:22	1
Isopropyl ether	ND		1.00	0.740	ug/L			09/03/25 18:22	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			09/03/25 18:22	1
Methylene Chloride	ND		5.00	3.00	ug/L			09/03/25 18:22	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			09/03/25 18:22	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			09/03/25 18:22	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			09/03/25 18:22	1
Naphthalene	ND		5.00	3.00	ug/L			09/03/25 18:22	1
n-Butylbenzene	ND		1.00	0.760	ug/L			09/03/25 18:22	1
n-Heptane	ND		1.00	0.210	ug/L			09/03/25 18:22	1
N-Propylbenzene	ND		1.00	0.690	ug/L			09/03/25 18:22	1

Client Sample ID: MW-4
Date Collected: 08/27/25 15:15
Date Received: 08/28/25 10:15

Lab Sample ID: 752-36298-7
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			09/03/25 18:22	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			09/03/25 18:22	1
Styrene	ND		1.00	1.00	ug/L			09/03/25 18:22	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			09/03/25 18:22	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			09/03/25 18:22	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			09/03/25 18:22	1
Tetrachloroethene	ND		1.00	0.330	ug/L			09/03/25 18:22	1
Toluene	ND		1.00	0.900	ug/L			09/03/25 18:22	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			09/03/25 18:22	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			09/03/25 18:22	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			09/03/25 18:22	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			09/03/25 18:22	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			09/03/25 18:22	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			09/03/25 18:22	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			09/03/25 18:22	1
Trichloroethene	ND		1.00	0.150	ug/L			09/03/25 18:22	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			09/03/25 18:22	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			09/03/25 18:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			09/03/25 18:22	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			09/03/25 18:22	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			09/03/25 18:22	1
Vinyl acetate	ND		25.0	0.930	ug/L			09/03/25 18:22	1
Vinyl chloride	ND		1.00	0.500	ug/L			09/03/25 18:22	1
Xylenes, Total	ND		10.0	6.00	ug/L			09/03/25 18:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*56 - 136*		*09/03/25 18:22*	*1*
Dibromofluoromethane	*113*		*79 - 130*		*09/03/25 18:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*138*		*59 - 146*		*09/03/25 18:22*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*09/03/25 18:22*	*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		0.326	0.326	ug/L		09/02/25 10:30	09/05/25 17:13	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*30*		*10 - 140*	*09/02/25 10:30*	*09/05/25 17:13*	*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		9.71	0.408	ug/L		09/02/25 07:00	09/04/25 16:21	1
2,4,5-Trichlorophenol	ND		9.71	0.524	ug/L		09/02/25 07:00	09/04/25 16:21	1
2,4,6-Trichlorophenol	ND		9.71	1.06	ug/L		09/02/25 07:00	09/04/25 16:21	1
2,4-Dichlorophenol	ND		9.71	0.553	ug/L		09/02/25 07:00	09/04/25 16:21	1
2,4-Dimethylphenol	ND		9.71	0.233	ug/L		09/02/25 07:00	09/04/25 16:21	1
2,4-Dinitrophenol	ND		29.1	4.54	ug/L		09/02/25 07:00	09/04/25 16:21	1
2,4-Dinitrotoluene	ND		9.71	0.631	ug/L		09/02/25 07:00	09/04/25 16:21	1
2,6-Dinitrotoluene	ND		9.71	0.282	ug/L		09/02/25 07:00	09/04/25 16:21	1
2-Chloronaphthalene	ND		9.71	0.369	ug/L		09/02/25 07:00	09/04/25 16:21	1
2-Chlorophenol	ND		9.71	0.816	ug/L		09/02/25 07:00	09/04/25 16:21	1
2-Methylnaphthalene	ND		9.71	0.786	ug/L		09/02/25 07:00	09/04/25 16:21	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 752-36298-1

Client Sample ID: MW-4
Date Collected: 08/27/25 15:15
Date Received: 08/28/25 10:15

Lab Sample ID: 752-36298-7
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		9.71	0.738	ug/L		09/02/25 07:00	09/04/25 16:21	1
2-Nitroaniline	ND		9.71	1.33	ug/L		09/02/25 07:00	09/04/25 16:21	1
2-Nitrophenol	ND		9.71	1.14	ug/L		09/02/25 07:00	09/04/25 16:21	1
3 & 4 Methylphenol	ND		19.4	4.47	ug/L		09/02/25 07:00	09/04/25 16:21	1
3,3'-Dichlorobenzidine	ND		10.7	0.398	ug/L		09/02/25 07:00	09/04/25 16:21	1
3-Nitroaniline	ND		9.71	0.922	ug/L		09/02/25 07:00	09/04/25 16:21	1
4,6-Dinitro-2-methylphenol	ND		9.71	1.91	ug/L		09/02/25 07:00	09/04/25 16:21	1
4-Bromophenyl phenyl ether	ND		9.71	0.126	ug/L		09/02/25 07:00	09/04/25 16:21	1
4-Chloro-3-methylphenol	ND		9.71	0.709	ug/L		09/02/25 07:00	09/04/25 16:21	1
4-Chloroaniline	ND		9.71	0.563	ug/L		09/02/25 07:00	09/04/25 16:21	1
4-Chlorophenyl phenyl ether	ND		9.71	0.233	ug/L		09/02/25 07:00	09/04/25 16:21	1
4-Nitroaniline	ND		9.71	3.40	ug/L		09/02/25 07:00	09/04/25 16:21	1
4-Nitrophenol	ND		9.71	2.66	ug/L		09/02/25 07:00	09/04/25 16:21	1
Acenaphthene	ND		9.71	0.612	ug/L		09/02/25 07:00	09/04/25 16:21	1
Acenaphthylene	ND		9.71	0.738	ug/L		09/02/25 07:00	09/04/25 16:21	1
Acetophenone	ND		9.71	3.11	ug/L		09/02/25 07:00	09/04/25 16:21	1
Anthracene	ND		9.71	0.883	ug/L		09/02/25 07:00	09/04/25 16:21	1
Atrazine	ND		9.71	1.10	ug/L		09/02/25 07:00	09/04/25 16:21	1
Benzaldehyde	ND		9.71	0.650	ug/L		09/02/25 07:00	09/04/25 16:21	1
Benzo[a]anthracene	ND		9.71	0.971	ug/L		09/02/25 07:00	09/04/25 16:21	1
Benzo[a]pyrene	ND		9.71	1.07	ug/L		09/02/25 07:00	09/04/25 16:21	1
Benzo[b]fluoranthene	ND		9.71	1.17	ug/L		09/02/25 07:00	09/04/25 16:21	1
Benzo[g,h,i]perylene	ND		9.71	1.46	ug/L		09/02/25 07:00	09/04/25 16:21	1
Benzo[k]fluoranthene	ND		9.71	1.46	ug/L		09/02/25 07:00	09/04/25 16:21	1
bis (2-chloroisopropyl) ether	ND		9.71	0.903	ug/L		09/02/25 07:00	09/04/25 16:21	1
Bis(2-chloroethoxy)methane	ND		9.71	0.330	ug/L		09/02/25 07:00	09/04/25 16:21	1
Bis(2-chloroethyl)ether	ND		9.71	0.709	ug/L		09/02/25 07:00	09/04/25 16:21	1
Bis(2-ethylhexyl) phthalate	ND		9.71	3.88	ug/L		09/02/25 07:00	09/04/25 16:21	1
Butyl benzyl phthalate	ND		9.71	3.88	ug/L		09/02/25 07:00	09/04/25 16:21	1
Caprolactam	ND		9.71	2.33	ug/L		09/02/25 07:00	09/04/25 16:21	1
Carbazole	ND		9.71	0.311	ug/L		09/02/25 07:00	09/04/25 16:21	1
Chrysene	ND		9.71	1.17	ug/L		09/02/25 07:00	09/04/25 16:21	1
Dibenz(a,h)anthracene	ND		9.71	1.26	ug/L		09/02/25 07:00	09/04/25 16:21	1
Dibenzofuran	ND		9.71	0.621	ug/L		09/02/25 07:00	09/04/25 16:21	1
Diethyl phthalate	ND		9.71	3.88	ug/L		09/02/25 07:00	09/04/25 16:21	1
Dimethyl phthalate	ND		9.71	3.88	ug/L		09/02/25 07:00	09/04/25 16:21	1
Di-n-butyl phthalate	ND		9.71	7.95	ug/L		09/02/25 07:00	09/04/25 16:21	1
Di-n-octyl phthalate	ND		9.71	3.88	ug/L		09/02/25 07:00	09/04/25 16:21	1
Fluoranthene	ND		9.71	0.612	ug/L		09/02/25 07:00	09/04/25 16:21	1
Fluorene	ND		9.71	0.650	ug/L		09/02/25 07:00	09/04/25 16:21	1
Hexachlorobenzene	ND		9.71	0.243	ug/L		09/02/25 07:00	09/04/25 16:21	1
Hexachlorobutadiene	ND		9.71	0.534	ug/L		09/02/25 07:00	09/04/25 16:21	1
Hexachlorocyclopentadiene	ND		19.4	0.311	ug/L		09/02/25 07:00	09/04/25 16:21	1
Hexachloroethane	ND		9.71	0.515	ug/L		09/02/25 07:00	09/04/25 16:21	1
Indeno[1,2,3-cd]pyrene	ND		9.71	1.07	ug/L		09/02/25 07:00	09/04/25 16:21	1
Isophorone	ND		9.71	0.777	ug/L		09/02/25 07:00	09/04/25 16:21	1
Naphthalene	ND		9.71	0.728	ug/L		09/02/25 07:00	09/04/25 16:21	1
Nitrobenzene	ND		9.71	0.583	ug/L		09/02/25 07:00	09/04/25 16:21	1
N-Nitrosodi-n-propylamine	ND		9.71	0.320	ug/L		09/02/25 07:00	09/04/25 16:21	1

Client Sample ID: MW-4

Lab Sample ID: 752-36298-7

Date Collected: 08/27/25 15:15

Matrix: Water

Date Received: 08/28/25 10:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		9.71	0.184	ug/L		09/02/25 07:00	09/04/25 16:21	1
Pentachlorophenol	ND		9.71	2.72	ug/L		09/02/25 07:00	09/04/25 16:21	1
Phenanthrene	ND		9.71	0.718	ug/L		09/02/25 07:00	09/04/25 16:21	1
Phenol	ND		9.71	0.660	ug/L		09/02/25 07:00	09/04/25 16:21	1
Pyrene	ND		9.71	0.612	ug/L		09/02/25 07:00	09/04/25 16:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*81*		*10 - 150*	*09/02/25 07:00*	*09/04/25 16:21*	*1*
2-Fluorobiphenyl (Surr)	*73*		*25 - 139*	*09/02/25 07:00*	*09/04/25 16:21*	*1*
2-Fluorophenol (Surr)	*83*		*10 - 150*	*09/02/25 07:00*	*09/04/25 16:21*	*1*
Nitrobenzene-d5 (Surr)	*75*		*22 - 150*	*09/02/25 07:00*	*09/04/25 16:21*	*1*
Phenol-d5 (Surr)	*76*		*10 - 150*	*09/02/25 07:00*	*09/04/25 16:21*	*1*
Terphenyl-d14 (Surr)	*51*		*28 - 150*	*09/02/25 07:00*	*09/04/25 16:21*	*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		09/02/25 16:40	09/06/25 03:11	1
Arsenic	ND		5.00	1.32	ug/L		09/02/25 16:40	09/06/25 03:11	1
Barium	**283**		10.0	0.410	ug/L		09/02/25 16:40	09/06/25 03:11	1
Beryllium	ND		1.00	0.147	ug/L		09/02/25 16:40	09/06/25 03:11	1
Cadmium	ND		0.700	0.237	ug/L		09/02/25 16:40	09/06/25 03:11	1
Chromium	ND		5.00	3.69	ug/L		09/02/25 16:40	09/06/25 03:11	1
Cobalt	**0.666**	**J**	5.00	0.411	ug/L		09/02/25 16:40	09/06/25 03:11	1
Copper	**3.18**		2.00	0.642	ug/L		09/02/25 16:40	09/06/25 03:11	1
Lead	ND		1.00	0.864	ug/L		09/02/25 16:40	09/06/25 03:11	1
Manganese	**423**		5.00	1.29	ug/L		09/02/25 16:40	09/06/25 03:11	1
Nickel	**1.44**	**J**	5.00	0.422	ug/L		09/02/25 16:40	09/06/25 03:11	1
Selenium	ND		5.00	2.29	ug/L		09/02/25 16:40	09/06/25 03:11	1
Silver	ND		1.00	0.167	ug/L		09/02/25 16:40	09/06/25 03:11	1
Thallium	ND		1.00	0.190	ug/L		09/02/25 16:40	09/06/25 03:11	1
Vanadium	**6.45**		5.00	1.22	ug/L		09/02/25 16:40	09/06/25 03:11	1
Zinc	ND		10.0	8.91	ug/L		09/02/25 16:40	09/06/25 03:11	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		09/10/25 14:39	09/10/25 21:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (EPA 350.1)	ND		0.0500	0.0200	mg/L			09/03/25 12:52	1
Nitrate as N (SM Nitrate by calc)	**0.257**		0.100	0.0250	mg/L			09/02/25 16:20	1
Sulfate (SM 4500 SO4 E)	**63.8**	**F1**	10.0	2.80	mg/L			09/07/25 11:59	2

Client Sample ID: MW-5

Lab Sample ID: 752-36298-8

Date Collected: 08/27/25 15:25

Matrix: Water

Date Received: 08/28/25 10:15

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			09/03/25 18:43	1
Benzene	ND		1.00	0.500	ug/L			09/03/25 18:43	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 752-36298-1

Client Sample ID: MW-5
Date Collected: 08/27/25 15:25
Date Received: 08/28/25 10:15

Lab Sample ID: 752-36298-8
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		1.00	0.540	ug/L			09/03/25 18:43	1
Bromoform	ND		5.00	0.250	ug/L			09/03/25 18:43	1
Bromomethane	ND	*+	1.00	0.980	ug/L			09/03/25 18:43	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			09/03/25 18:43	1
Carbon disulfide	ND		1.00	0.500	ug/L			09/03/25 18:43	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			09/03/25 18:43	1
Chlorobenzene	ND		1.00	0.420	ug/L			09/03/25 18:43	1
Chlorobromomethane	ND		1.00	0.520	ug/L			09/03/25 18:43	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			09/03/25 18:43	1
Chloroethane	ND		1.00	0.760	ug/L			09/03/25 18:43	1
Chloroform	ND		1.00	0.900	ug/L			09/03/25 18:43	1
Chloromethane	ND		1.00	0.400	ug/L			09/03/25 18:43	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			09/03/25 18:43	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			09/03/25 18:43	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			09/03/25 18:43	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			09/03/25 18:43	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			09/03/25 18:43	1
Dibromomethane	ND		5.00	0.220	ug/L			09/03/25 18:43	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			09/03/25 18:43	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			09/03/25 18:43	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			09/03/25 18:43	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			09/03/25 18:43	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			09/03/25 18:43	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			09/03/25 18:43	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			09/03/25 18:43	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 18:43	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 18:43	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 18:43	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			09/03/25 18:43	1
Ethyl acetate	ND		10.0	6.14	ug/L			09/03/25 18:43	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/03/25 18:43	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			09/03/25 18:43	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			09/03/25 18:43	1
Hexane	ND		1.00	0.960	ug/L			09/03/25 18:43	1
2-Hexanone	ND		25.0	4.26	ug/L			09/03/25 18:43	1
Iodomethane	ND		1.00	0.900	ug/L			09/03/25 18:43	1
Isopropylbenzene	ND		1.00	0.530	ug/L			09/03/25 18:43	1
Isopropyl ether	ND		1.00	0.740	ug/L			09/03/25 18:43	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			09/03/25 18:43	1
Methylene Chloride	ND		5.00	3.00	ug/L			09/03/25 18:43	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			09/03/25 18:43	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			09/03/25 18:43	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			09/03/25 18:43	1
Naphthalene	ND		5.00	3.00	ug/L			09/03/25 18:43	1
n-Butylbenzene	ND		1.00	0.760	ug/L			09/03/25 18:43	1
n-Heptane	ND		1.00	0.210	ug/L			09/03/25 18:43	1
N-Propylbenzene	ND		1.00	0.690	ug/L			09/03/25 18:43	1
o-Xylene	ND		5.00	3.00	ug/L			09/03/25 18:43	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			09/03/25 18:43	1

Client Sample ID: MW-5
Date Collected: 08/27/25 15:25
Date Received: 08/28/25 10:15

Lab Sample ID: 752-36298-8
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.00	1.00	ug/L			09/03/25 18:43	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			09/03/25 18:43	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			09/03/25 18:43	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			09/03/25 18:43	1
Tetrachloroethene	ND		1.00	0.330	ug/L			09/03/25 18:43	1
Toluene	ND		1.00	0.900	ug/L			09/03/25 18:43	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			09/03/25 18:43	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			09/03/25 18:43	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			09/03/25 18:43	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			09/03/25 18:43	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			09/03/25 18:43	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			09/03/25 18:43	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			09/03/25 18:43	1
Trichloroethene	ND		1.00	0.150	ug/L			09/03/25 18:43	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			09/03/25 18:43	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			09/03/25 18:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			09/03/25 18:43	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			09/03/25 18:43	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			09/03/25 18:43	1
Vinyl acetate	ND		25.0	0.930	ug/L			09/03/25 18:43	1
Vinyl chloride	ND		1.00	0.500	ug/L			09/03/25 18:43	1
Xylenes, Total	ND		10.0	6.00	ug/L			09/03/25 18:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*56 - 136*		*09/03/25 18:43*	*1*
Dibromofluoromethane	*110*		*79 - 130*		*09/03/25 18:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*137*		*59 - 146*		*09/03/25 18:43*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*09/03/25 18:43*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.308	0.308	ug/L		09/02/25 10:30	09/05/25 17:35	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*21*		*10 - 140*	*09/02/25 10:30*	*09/05/25 17:35*	*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		9.80	0.412	ug/L		09/02/25 07:00	09/04/25 16:56	1
2,4,5-Trichlorophenol	ND		9.80	0.529	ug/L		09/02/25 07:00	09/04/25 16:56	1
2,4,6-Trichlorophenol	ND		9.80	1.07	ug/L		09/02/25 07:00	09/04/25 16:56	1
2,4-Dichlorophenol	ND		9.80	0.559	ug/L		09/02/25 07:00	09/04/25 16:56	1
2,4-Dimethylphenol	ND		9.80	0.235	ug/L		09/02/25 07:00	09/04/25 16:56	1
2,4-Dinitrophenol	ND		29.4	4.59	ug/L		09/02/25 07:00	09/04/25 16:56	1
2,4-Dinitrotoluene	ND		9.80	0.637	ug/L		09/02/25 07:00	09/04/25 16:56	1
2,6-Dinitrotoluene	ND		9.80	0.284	ug/L		09/02/25 07:00	09/04/25 16:56	1
2-Chloronaphthalene	ND		9.80	0.373	ug/L		09/02/25 07:00	09/04/25 16:56	1
2-Chlorophenol	ND		9.80	0.824	ug/L		09/02/25 07:00	09/04/25 16:56	1
2-Methylnaphthalene	ND		9.80	0.794	ug/L		09/02/25 07:00	09/04/25 16:56	1
2-Methylphenol	ND		9.80	0.745	ug/L		09/02/25 07:00	09/04/25 16:56	1
2-Nitroaniline	ND		9.80	1.34	ug/L		09/02/25 07:00	09/04/25 16:56	1

Client Sample ID: MW-5
Date Collected: 08/27/25 15:25
Date Received: 08/28/25 10:15

Lab Sample ID: 752-36298-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	ND		9.80	1.15	ug/L		09/02/25 07:00	09/04/25 16:56	1
3 & 4 Methylphenol	ND		19.6	4.51	ug/L		09/02/25 07:00	09/04/25 16:56	1
3,3'-Dichlorobenzidine	ND		10.8	0.402	ug/L		09/02/25 07:00	09/04/25 16:56	1
3-Nitroaniline	ND		9.80	0.931	ug/L		09/02/25 07:00	09/04/25 16:56	1
4,6-Dinitro-2-methylphenol	ND		9.80	1.93	ug/L		09/02/25 07:00	09/04/25 16:56	1
4-Bromophenyl phenyl ether	ND		9.80	0.127	ug/L		09/02/25 07:00	09/04/25 16:56	1
4-Chloro-3-methylphenol	ND		9.80	0.716	ug/L		09/02/25 07:00	09/04/25 16:56	1
4-Chloroaniline	ND		9.80	0.569	ug/L		09/02/25 07:00	09/04/25 16:56	1
4-Chlorophenyl phenyl ether	ND		9.80	0.235	ug/L		09/02/25 07:00	09/04/25 16:56	1
4-Nitroaniline	ND		9.80	3.43	ug/L		09/02/25 07:00	09/04/25 16:56	1
4-Nitrophenol	ND		9.80	2.69	ug/L		09/02/25 07:00	09/04/25 16:56	1
Acenaphthene	ND		9.80	0.618	ug/L		09/02/25 07:00	09/04/25 16:56	1
Acenaphthylene	ND		9.80	0.745	ug/L		09/02/25 07:00	09/04/25 16:56	1
Acetophenone	ND		9.80	3.14	ug/L		09/02/25 07:00	09/04/25 16:56	1
Anthracene	ND		9.80	0.892	ug/L		09/02/25 07:00	09/04/25 16:56	1
Atrazine	ND		9.80	1.11	ug/L		09/02/25 07:00	09/04/25 16:56	1
Benzaldehyde	ND		9.80	0.657	ug/L		09/02/25 07:00	09/04/25 16:56	1
Benzo[a]anthracene	ND		9.80	0.980	ug/L		09/02/25 07:00	09/04/25 16:56	1
Benzo[a]pyrene	ND		9.80	1.08	ug/L		09/02/25 07:00	09/04/25 16:56	1
Benzo[b]fluoranthene	ND		9.80	1.18	ug/L		09/02/25 07:00	09/04/25 16:56	1
Benzo[g,h,i]perylene	ND		9.80	1.47	ug/L		09/02/25 07:00	09/04/25 16:56	1
Benzo[k]fluoranthene	ND		9.80	1.47	ug/L		09/02/25 07:00	09/04/25 16:56	1
bis (2-chloroisopropyl) ether	ND		9.80	0.912	ug/L		09/02/25 07:00	09/04/25 16:56	1
Bis(2-chloroethoxy)methane	ND		9.80	0.333	ug/L		09/02/25 07:00	09/04/25 16:56	1
Bis(2-chloroethyl)ether	ND		9.80	0.716	ug/L		09/02/25 07:00	09/04/25 16:56	1
Bis(2-ethylhexyl) phthalate	ND		9.80	3.92	ug/L		09/02/25 07:00	09/04/25 16:56	1
Butyl benzyl phthalate	ND		9.80	3.92	ug/L		09/02/25 07:00	09/04/25 16:56	1
Caprolactam	**3.44**	**J**	9.80	2.35	ug/L		09/02/25 07:00	09/04/25 16:56	1
Carbazole	ND		9.80	0.314	ug/L		09/02/25 07:00	09/04/25 16:56	1
Chrysene	ND		9.80	1.18	ug/L		09/02/25 07:00	09/04/25 16:56	1
Dibenz(a,h)anthracene	ND		9.80	1.27	ug/L		09/02/25 07:00	09/04/25 16:56	1
Dibenzofuran	ND		9.80	0.627	ug/L		09/02/25 07:00	09/04/25 16:56	1
Diethyl phthalate	ND		9.80	3.92	ug/L		09/02/25 07:00	09/04/25 16:56	1
Dimethyl phthalate	ND		9.80	3.92	ug/L		09/02/25 07:00	09/04/25 16:56	1
Di-n-butyl phthalate	ND		9.80	8.03	ug/L		09/02/25 07:00	09/04/25 16:56	1
Di-n-octyl phthalate	ND		9.80	3.92	ug/L		09/02/25 07:00	09/04/25 16:56	1
Fluoranthene	ND		9.80	0.618	ug/L		09/02/25 07:00	09/04/25 16:56	1
Fluorene	ND		9.80	0.657	ug/L		09/02/25 07:00	09/04/25 16:56	1
Hexachlorobenzene	ND		9.80	0.245	ug/L		09/02/25 07:00	09/04/25 16:56	1
Hexachlorobutadiene	ND		9.80	0.539	ug/L		09/02/25 07:00	09/04/25 16:56	1
Hexachlorocyclopentadiene	ND		19.6	0.314	ug/L		09/02/25 07:00	09/04/25 16:56	1
Hexachloroethane	ND		9.80	0.520	ug/L		09/02/25 07:00	09/04/25 16:56	1
Indeno[1,2,3-cd]pyrene	ND		9.80	1.08	ug/L		09/02/25 07:00	09/04/25 16:56	1
Isophorone	ND		9.80	0.784	ug/L		09/02/25 07:00	09/04/25 16:56	1
Naphthalene	ND		9.80	0.735	ug/L		09/02/25 07:00	09/04/25 16:56	1
Nitrobenzene	ND		9.80	0.588	ug/L		09/02/25 07:00	09/04/25 16:56	1
N-Nitrosodi-n-propylamine	ND		9.80	0.324	ug/L		09/02/25 07:00	09/04/25 16:56	1
N-Nitrosodiphenylamine	ND		9.80	0.186	ug/L		09/02/25 07:00	09/04/25 16:56	1
Pentachlorophenol	ND		9.80	2.75	ug/L		09/02/25 07:00	09/04/25 16:56	1

Client Sample ID: MW-5

Lab Sample ID: 752-36298-8

Date Collected: 08/27/25 15:25

Matrix: Water

Date Received: 08/28/25 10:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		9.80	0.725	ug/L		09/02/25 07:00	09/04/25 16:56	1
Phenol	ND		9.80	0.667	ug/L		09/02/25 07:00	09/04/25 16:56	1
Pyrene	ND		9.80	0.618	ug/L		09/02/25 07:00	09/04/25 16:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*78*		*10 - 150*	*09/02/25 07:00*	*09/04/25 16:56*	*1*
2-Fluorobiphenyl (Surr)	*74*		*25 - 139*	*09/02/25 07:00*	*09/04/25 16:56*	*1*
2-Fluorophenol (Surr)	*78*		*10 - 150*	*09/02/25 07:00*	*09/04/25 16:56*	*1*
Nitrobenzene-d5 (Surr)	*73*		*22 - 150*	*09/02/25 07:00*	*09/04/25 16:56*	*1*
Phenol-d5 (Surr)	*72*		*10 - 150*	*09/02/25 07:00*	*09/04/25 16:56*	*1*
Terphenyl-d14 (Surr)	*54*		*28 - 150*	*09/02/25 07:00*	*09/04/25 16:56*	*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		09/02/25 16:40	09/06/25 03:13	1
Arsenic	ND		5.00	1.32	ug/L		09/02/25 16:40	09/06/25 03:13	1
Barium	**140**		10.0	0.410	ug/L		09/02/25 16:40	09/06/25 03:13	1
Beryllium	ND		1.00	0.147	ug/L		09/02/25 16:40	09/06/25 03:13	1
Cadmium	ND		0.700	0.237	ug/L		09/02/25 16:40	09/06/25 03:13	1
Chromium	ND		5.00	3.69	ug/L		09/02/25 16:40	09/06/25 03:13	1
Cobalt	**0.605**	**J**	5.00	0.411	ug/L		09/02/25 16:40	09/06/25 03:13	1
Copper	**1.27**	**J**	2.00	0.642	ug/L		09/02/25 16:40	09/06/25 03:13	1
Lead	ND		1.00	0.864	ug/L		09/02/25 16:40	09/06/25 03:13	1
Manganese	**126**		5.00	1.29	ug/L		09/02/25 16:40	09/06/25 03:13	1
Nickel	**1.07**	**J**	5.00	0.422	ug/L		09/02/25 16:40	09/06/25 03:13	1
Selenium	ND		5.00	2.29	ug/L		09/02/25 16:40	09/06/25 03:13	1
Silver	ND		1.00	0.167	ug/L		09/02/25 16:40	09/06/25 03:13	1
Thallium	ND		1.00	0.190	ug/L		09/02/25 16:40	09/06/25 03:13	1
Vanadium	**3.66**	**J**	5.00	1.22	ug/L		09/02/25 16:40	09/06/25 03:13	1
Zinc	ND		10.0	8.91	ug/L		09/02/25 16:40	09/06/25 03:13	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		09/10/25 14:39	09/10/25 22:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (EPA 350.1)	ND		0.0500	0.0200	mg/L			09/03/25 12:54	1
Nitrate as N (SM Nitrate by calc)	ND		0.100	0.0250	mg/L			09/02/25 16:20	1
Sulfate (SM 4500 SO4 E)	**13.0**		5.00	1.40	mg/L			09/07/25 11:44	1

Client Sample ID: Duplicate-2

Lab Sample ID: 752-36298-9

Date Collected: 08/27/25 00:00

Matrix: Water

Date Received: 08/28/25 10:15

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			09/03/25 19:04	1
Benzene	ND		1.00	0.500	ug/L			09/03/25 19:04	1
Bromobenzene	ND		1.00	0.540	ug/L			09/03/25 19:04	1
Bromoform	ND		5.00	0.250	ug/L			09/03/25 19:04	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 752-36298-1

Client Sample ID: Duplicate-2
Date Collected: 08/27/25 00:00
Date Received: 08/28/25 10:15

Lab Sample ID: 752-36298-9
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND	*+	1.00	0.980	ug/L			09/03/25 19:04	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			09/03/25 19:04	1
Carbon disulfide	ND		1.00	0.500	ug/L			09/03/25 19:04	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			09/03/25 19:04	1
Chlorobenzene	ND		1.00	0.420	ug/L			09/03/25 19:04	1
Chlorobromomethane	ND		1.00	0.520	ug/L			09/03/25 19:04	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			09/03/25 19:04	1
Chloroethane	ND		1.00	0.760	ug/L			09/03/25 19:04	1
Chloroform	ND		1.00	0.900	ug/L			09/03/25 19:04	1
Chloromethane	**0.417**	**J**	1.00	0.400	ug/L			09/03/25 19:04	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			09/03/25 19:04	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			09/03/25 19:04	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			09/03/25 19:04	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			09/03/25 19:04	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			09/03/25 19:04	1
Dibromomethane	ND		5.00	0.220	ug/L			09/03/25 19:04	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			09/03/25 19:04	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			09/03/25 19:04	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			09/03/25 19:04	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			09/03/25 19:04	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			09/03/25 19:04	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			09/03/25 19:04	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			09/03/25 19:04	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 19:04	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 19:04	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 19:04	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			09/03/25 19:04	1
Ethyl acetate	ND		10.0	6.14	ug/L			09/03/25 19:04	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/03/25 19:04	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			09/03/25 19:04	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			09/03/25 19:04	1
Hexane	ND		1.00	0.960	ug/L			09/03/25 19:04	1
2-Hexanone	ND		25.0	4.26	ug/L			09/03/25 19:04	1
Iodomethane	ND		1.00	0.900	ug/L			09/03/25 19:04	1
Isopropylbenzene	ND		1.00	0.530	ug/L			09/03/25 19:04	1
Isopropyl ether	ND		1.00	0.740	ug/L			09/03/25 19:04	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			09/03/25 19:04	1
Methylene Chloride	ND		5.00	3.00	ug/L			09/03/25 19:04	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			09/03/25 19:04	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			09/03/25 19:04	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			09/03/25 19:04	1
Naphthalene	ND		5.00	3.00	ug/L			09/03/25 19:04	1
n-Butylbenzene	ND		1.00	0.760	ug/L			09/03/25 19:04	1
n-Heptane	ND		1.00	0.210	ug/L			09/03/25 19:04	1
N-Propylbenzene	ND		1.00	0.690	ug/L			09/03/25 19:04	1
o-Xylene	ND		5.00	3.00	ug/L			09/03/25 19:04	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			09/03/25 19:04	1
Styrene	ND		1.00	1.00	ug/L			09/03/25 19:04	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			09/03/25 19:04	1

Client Sample ID: Duplicate-2
Date Collected: 08/27/25 00:00
Date Received: 08/28/25 10:15

Lab Sample ID: 752-36298-9
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			09/03/25 19:04	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			09/03/25 19:04	1
Tetrachloroethene	ND		1.00	0.330	ug/L			09/03/25 19:04	1
Toluene	ND		1.00	0.900	ug/L			09/03/25 19:04	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			09/03/25 19:04	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			09/03/25 19:04	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			09/03/25 19:04	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			09/03/25 19:04	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			09/03/25 19:04	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			09/03/25 19:04	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			09/03/25 19:04	1
Trichloroethene	ND		1.00	0.150	ug/L			09/03/25 19:04	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			09/03/25 19:04	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			09/03/25 19:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			09/03/25 19:04	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			09/03/25 19:04	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			09/03/25 19:04	1
Vinyl acetate	ND		25.0	0.930	ug/L			09/03/25 19:04	1
Vinyl chloride	ND		1.00	0.500	ug/L			09/03/25 19:04	1
Xylenes, Total	ND		10.0	6.00	ug/L			09/03/25 19:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*56 - 136*		*09/03/25 19:04*	*1*
Dibromofluoromethane	*110*		*79 - 130*		*09/03/25 19:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*137*		*59 - 146*		*09/03/25 19:04*	*1*
Toluene-d8 (Surr)	*98*		*64 - 132*		*09/03/25 19:04*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**0.410**		0.297	0.297	ug/L		09/02/25 10:30	09/05/25 17:57	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*29*		*10 - 140*	*09/02/25 10:30*	*09/05/25 17:57*	*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		09/02/25 07:00	09/04/25 17:31	1
2,4,5-Trichlorophenol	ND		10.0	0.542	ug/L		09/02/25 07:00	09/04/25 17:31	1
2,4,6-Trichlorophenol	ND		10.0	1.09	ug/L		09/02/25 07:00	09/04/25 17:31	1
2,4-Dichlorophenol	ND		10.0	0.572	ug/L		09/02/25 07:00	09/04/25 17:31	1
2,4-Dimethylphenol	ND		10.0	0.241	ug/L		09/02/25 07:00	09/04/25 17:31	1
2,4-Dinitrophenol	ND		30.1	4.70	ug/L		09/02/25 07:00	09/04/25 17:31	1
2,4-Dinitrotoluene	ND		10.0	0.652	ug/L		09/02/25 07:00	09/04/25 17:31	1
2,6-Dinitrotoluene	ND		10.0	0.291	ug/L		09/02/25 07:00	09/04/25 17:31	1
2-Chloronaphthalene	ND		10.0	0.381	ug/L		09/02/25 07:00	09/04/25 17:31	1
2-Chlorophenol	ND		10.0	0.843	ug/L		09/02/25 07:00	09/04/25 17:31	1
2-Methylnaphthalene	ND		10.0	0.813	ug/L		09/02/25 07:00	09/04/25 17:31	1
2-Methylphenol	ND		10.0	0.763	ug/L		09/02/25 07:00	09/04/25 17:31	1
2-Nitroaniline	ND		10.0	1.37	ug/L		09/02/25 07:00	09/04/25 17:31	1
2-Nitrophenol	ND		10.0	1.17	ug/L		09/02/25 07:00	09/04/25 17:31	1
3 & 4 Methylphenol	ND		20.1	4.62	ug/L		09/02/25 07:00	09/04/25 17:31	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 752-36298-1

Client Sample ID: Duplicate-2
Date Collected: 08/27/25 00:00
Date Received: 08/28/25 10:15

Lab Sample ID: 752-36298-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	ND		11.0	0.411	ug/L		09/02/25 07:00	09/04/25 17:31	1
3-Nitroaniline	ND		10.0	0.953	ug/L		09/02/25 07:00	09/04/25 17:31	1
4,6-Dinitro-2-methylphenol	ND		10.0	1.98	ug/L		09/02/25 07:00	09/04/25 17:31	1
4-Bromophenyl phenyl ether	ND		10.0	0.130	ug/L		09/02/25 07:00	09/04/25 17:31	1
4-Chloro-3-methylphenol	ND		10.0	0.732	ug/L		09/02/25 07:00	09/04/25 17:31	1
4-Chloroaniline	ND		10.0	0.582	ug/L		09/02/25 07:00	09/04/25 17:31	1
4-Chlorophenyl phenyl ether	ND		10.0	0.241	ug/L		09/02/25 07:00	09/04/25 17:31	1
4-Nitroaniline	ND		10.0	3.51	ug/L		09/02/25 07:00	09/04/25 17:31	1
4-Nitrophenol	ND		10.0	2.75	ug/L		09/02/25 07:00	09/04/25 17:31	1
Acenaphthene	ND		10.0	0.632	ug/L		09/02/25 07:00	09/04/25 17:31	1
Acenaphthylene	ND		10.0	0.763	ug/L		09/02/25 07:00	09/04/25 17:31	1
Acetophenone	ND		10.0	3.21	ug/L		09/02/25 07:00	09/04/25 17:31	1
Anthracene	ND		10.0	0.913	ug/L		09/02/25 07:00	09/04/25 17:31	1
Atrazine	ND		10.0	1.13	ug/L		09/02/25 07:00	09/04/25 17:31	1
Benzaldehyde	ND		10.0	0.672	ug/L		09/02/25 07:00	09/04/25 17:31	1
Benzo[a]anthracene	ND		10.0	1.00	ug/L		09/02/25 07:00	09/04/25 17:31	1
Benzo[a]pyrene	ND		10.0	1.10	ug/L		09/02/25 07:00	09/04/25 17:31	1
Benzo[b]fluoranthene	ND		10.0	1.20	ug/L		09/02/25 07:00	09/04/25 17:31	1
Benzo[g,h,i]perylene	ND		10.0	1.51	ug/L		09/02/25 07:00	09/04/25 17:31	1
Benzo[k]fluoranthene	ND		10.0	1.51	ug/L		09/02/25 07:00	09/04/25 17:31	1
bis (2-chloroisopropyl) ether	ND		10.0	0.933	ug/L		09/02/25 07:00	09/04/25 17:31	1
Bis(2-chloroethoxy)methane	ND		10.0	0.341	ug/L		09/02/25 07:00	09/04/25 17:31	1
Bis(2-chloroethyl)ether	ND		10.0	0.732	ug/L		09/02/25 07:00	09/04/25 17:31	1
Bis(2-ethylhexyl) phthalate	ND		10.0	4.01	ug/L		09/02/25 07:00	09/04/25 17:31	1
Butyl benzyl phthalate	ND		10.0	4.01	ug/L		09/02/25 07:00	09/04/25 17:31	1
Caprolactam	ND		10.0	2.41	ug/L		09/02/25 07:00	09/04/25 17:31	1
Carbazole	ND		10.0	0.321	ug/L		09/02/25 07:00	09/04/25 17:31	1
Chrysene	ND		10.0	1.20	ug/L		09/02/25 07:00	09/04/25 17:31	1
Dibenz(a,h)anthracene	ND		10.0	1.30	ug/L		09/02/25 07:00	09/04/25 17:31	1
Dibenzofuran	ND		10.0	0.642	ug/L		09/02/25 07:00	09/04/25 17:31	1
Diethyl phthalate	ND		10.0	4.01	ug/L		09/02/25 07:00	09/04/25 17:31	1
Dimethyl phthalate	ND		10.0	4.01	ug/L		09/02/25 07:00	09/04/25 17:31	1
Di-n-butyl phthalate	ND		10.0	8.22	ug/L		09/02/25 07:00	09/04/25 17:31	1
Di-n-octyl phthalate	ND		10.0	4.01	ug/L		09/02/25 07:00	09/04/25 17:31	1
Fluoranthene	ND		10.0	0.632	ug/L		09/02/25 07:00	09/04/25 17:31	1
Fluorene	ND		10.0	0.672	ug/L		09/02/25 07:00	09/04/25 17:31	1
Hexachlorobenzene	ND		10.0	0.251	ug/L		09/02/25 07:00	09/04/25 17:31	1
Hexachlorobutadiene	ND		10.0	0.552	ug/L		09/02/25 07:00	09/04/25 17:31	1
Hexachlorocyclopentadiene	ND		20.1	0.321	ug/L		09/02/25 07:00	09/04/25 17:31	1
Hexachloroethane	ND		10.0	0.532	ug/L		09/02/25 07:00	09/04/25 17:31	1
Indeno[1,2,3-cd]pyrene	ND		10.0	1.10	ug/L		09/02/25 07:00	09/04/25 17:31	1
Isophorone	ND		10.0	0.803	ug/L		09/02/25 07:00	09/04/25 17:31	1
Naphthalene	ND		10.0	0.753	ug/L		09/02/25 07:00	09/04/25 17:31	1
Nitrobenzene	ND		10.0	0.602	ug/L		09/02/25 07:00	09/04/25 17:31	1
N-Nitrosodi-n-propylamine	ND		10.0	0.331	ug/L		09/02/25 07:00	09/04/25 17:31	1
N-Nitrosodiphenylamine	ND		10.0	0.191	ug/L		09/02/25 07:00	09/04/25 17:31	1
Pentachlorophenol	ND		10.0	2.81	ug/L		09/02/25 07:00	09/04/25 17:31	1
Phenanthrene	ND		10.0	0.742	ug/L		09/02/25 07:00	09/04/25 17:31	1
Phenol	ND		10.0	0.682	ug/L		09/02/25 07:00	09/04/25 17:31	1

Client Sample ID: Duplicate-2

Lab Sample ID: 752-36298-9

Date Collected: 08/27/25 00:00

Matrix: Water

Date Received: 08/28/25 10:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	ND		10.0	0.632	ug/L		09/02/25 07:00	09/04/25 17:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*72*		*10 - 150*	*09/02/25 07:00*	*09/04/25 17:31*	*1*
2-Fluorobiphenyl (Surr)	*67*		*25 - 139*	*09/02/25 07:00*	*09/04/25 17:31*	*1*
2-Fluorophenol (Surr)	*73*		*10 - 150*	*09/02/25 07:00*	*09/04/25 17:31*	*1*
Nitrobenzene-d5 (Surr)	*66*		*22 - 150*	*09/02/25 07:00*	*09/04/25 17:31*	*1*
Phenol-d5 (Surr)	*67*		*10 - 150*	*09/02/25 07:00*	*09/04/25 17:31*	*1*
Terphenyl-d14 (Surr)	*46*		*28 - 150*	*09/02/25 07:00*	*09/04/25 17:31*	*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		09/02/25 16:40	09/06/25 03:16	1
Arsenic	ND		5.00	1.32	ug/L		09/02/25 16:40	09/06/25 03:16	1
Barium	**177**		10.0	0.410	ug/L		09/02/25 16:40	09/06/25 03:16	1
Beryllium	ND		1.00	0.147	ug/L		09/02/25 16:40	09/06/25 03:16	1
Cadmium	ND		0.700	0.237	ug/L		09/02/25 16:40	09/06/25 03:16	1
Chromium	ND		5.00	3.69	ug/L		09/02/25 16:40	09/06/25 03:16	1
Cobalt	ND		5.00	0.411	ug/L		09/02/25 16:40	09/06/25 03:16	1
Copper	**3.45**		2.00	0.642	ug/L		09/02/25 16:40	09/06/25 03:16	1
Lead	ND		1.00	0.864	ug/L		09/02/25 16:40	09/06/25 03:16	1
Manganese	**12.3**		5.00	1.29	ug/L		09/02/25 16:40	09/06/25 03:16	1
Nickel	**0.658**	**J**	5.00	0.422	ug/L		09/02/25 16:40	09/06/25 03:16	1
Selenium	ND		5.00	2.29	ug/L		09/02/25 16:40	09/06/25 03:16	1
Silver	ND		1.00	0.167	ug/L		09/02/25 16:40	09/06/25 03:16	1
Thallium	ND		1.00	0.190	ug/L		09/02/25 16:40	09/06/25 03:16	1
Vanadium	**3.44**	**J**	5.00	1.22	ug/L		09/02/25 16:40	09/06/25 03:16	1
Zinc	ND		10.0	8.91	ug/L		09/02/25 16:40	09/06/25 03:16	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		09/10/25 14:39	09/10/25 22:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (EPA 350.1)	ND		0.0500	0.0200	mg/L			09/03/25 12:55	1
Nitrate as N (SM Nitrate by calc)	**1.05**		0.100	0.0250	mg/L			09/02/25 16:20	1
Sulfate (SM 4500 SO4 E)	**35.3**		5.00	1.40	mg/L			09/07/25 11:45	1

Client Sample ID: Trip Blank

Lab Sample ID: 752-36298-10

Date Collected: 08/27/25 00:00

Matrix: Water

Date Received: 08/28/25 10:15

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			09/03/25 19:24	1
Benzene	ND		1.00	0.500	ug/L			09/03/25 19:24	1
Bromobenzene	ND		1.00	0.540	ug/L			09/03/25 19:24	1
Bromoform	ND		5.00	0.250	ug/L			09/03/25 19:24	1
Bromomethane	ND	*+	1.00	0.980	ug/L			09/03/25 19:24	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			09/03/25 19:24	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 752-36298-1

Client Sample ID: Trip Blank
Date Collected: 08/27/25 00:00
Date Received: 08/28/25 10:15

Lab Sample ID: 752-36298-10
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		1.00	0.500	ug/L			09/03/25 19:24	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			09/03/25 19:24	1
Chlorobenzene	ND		1.00	0.420	ug/L			09/03/25 19:24	1
Chlorobromomethane	ND		1.00	0.520	ug/L			09/03/25 19:24	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			09/03/25 19:24	1
Chloroethane	ND		1.00	0.760	ug/L			09/03/25 19:24	1
Chloroform	ND		1.00	0.900	ug/L			09/03/25 19:24	1
Chloromethane	ND		1.00	0.400	ug/L			09/03/25 19:24	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			09/03/25 19:24	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			09/03/25 19:24	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			09/03/25 19:24	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			09/03/25 19:24	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			09/03/25 19:24	1
Dibromomethane	ND		5.00	0.220	ug/L			09/03/25 19:24	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			09/03/25 19:24	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			09/03/25 19:24	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			09/03/25 19:24	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			09/03/25 19:24	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			09/03/25 19:24	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			09/03/25 19:24	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			09/03/25 19:24	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 19:24	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 19:24	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 19:24	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			09/03/25 19:24	1
Ethyl acetate	ND		10.0	6.14	ug/L			09/03/25 19:24	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/03/25 19:24	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			09/03/25 19:24	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			09/03/25 19:24	1
Hexane	ND		1.00	0.960	ug/L			09/03/25 19:24	1
2-Hexanone	ND		25.0	4.26	ug/L			09/03/25 19:24	1
Iodomethane	ND		1.00	0.900	ug/L			09/03/25 19:24	1
Isopropylbenzene	ND		1.00	0.530	ug/L			09/03/25 19:24	1
Isopropyl ether	ND		1.00	0.740	ug/L			09/03/25 19:24	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			09/03/25 19:24	1
Methylene Chloride	ND		5.00	3.00	ug/L			09/03/25 19:24	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			09/03/25 19:24	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			09/03/25 19:24	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			09/03/25 19:24	1
Naphthalene	ND		5.00	3.00	ug/L			09/03/25 19:24	1
n-Butylbenzene	ND		1.00	0.760	ug/L			09/03/25 19:24	1
n-Heptane	ND		1.00	0.210	ug/L			09/03/25 19:24	1
N-Propylbenzene	ND		1.00	0.690	ug/L			09/03/25 19:24	1
o-Xylene	ND		5.00	3.00	ug/L			09/03/25 19:24	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			09/03/25 19:24	1
Styrene	ND		1.00	1.00	ug/L			09/03/25 19:24	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			09/03/25 19:24	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			09/03/25 19:24	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			09/03/25 19:24	1

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 752-36298-1

Client Sample ID: Trip Blank
Date Collected: 08/27/25 00:00
Date Received: 08/28/25 10:15

Lab Sample ID: 752-36298-10
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		1.00	0.330	ug/L			09/03/25 19:24	1
Toluene	ND		1.00	0.900	ug/L			09/03/25 19:24	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			09/03/25 19:24	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			09/03/25 19:24	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			09/03/25 19:24	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			09/03/25 19:24	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			09/03/25 19:24	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			09/03/25 19:24	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			09/03/25 19:24	1
Trichloroethene	ND		1.00	0.150	ug/L			09/03/25 19:24	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			09/03/25 19:24	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			09/03/25 19:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			09/03/25 19:24	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			09/03/25 19:24	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			09/03/25 19:24	1
Vinyl acetate	ND		25.0	0.930	ug/L			09/03/25 19:24	1
Vinyl chloride	ND		1.00	0.500	ug/L			09/03/25 19:24	1
Xylenes, Total	ND		10.0	6.00	ug/L			09/03/25 19:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*56 - 136*		*09/03/25 19:24*	*1*
Dibromofluoromethane	*112*		*79 - 130*		*09/03/25 19:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*137*		*59 - 146*		*09/03/25 19:24*	*1*
Toluene-d8 (Surr)	*104*		*64 - 132*		*09/03/25 19:24*	*1*

Surrogate Summary

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 752-36298-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(56-136)	(79-130)	(59-146)	(64-132)
752-36298-1	A-MW-6	101	110	140	103
752-36298-2	A-MW-7	104	110	137	99
752-36298-2	A-MW-7	103	96	104	104
752-36298-2 MS	A-MW-7	102	105	133	100
752-36298-2 MSD	A-MW-7	105	104	129	99
752-36298-3	A-MW-8	102	108	139	100
752-36298-4	A-MW-9	99	112	137	99
752-36298-4	A-MW-9	103	96	106	103
752-36298-5	MW-1	100	112	136	100
752-36298-6	MW-2	97	112	140	100
752-36298-6	MW-2	102	87	104	103
752-36298-7	MW-4	104	113	138	99
752-36298-8	MW-5	103	110	137	102
752-36298-9	Duplicate-2	102	110	137	98
752-36298-10	Trip Blank	102	112	137	104
LCS 400-721785/1002	Lab Control Sample	104	104	140	100
LCS 400-721866/1002	Lab Control Sample	97	93	98	103
MB 400-721785/31	Method Blank	102	107	137	101
MB 400-721866/5	Method Blank	101	99	105	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)
752-36298-1	A-MW-6	81	69	84	74	81	49
752-36298-2	A-MW-7	82	75	73	81	65	45
752-36298-3	A-MW-8	70	62	76	67	72	42
752-36298-4	A-MW-9	75	68	83	69	82	47
752-36298-5	MW-1	83	75	83	80	76	56
752-36298-6	MW-2	74	66	77	69	72	51
752-36298-7	MW-4	81	73	83	75	76	51
752-36298-8	MW-5	78	74	78	73	72	54
752-36298-9	Duplicate-2	72	67	73	66	67	46
LCS 400-721630/2-A	Lab Control Sample	84	70	96	74	104	73
LCSD 400-721630/3-A	Lab Control Sample Dup	80	72	89	77	97	73
MB 400-721630/1-A	Method Blank	75	70	68	73	60	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)

Surrogate Summary

Client: S&ME Inc
Job ID: 752-36298-1
Project/Site: Lyon Park

TPHL = Terphenyl-d14 (Surr)

Isotope Dilution Summary

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 752-36298-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)						
		DXE						
Lab Sample ID	Client Sample ID	(10-140)						
752-36298-1	A-MW-6	26						
752-36298-2	A-MW-7	21						
752-36298-3	A-MW-8	30						
752-36298-4	A-MW-9	34						
752-36298-5	MW-1	32						
752-36298-6	MW-2	27						
752-36298-7	MW-4	30						
752-36298-8	MW-5	21						
752-36298-9	Duplicate-2	29						
LCS 400-721613/2-A	Lab Control Sample	116						
LCSD 400-721613/3-A	Lab Control Sample Dup	120						
MB 400-721613/1-A	Method Blank	117						

Surrogate Legend

DXE = 1,4-Dioxane-d8

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

Lab Sample ID: MB 400-721785/31
Matrix: Water
Analysis Batch: 721785

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			09/03/25 14:34	1
Benzene	ND		1.00	0.500	ug/L			09/03/25 14:34	1
Bromobenzene	ND		1.00	0.540	ug/L			09/03/25 14:34	1
Bromoform	ND		5.00	0.250	ug/L			09/03/25 14:34	1
Bromomethane	ND		1.00	0.980	ug/L			09/03/25 14:34	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			09/03/25 14:34	1
Carbon disulfide	ND		1.00	0.500	ug/L			09/03/25 14:34	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			09/03/25 14:34	1
Chlorobenzene	ND		1.00	0.420	ug/L			09/03/25 14:34	1
Chlorobromomethane	ND		1.00	0.520	ug/L			09/03/25 14:34	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			09/03/25 14:34	1
Chloroethane	ND		1.00	0.760	ug/L			09/03/25 14:34	1
Chloroform	ND		1.00	0.900	ug/L			09/03/25 14:34	1
Chloromethane	ND		1.00	0.400	ug/L			09/03/25 14:34	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			09/03/25 14:34	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			09/03/25 14:34	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			09/03/25 14:34	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			09/03/25 14:34	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			09/03/25 14:34	1
Dibromomethane	ND		5.00	0.220	ug/L			09/03/25 14:34	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			09/03/25 14:34	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			09/03/25 14:34	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			09/03/25 14:34	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			09/03/25 14:34	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			09/03/25 14:34	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			09/03/25 14:34	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			09/03/25 14:34	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 14:34	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 14:34	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			09/03/25 14:34	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			09/03/25 14:34	1
Ethyl acetate	ND		10.0	6.14	ug/L			09/03/25 14:34	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/03/25 14:34	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			09/03/25 14:34	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			09/03/25 14:34	1
Hexane	ND		1.00	0.960	ug/L			09/03/25 14:34	1
2-Hexanone	ND		25.0	4.26	ug/L			09/03/25 14:34	1
Iodomethane	ND		1.00	0.900	ug/L			09/03/25 14:34	1
Isopropylbenzene	ND		1.00	0.530	ug/L			09/03/25 14:34	1
Isopropyl ether	ND		1.00	0.740	ug/L			09/03/25 14:34	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			09/03/25 14:34	1
Methylene Chloride	ND		5.00	3.00	ug/L			09/03/25 14:34	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			09/03/25 14:34	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			09/03/25 14:34	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			09/03/25 14:34	1
Naphthalene	ND		5.00	3.00	ug/L			09/03/25 14:34	1
n-Butylbenzene	ND		1.00	0.760	ug/L			09/03/25 14:34	1
n-Heptane	ND		1.00	0.210	ug/L			09/03/25 14:34	1

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

Lab Sample ID: MB 400-721785/31
Matrix: Water
Analysis Batch: 721785

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			09/03/25 14:34	1
o-Xylene	ND		5.00	3.00	ug/L			09/03/25 14:34	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			09/03/25 14:34	1
Styrene	ND		1.00	1.00	ug/L			09/03/25 14:34	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			09/03/25 14:34	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			09/03/25 14:34	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			09/03/25 14:34	1
Tetrachloroethene	ND		1.00	0.330	ug/L			09/03/25 14:34	1
Toluene	ND		1.00	0.900	ug/L			09/03/25 14:34	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			09/03/25 14:34	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			09/03/25 14:34	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			09/03/25 14:34	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			09/03/25 14:34	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			09/03/25 14:34	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			09/03/25 14:34	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			09/03/25 14:34	1
Trichloroethene	ND		1.00	0.150	ug/L			09/03/25 14:34	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			09/03/25 14:34	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			09/03/25 14:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			09/03/25 14:34	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			09/03/25 14:34	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			09/03/25 14:34	1
Vinyl acetate	ND		25.0	0.930	ug/L			09/03/25 14:34	1
Vinyl chloride	ND		1.00	0.500	ug/L			09/03/25 14:34	1
Xylenes, Total	ND		10.0	6.00	ug/L			09/03/25 14:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*56 - 136*		*09/03/25 14:34*	*1*
Dibromofluoromethane	*107*		*79 - 130*		*09/03/25 14:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*137*		*59 - 146*		*09/03/25 14:34*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*09/03/25 14:34*	*1*

Lab Sample ID: LCS 400-721785/1002
Matrix: Water
Analysis Batch: 721785

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	244.8		ug/L		122	43 - 150
Benzene	50.0	46.11		ug/L		92	70 - 130
Bromobenzene	50.0	44.65		ug/L		89	70 - 132
Bromoform	50.0	48.69		ug/L		97	57 - 140
Bromomethane	20.0	45.69	*+	ug/L		228	10 - 150
2-Butanone (MEK)	200	195.3		ug/L		98	61 - 145
Carbon disulfide	50.0	43.05		ug/L		86	61 - 137
Carbon tetrachloride	50.0	49.88		ug/L		100	61 - 137
Chlorobenzene	50.0	44.25		ug/L		89	70 - 130
Chlorobromomethane	50.0	46.53		ug/L		93	70 - 130
Chlorodibromomethane	50.0	52.89		ug/L		106	67 - 135

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

Lab Sample ID: LCS 400-721785/1002
Matrix: Water
Analysis Batch: 721785

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroethane	20.0	27.07		ug/L		135	55 - 141
Chloroform	50.0	50.14		ug/L		100	69 - 130
Chloromethane	20.0	24.81		ug/L		124	58 - 137
2-Chlorotoluene	50.0	44.61		ug/L		89	70 - 130
4-Chlorotoluene	50.0	44.25		ug/L		88	70 - 130
cis-1,2-Dichloroethene	50.0	52.09		ug/L		104	68 - 130
cis-1,3-Dichloropropene	50.0	51.13		ug/L		102	69 - 132
1,2-Dibromo-3-Chloropropane	50.0	41.37		ug/L		83	54 - 135
Dibromomethane	50.0	52.42		ug/L		105	70 - 130
1,2-Dichlorobenzene	50.0	43.11		ug/L		86	67 - 130
1,3-Dichlorobenzene	50.0	42.76		ug/L		86	70 - 130
1,4-Dichlorobenzene	50.0	41.75		ug/L		83	70 - 130
Dichlorobromomethane	50.0	52.91		ug/L		106	67 - 133
1,1-Dichloroethane	50.0	47.88		ug/L		96	70 - 130
1,2-Dichloroethane	50.0	60.91		ug/L		122	69 - 130
1,1-Dichloroethene	50.0	43.99		ug/L		88	63 - 134
1,2-Dichloropropane	50.0	51.76		ug/L		104	70 - 130
1,3-Dichloropropane	50.0	52.58		ug/L		105	70 - 130
2,2-Dichloropropane	50.0	54.84		ug/L		110	52 - 135
1,1-Dichloropropene	50.0	45.85		ug/L		92	70 - 130
Ethyl acetate	100	91.72		ug/L		92	34 - 150
Ethylbenzene	50.0	44.34		ug/L		89	70 - 130
Ethylene Dibromide	50.0	51.69		ug/L		103	70 - 130
Hexachlorobutadiene	50.0	39.39		ug/L		79	53 - 140
Hexane	50.0	43.71		ug/L		87	69 - 130
2-Hexanone	200	229.8		ug/L		115	65 - 137
Iodomethane	50.0	27.58		ug/L		55	27 - 150
Isopropylbenzene	50.0	42.72		ug/L		85	70 - 130
Isopropyl ether	50.0	57.98		ug/L		116	64 - 132
4-Isopropyltoluene	50.0	41.52		ug/L		83	65 - 130
Methylene Chloride	50.0	45.46		ug/L		91	66 - 135
4-Methyl-2-pentanone (MIBK)	200	229.9		ug/L		115	69 - 138
Methyl tert-butyl ether	50.0	55.88		ug/L		112	66 - 130
m-Xylene & p-Xylene	50.0	44.21		ug/L		88	70 - 130
Naphthalene	50.0	44.22		ug/L		88	47 - 149
n-Butylbenzene	50.0	45.19		ug/L		90	67 - 130
n-Heptane	50.0	47.49		ug/L		95	70 - 130
N-Propylbenzene	50.0	41.67		ug/L		83	70 - 130
o-Xylene	50.0	45.19		ug/L		90	70 - 130
sec-Butylbenzene	50.0	41.85		ug/L		84	66 - 130
Styrene	50.0	44.19		ug/L		88	70 - 130
tert-Butylbenzene	50.0	45.28		ug/L		91	64 - 139
1,1,1,2-Tetrachloroethane	50.0	49.11		ug/L		98	67 - 131
1,1,2,2-Tetrachloroethane	50.0	49.13		ug/L		98	70 - 131
Tetrachloroethene	50.0	39.22		ug/L		78	65 - 130
Toluene	50.0	43.51		ug/L		87	70 - 130
trans-1,4-Dichloro-2-butene	50.0	51.23		ug/L		102	57 - 140
trans-1,2-Dichloroethene	50.0	43.44		ug/L		87	70 - 130
trans-1,3-Dichloropropene	50.0	54.15		ug/L		108	63 - 130

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

Lab Sample ID: LCS 400-721785/1002
Matrix: Water
Analysis Batch: 721785

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	44.70		ug/L		89	60 - 138
1,2,4-Trichlorobenzene	50.0	43.96		ug/L		88	60 - 140
1,1,1-Trichloroethane	50.0	49.16		ug/L		98	68 - 130
1,1,2-Trichloroethane	50.0	52.86		ug/L		106	70 - 130
Trichloroethene	50.0	42.76		ug/L		86	70 - 130
Trichlorofluoromethane	20.0	26.97		ug/L		135	65 - 138
1,2,3-Trichloropropane	50.0	45.75		ug/L		92	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	44.43		ug/L		89	60 - 139
1,2,4-Trimethylbenzene	50.0	43.08		ug/L		86	70 - 130
1,3,5-Trimethylbenzene	50.0	42.62		ug/L		85	69 - 130
Vinyl acetate	40.0	56.04		ug/L		140	26 - 150
Vinyl chloride	20.0	23.61		ug/L		118	59 - 136
Xylenes, Total	100	89.40		ug/L		89	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*104*		*56 - 136*
Dibromofluoromethane	*104*		*79 - 130*
1,2-Dichloroethane-d4 (Surr)	*140*		*59 - 146*
Toluene-d8 (Surr)	*100*		*64 - 132*

Lab Sample ID: 752-36298-2 MS
Matrix: Water
Analysis Batch: 721785

Client Sample ID: A-MW-7
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND		200	122.3		ug/L		61	43 - 150
Benzene	ND		50.0	48.09		ug/L		96	56 - 142
Bromobenzene	ND		50.0	42.30		ug/L		85	59 - 136
Bromoform	ND		50.0	50.29		ug/L		101	50 - 140
Bromomethane	ND	*+	50.0	42.59		ug/L		85	10 - 150
2-Butanone (MEK)	ND		200	143.4		ug/L		72	55 - 150
Carbon disulfide	ND		50.0	43.30		ug/L		87	48 - 150
Carbon tetrachloride	ND		50.0	51.65		ug/L		103	55 - 145
Chlorobenzene	ND		50.0	44.26		ug/L		89	64 - 130
Chlorobromomethane	ND		50.0	47.37		ug/L		95	64 - 140
Chlorodibromomethane	ND		50.0	51.62		ug/L		103	56 - 143
Chloroethane	ND	F1 F2	50.0	29.09		ug/L		58	50 - 150
Chloroform	ND		50.0	51.57		ug/L		103	60 - 141
Chloromethane	1.51	F1	50.0	25.14	F1	ug/L		47	49 - 148
2-Chlorotoluene	ND		50.0	44.67		ug/L		89	53 - 134
4-Chlorotoluene	ND		50.0	43.07		ug/L		86	54 - 133
cis-1,2-Dichloroethene	ND		50.0	52.04		ug/L		104	59 - 143
cis-1,3-Dichloropropene	ND		50.0	50.23		ug/L		100	57 - 140
1,2-Dibromo-3-Chloropropane	ND		50.0	48.10		ug/L		96	45 - 135
Dibromomethane	ND		50.0	55.90		ug/L		112	63 - 138
1,2-Dichlorobenzene	ND		50.0	43.16		ug/L		86	52 - 137
1,3-Dichlorobenzene	ND		50.0	41.38		ug/L		83	54 - 135
1,4-Dichlorobenzene	ND		50.0	40.94		ug/L		82	53 - 135

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

Lab Sample ID: 752-36298-2 MS
Matrix: Water
Analysis Batch: 721785

Client Sample ID: A-MW-7
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorobromomethane	ND		50.0	52.77		ug/L		106	59 - 143
1,1-Dichloroethane	ND		50.0	50.64		ug/L		101	61 - 144
1,2-Dichloroethane	ND		50.0	62.27		ug/L		125	60 - 141
1,1-Dichloroethene	ND		50.0	44.79		ug/L		90	54 - 147
1,2-Dichloropropane	ND		50.0	52.39		ug/L		105	66 - 137
1,3-Dichloropropane	ND		50.0	53.26		ug/L		107	66 - 133
2,2-Dichloropropane	ND		50.0	56.17		ug/L		112	42 - 144
1,1-Dichloropropene	ND		50.0	47.58		ug/L		95	65 - 136
Ethyl acetate	ND		100	108.2		ug/L		108	34 - 150
Ethylbenzene	ND		50.0	44.59		ug/L		89	58 - 131
Ethylene Dibromide	ND		50.0	52.31		ug/L		105	64 - 132
Hexachlorobutadiene	ND		50.0	39.98		ug/L		80	31 - 149
Hexane	ND		50.0	46.21		ug/L		92	60 - 142
2-Hexanone	ND		200	194.5		ug/L		97	65 - 140
Iodomethane	ND		50.0	33.51		ug/L		67	20 - 150
Isopropylbenzene	ND		50.0	43.08		ug/L		86	56 - 133
Isopropyl ether	ND		50.0	60.30		ug/L		121	60 - 144
4-Isopropyltoluene	ND		50.0	41.06		ug/L		82	48 - 139
Methylene Chloride	ND		50.0	45.54		ug/L		91	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	260.4		ug/L		130	63 - 146
Methyl tert-butyl ether	ND		50.0	57.05		ug/L		114	59 - 137
m-Xylene & p-Xylene	ND		50.0	44.55		ug/L		89	57 - 130
Naphthalene	ND		50.0	48.18		ug/L		96	25 - 150
n-Butylbenzene	ND		50.0	45.17		ug/L		90	41 - 142
n-Heptane	ND		50.0	49.95		ug/L		100	64 - 142
N-Propylbenzene	ND		50.0	40.46		ug/L		81	51 - 138
o-Xylene	ND		50.0	45.30		ug/L		91	61 - 130
sec-Butylbenzene	ND		50.0	41.66		ug/L		83	50 - 138
Styrene	ND		50.0	43.61		ug/L		87	58 - 131
tert-Butylbenzene	ND		50.0	45.53		ug/L		91	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	48.95		ug/L		98	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	52.81		ug/L		106	66 - 135
Tetrachloroethene	ND		50.0	38.74		ug/L		77	52 - 133
Toluene	ND		50.0	43.60		ug/L		87	65 - 130
trans-1,4-Dichloro-2-butene	ND		50.0	55.87		ug/L		112	43 - 147
trans-1,2-Dichloroethene	ND		50.0	44.34		ug/L		89	61 - 143
trans-1,3-Dichloropropene	ND		50.0	53.70		ug/L		107	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	45.11		ug/L		90	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	43.01		ug/L		86	39 - 148
1,1,1-Trichloroethane	ND		50.0	50.50		ug/L		101	57 - 142
1,1,2-Trichloroethane	ND		50.0	54.61		ug/L		109	66 - 131
Trichloroethene	ND		50.0	43.45		ug/L		87	64 - 136
Trichlorofluoromethane	ND		50.0	27.59		ug/L		55	54 - 150
1,2,3-Trichloropropane	ND		50.0	49.38		ug/L		99	65 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50.0	43.68		ug/L		87	55 - 150
1,2,4-Trimethylbenzene	ND		50.0	42.83		ug/L		86	50 - 139
1,3,5-Trimethylbenzene	ND		50.0	41.84		ug/L		84	52 - 135
Vinyl acetate	ND		100	57.53		ug/L		58	26 - 150

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

Lab Sample ID: 752-36298-2 MS
Matrix: Water
Analysis Batch: 721785

Client Sample ID: A-MW-7
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl chloride	ND		50.0	26.06		ug/L		52	46 - 150
Xylenes, Total	ND		100	89.86		ug/L		90	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*56 - 136*
Dibromofluoromethane	*105*		*79 - 130*
1,2-Dichloroethane-d4 (Surr)	*133*		*59 - 146*
Toluene-d8 (Surr)	*100*		*64 - 132*

Lab Sample ID: 752-36298-2 MSD
Matrix: Water
Analysis Batch: 721785

Client Sample ID: A-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
Acetone	ND		200	123.8		ug/L		62	43 - 150	1	30
Benzene	ND		50.0	45.93		ug/L		92	56 - 142	5	30
Bromobenzene	ND		50.0	40.01		ug/L		80	59 - 136	6	30
Bromoform	ND		50.0	51.09		ug/L		102	50 - 140	2	30
Bromomethane	ND	*+	50.0	36.34		ug/L		73	10 - 150	16	50
2-Butanone (MEK)	ND		200	146.7		ug/L		73	55 - 150	2	30
Carbon disulfide	ND		50.0	42.35		ug/L		85	48 - 150	2	30
Carbon tetrachloride	ND		50.0	50.45		ug/L		101	55 - 145	2	30
Chlorobenzene	ND		50.0	40.34		ug/L		81	64 - 130	9	30
Chlorobromomethane	ND		50.0	46.59		ug/L		93	64 - 140	2	30
Chlorodibromomethane	ND		50.0	52.02		ug/L		104	56 - 143	1	30
Chloroethane	ND	F1 F2	50.0	20.27	F1 F2	ug/L		41	50 - 150	36	30
Chloroform	ND		50.0	51.36		ug/L		103	60 - 141	0	30
Chloromethane	1.51	F1	50.0	28.08		ug/L		53	49 - 148	11	31
2-Chlorotoluene	ND		50.0	39.94		ug/L		80	53 - 134	11	30
4-Chlorotoluene	ND		50.0	37.42		ug/L		75	54 - 133	14	30
cis-1,2-Dichloroethene	ND		50.0	52.25		ug/L		104	59 - 143	0	30
cis-1,3-Dichloropropene	ND		50.0	50.73		ug/L		101	57 - 140	1	30
1,2-Dibromo-3-Chloropropane	ND		50.0	48.26		ug/L		97	45 - 135	0	30
Dibromomethane	ND		50.0	55.22		ug/L		110	63 - 138	1	30
1,2-Dichlorobenzene	ND		50.0	38.75		ug/L		78	52 - 137	11	30
1,3-Dichlorobenzene	ND		50.0	36.60		ug/L		73	54 - 135	12	30
1,4-Dichlorobenzene	ND		50.0	36.24		ug/L		72	53 - 135	12	30
Dichlorobromomethane	ND		50.0	52.29		ug/L		105	59 - 143	1	30
1,1-Dichloroethane	ND		50.0	50.45		ug/L		101	61 - 144	0	30
1,2-Dichloroethane	ND		50.0	61.99		ug/L		124	60 - 141	0	30
1,1-Dichloroethene	ND		50.0	43.85		ug/L		88	54 - 147	2	30
1,2-Dichloropropane	ND		50.0	52.58		ug/L		105	66 - 137	0	30
1,3-Dichloropropane	ND		50.0	53.51		ug/L		107	66 - 133	0	30
2,2-Dichloropropane	ND		50.0	56.09		ug/L		112	42 - 144	0	31
1,1-Dichloropropene	ND		50.0	45.73		ug/L		91	65 - 136	4	30
Ethyl acetate	ND		100	107.0		ug/L		107	34 - 150	1	30
Ethylbenzene	ND		50.0	39.19		ug/L		78	58 - 131	13	30
Ethylene Dibromide	ND		50.0	53.15		ug/L		106	64 - 132	2	30

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

Lab Sample ID: 752-36298-2 MSD
Matrix: Water
Analysis Batch: 721785

Client Sample ID: A-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
Hexachlorobutadiene	ND		50.0	28.80		ug/L		58	31 - 149	33	36
Hexane	ND		50.0	44.54		ug/L		89	60 - 142	4	30
2-Hexanone	ND		200	199.8		ug/L		100	65 - 140	3	30
Iodomethane	ND		50.0	38.71		ug/L		77	20 - 150	14	44
Isopropylbenzene	ND		50.0	36.36		ug/L		73	56 - 133	17	30
Isopropyl ether	ND		50.0	64.57		ug/L		129	60 - 144	7	30
4-Isopropyltoluene	ND		50.0	32.75		ug/L		66	48 - 139	23	30
Methylene Chloride	ND		50.0	45.79		ug/L		92	60 - 146	1	32
4-Methyl-2-pentanone (MIBK)	ND		200	260.3		ug/L		130	63 - 146	0	30
Methyl tert-butyl ether	ND		50.0	58.10		ug/L		116	59 - 137	2	30
m-Xylene & p-Xylene	ND		50.0	38.79		ug/L		78	57 - 130	14	30
Naphthalene	ND		50.0	46.89		ug/L		94	25 - 150	3	30
n-Butylbenzene	ND		50.0	35.81		ug/L		72	41 - 142	23	31
n-Heptane	ND		50.0	48.17		ug/L		96	64 - 142	4	30
N-Propylbenzene	ND		50.0	33.20		ug/L		66	51 - 138	20	30
o-Xylene	ND		50.0	40.03		ug/L		80	61 - 130	12	30
sec-Butylbenzene	ND		50.0	33.62		ug/L		67	50 - 138	21	30
Styrene	ND		50.0	39.61		ug/L		79	58 - 131	10	30
tert-Butylbenzene	ND		50.0	38.60		ug/L		77	54 - 146	16	30
1,1,1,2-Tetrachloroethane	ND		50.0	46.44		ug/L		93	59 - 137	5	30
1,1,2,2-Tetrachloroethane	ND		50.0	54.37		ug/L		109	66 - 135	3	30
Tetrachloroethene	ND		50.0	35.47		ug/L		71	52 - 133	9	30
Toluene	ND		50.0	41.19		ug/L		82	65 - 130	6	30
trans-1,4-Dichloro-2-butene	ND		50.0	55.45		ug/L		111	43 - 147	1	36
trans-1,2-Dichloroethene	ND		50.0	44.07		ug/L		88	61 - 143	1	30
trans-1,3-Dichloropropene	ND		50.0	53.36		ug/L		107	53 - 133	1	30
1,2,3-Trichlorobenzene	ND		50.0	41.10		ug/L		82	43 - 145	9	30
1,2,4-Trichlorobenzene	ND		50.0	37.48		ug/L		75	39 - 148	14	30
1,1,1-Trichloroethane	ND		50.0	49.87		ug/L		100	57 - 142	1	30
1,1,2-Trichloroethane	ND		50.0	55.63		ug/L		111	66 - 131	2	30
Trichloroethene	ND		50.0	41.28		ug/L		83	64 - 136	5	30
Trichlorofluoromethane	ND		50.0	29.33		ug/L		59	54 - 150	6	30
1,2,3-Trichloropropane	ND		50.0	51.33		ug/L		103	65 - 133	4	30
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50.0	46.30		ug/L		93	55 - 150	6	30
1,2,4-Trimethylbenzene	ND		50.0	36.31		ug/L		73	50 - 139	16	30
1,3,5-Trimethylbenzene	ND		50.0	35.11		ug/L		70	52 - 135	17	30
Vinyl acetate	ND		100	58.84		ug/L		59	26 - 150	2	33
Vinyl chloride	ND		50.0	26.85		ug/L		54	46 - 150	3	30
Xylenes, Total	ND		100	78.82		ug/L		79	59 - 130	13	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*105*		*56 - 136*
Dibromofluoromethane	*104*		*79 - 130*
1,2-Dichloroethane-d4 (Surr)	*129*		*59 - 146*
Toluene-d8 (Surr)	*99*		*64 - 132*

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

Lab Sample ID: MB 400-721866/5
Matrix: Water
Analysis Batch: 721866

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.00	0.400	ug/L			09/04/25 10:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*56 - 136*		*09/04/25 10:04*	*1*
Dibromofluoromethane	*99*		*79 - 130*		*09/04/25 10:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*59 - 146*		*09/04/25 10:04*	*1*
Toluene-d8 (Surr)	*103*		*64 - 132*		*09/04/25 10:04*	*1*

Lab Sample ID: LCS 400-721866/1002
Matrix: Water
Analysis Batch: 721866

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloromethane			50.0	40.78		ug/L		82	58 - 137		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*97*		*56 - 136*
Dibromofluoromethane	*93*		*79 - 130*
1,2-Dichloroethane-d4 (Surr)	*98*		*59 - 146*
Toluene-d8 (Surr)	*103*		*64 - 132*

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

Lab Sample ID: MB 400-721630/1-A
Matrix: Water
Analysis Batch: 721622

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 721630

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		10.0	0.420	ug/L		09/02/25 07:00	09/03/25 14:36	1
2,4,5-Trichlorophenol	ND		10.0	0.540	ug/L		09/02/25 07:00	09/03/25 14:36	1
2,4,6-Trichlorophenol	ND		10.0	1.09	ug/L		09/02/25 07:00	09/03/25 14:36	1
2,4-Dichlorophenol	ND		10.0	0.570	ug/L		09/02/25 07:00	09/03/25 14:36	1
2,4-Dimethylphenol	ND		10.0	0.240	ug/L		09/02/25 07:00	09/03/25 14:36	1
2,4-Dinitrophenol	ND		30.0	4.68	ug/L		09/02/25 07:00	09/03/25 14:36	1
2,4-Dinitrotoluene	ND		10.0	0.650	ug/L		09/02/25 07:00	09/03/25 14:36	1
2,6-Dinitrotoluene	ND		10.0	0.290	ug/L		09/02/25 07:00	09/03/25 14:36	1
2-Chloronaphthalene	ND		10.0	0.380	ug/L		09/02/25 07:00	09/03/25 14:36	1
2-Chlorophenol	ND		10.0	0.840	ug/L		09/02/25 07:00	09/03/25 14:36	1
2-Methylnaphthalene	ND		10.0	0.810	ug/L		09/02/25 07:00	09/03/25 14:36	1
2-Methylphenol	ND		10.0	0.760	ug/L		09/02/25 07:00	09/03/25 14:36	1
2-Nitroaniline	ND		10.0	1.37	ug/L		09/02/25 07:00	09/03/25 14:36	1
2-Nitrophenol	ND		10.0	1.17	ug/L		09/02/25 07:00	09/03/25 14:36	1
3 & 4 Methylphenol	ND		20.0	4.60	ug/L		09/02/25 07:00	09/03/25 14:36	1
3,3'-Dichlorobenzidine	ND		11.0	0.410	ug/L		09/02/25 07:00	09/03/25 14:36	1
3-Nitroaniline	ND		10.0	0.950	ug/L		09/02/25 07:00	09/03/25 14:36	1
4,6-Dinitro-2-methylphenol	ND		10.0	1.97	ug/L		09/02/25 07:00	09/03/25 14:36	1
4-Bromophenyl phenyl ether	ND		10.0	0.130	ug/L		09/02/25 07:00	09/03/25 14:36	1
4-Chloro-3-methylphenol	ND		10.0	0.730	ug/L		09/02/25 07:00	09/03/25 14:36	1

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

Lab Sample ID: MB 400-721630/1-A
Matrix: Water
Analysis Batch: 721622

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 721630

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloroaniline	ND		10.0	0.580	ug/L		09/02/25 07:00	09/03/25 14:36	1
4-Chlorophenyl phenyl ether	ND		10.0	0.240	ug/L		09/02/25 07:00	09/03/25 14:36	1
4-Nitroaniline	ND		10.0	3.50	ug/L		09/02/25 07:00	09/03/25 14:36	1
4-Nitrophenol	ND		10.0	2.74	ug/L		09/02/25 07:00	09/03/25 14:36	1
Acenaphthene	ND		10.0	0.630	ug/L		09/02/25 07:00	09/03/25 14:36	1
Acenaphthylene	ND		10.0	0.760	ug/L		09/02/25 07:00	09/03/25 14:36	1
Acetophenone	ND		10.0	3.20	ug/L		09/02/25 07:00	09/03/25 14:36	1
Anthracene	ND		10.0	0.910	ug/L		09/02/25 07:00	09/03/25 14:36	1
Atrazine	ND		10.0	1.13	ug/L		09/02/25 07:00	09/03/25 14:36	1
Benzaldehyde	ND		10.0	0.670	ug/L		09/02/25 07:00	09/03/25 14:36	1
Benzo[a]anthracene	ND		10.0	1.00	ug/L		09/02/25 07:00	09/03/25 14:36	1
Benzo[a]pyrene	ND		10.0	1.10	ug/L		09/02/25 07:00	09/03/25 14:36	1
Benzo[b]fluoranthene	ND		10.0	1.20	ug/L		09/02/25 07:00	09/03/25 14:36	1
Benzo[g,h,i]perylene	ND		10.0	1.50	ug/L		09/02/25 07:00	09/03/25 14:36	1
Benzo[k]fluoranthene	ND		10.0	1.50	ug/L		09/02/25 07:00	09/03/25 14:36	1
bis (2-chloroisopropyl) ether	ND		10.0	0.930	ug/L		09/02/25 07:00	09/03/25 14:36	1
Bis(2-chloroethoxy)methane	ND		10.0	0.340	ug/L		09/02/25 07:00	09/03/25 14:36	1
Bis(2-chloroethyl)ether	ND		10.0	0.730	ug/L		09/02/25 07:00	09/03/25 14:36	1
Bis(2-ethylhexyl) phthalate	ND		10.0	4.00	ug/L		09/02/25 07:00	09/03/25 14:36	1
Butyl benzyl phthalate	ND		10.0	4.00	ug/L		09/02/25 07:00	09/03/25 14:36	1
Caprolactam	ND		10.0	2.40	ug/L		09/02/25 07:00	09/03/25 14:36	1
Carbazole	ND		10.0	0.320	ug/L		09/02/25 07:00	09/03/25 14:36	1
Chrysene	ND		10.0	1.20	ug/L		09/02/25 07:00	09/03/25 14:36	1
Dibenz(a,h)anthracene	ND		10.0	1.30	ug/L		09/02/25 07:00	09/03/25 14:36	1
Dibenzofuran	ND		10.0	0.640	ug/L		09/02/25 07:00	09/03/25 14:36	1
Diethyl phthalate	ND		10.0	4.00	ug/L		09/02/25 07:00	09/03/25 14:36	1
Dimethyl phthalate	ND		10.0	4.00	ug/L		09/02/25 07:00	09/03/25 14:36	1
Di-n-butyl phthalate	ND		10.0	8.19	ug/L		09/02/25 07:00	09/03/25 14:36	1
Di-n-octyl phthalate	ND		10.0	4.00	ug/L		09/02/25 07:00	09/03/25 14:36	1
Fluoranthene	ND		10.0	0.630	ug/L		09/02/25 07:00	09/03/25 14:36	1
Fluorene	ND		10.0	0.670	ug/L		09/02/25 07:00	09/03/25 14:36	1
Hexachlorobenzene	ND		10.0	0.250	ug/L		09/02/25 07:00	09/03/25 14:36	1
Hexachlorobutadiene	ND		10.0	0.550	ug/L		09/02/25 07:00	09/03/25 14:36	1
Hexachlorocyclopentadiene	ND		20.0	0.320	ug/L		09/02/25 07:00	09/03/25 14:36	1
Hexachloroethane	ND		10.0	0.530	ug/L		09/02/25 07:00	09/03/25 14:36	1
Indeno[1,2,3-cd]pyrene	ND		10.0	1.10	ug/L		09/02/25 07:00	09/03/25 14:36	1
Isophorone	ND		10.0	0.800	ug/L		09/02/25 07:00	09/03/25 14:36	1
Naphthalene	ND		10.0	0.750	ug/L		09/02/25 07:00	09/03/25 14:36	1
Nitrobenzene	ND		10.0	0.600	ug/L		09/02/25 07:00	09/03/25 14:36	1
N-Nitrosodi-n-propylamine	ND		10.0	0.330	ug/L		09/02/25 07:00	09/03/25 14:36	1
N-Nitrosodiphenylamine	ND		10.0	0.190	ug/L		09/02/25 07:00	09/03/25 14:36	1
Pentachlorophenol	ND		10.0	2.80	ug/L		09/02/25 07:00	09/03/25 14:36	1
Phenanthrene	ND		10.0	0.740	ug/L		09/02/25 07:00	09/03/25 14:36	1
Phenol	ND		10.0	0.680	ug/L		09/02/25 07:00	09/03/25 14:36	1
Pyrene	ND		10.0	0.630	ug/L		09/02/25 07:00	09/03/25 14:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*75*		*10 - 150*	*09/02/25 07:00*	*09/03/25 14:36*	*1*

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

Lab Sample ID: MB 400-721630/1-A
Matrix: Water
Analysis Batch: 721622

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 721630

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	70		25 - 139	09/02/25 07:00	09/03/25 14:36	1
2-Fluorophenol (Surr)	68		10 - 150	09/02/25 07:00	09/03/25 14:36	1
Nitrobenzene-d5 (Surr)	73		22 - 150	09/02/25 07:00	09/03/25 14:36	1
Phenol-d5 (Surr)	60		10 - 150	09/02/25 07:00	09/03/25 14:36	1
Terphenyl-d14 (Surr)	68		28 - 150	09/02/25 07:00	09/03/25 14:36	1

Lab Sample ID: LCS 400-721630/2-A
Matrix: Water
Analysis Batch: 721622

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 721630

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	33.3	24.69		ug/L		74	27 - 120
2,4,5-Trichlorophenol	33.3	34.88		ug/L		105	27 - 136
2,4,6-Trichlorophenol	33.3	34.46		ug/L		103	21 - 132
2,4-Dichlorophenol	33.3	27.42		ug/L		82	30 - 125
2,4-Dimethylphenol	33.3	24.78		ug/L		74	10 - 142
2,4-Dinitrophenol	66.7	77.66		ug/L		116	10 - 150
2,4-Dinitrotoluene	33.3	31.56		ug/L		95	30 - 129
2,6-Dinitrotoluene	33.3	31.97		ug/L		96	34 - 132
2-Chloronaphthalene	33.3	23.01		ug/L		69	10 - 150
2-Chlorophenol	33.3	30.28		ug/L		91	28 - 127
2-Methylnaphthalene	33.3	22.98		ug/L		69	24 - 150
2-Methylphenol	33.3	31.43		ug/L		94	11 - 121
2-Nitroaniline	33.3	33.07		ug/L		99	31 - 141
2-Nitrophenol	33.3	27.44		ug/L		82	31 - 142
3 & 4 Methylphenol	33.3	33.43		ug/L		100	10 - 150
3,3'-Dichlorobenzidine	66.7	41.52		ug/L		62	10 - 150
3-Nitroaniline	33.3	30.19		ug/L		91	33 - 136
4,6-Dinitro-2-methylphenol	66.7	69.06		ug/L		104	10 - 150
4-Bromophenyl phenyl ether	33.3	27.64		ug/L		83	24 - 120
4-Chloro-3-methylphenol	33.3	30.94		ug/L		93	10 - 137
4-Chloroaniline	33.3	28.92		ug/L		87	10 - 150
4-Chlorophenyl phenyl ether	33.3	28.55		ug/L		86	31 - 110
4-Nitroaniline	33.3	31.23		ug/L		94	37 - 139
4-Nitrophenol	66.7	88.90		ug/L		133	10 - 150
Acenaphthene	33.3	26.07		ug/L		78	29 - 150
Acenaphthylene	33.3	26.02		ug/L		78	30 - 150
Acetophenone	33.3	28.90		ug/L		87	27 - 119
Anthracene	33.3	28.51		ug/L		86	31 - 150
Atrazine	33.3	26.73		ug/L		80	10 - 150
Benzaldehyde	33.3	21.47		ug/L		64	10 - 150
Benzo[a]anthracene	33.3	30.11		ug/L		90	36 - 150
Benzo[a]pyrene	33.3	29.51		ug/L		89	29 - 150
Benzo[b]fluoranthene	33.3	31.08		ug/L		93	32 - 150
Benzo[g,h,i]perylene	33.3	28.65		ug/L		86	28 - 150
Benzo[k]fluoranthene	33.3	27.58		ug/L		83	30 - 150
bis (2-chloroisopropyl) ether	33.3	27.06		ug/L		81	32 - 115
Bis(2-chloroethoxy)methane	33.3	29.81		ug/L		89	34 - 120

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

Lab Sample ID: LCS 400-721630/2-A
Matrix: Water
Analysis Batch: 721622

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 721630

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Bis(2-chloroethyl)ether			33.3	27.84		ug/L		84	32 - 114		
Bis(2-ethylhexyl) phthalate			33.3	29.76		ug/L		89	24 - 133		
Butyl benzyl phthalate			33.3	26.31		ug/L		79	24 - 140		
Caprolactam			33.3	31.10		ug/L		93	10 - 150		
Carbazole			33.3	28.27		ug/L		85	28 - 123		
Chrysene			33.3	28.66		ug/L		86	34 - 150		
Dibenz(a,h)anthracene			33.3	27.80		ug/L		83	29 - 150		
Dibenzofuran			33.3	27.35		ug/L		82	35 - 110		
Diethyl phthalate			33.3	21.35		ug/L		64	31 - 118		
Dimethyl phthalate			33.3	22.13		ug/L		66	24 - 125		
Di-n-butyl phthalate			33.3	23.78		ug/L		71	30 - 127		
Di-n-octyl phthalate			33.3	31.32		ug/L		94	28 - 142		
Fluoranthene			33.3	28.00		ug/L		84	30 - 150		
Fluorene			33.3	29.11		ug/L		87	30 - 150		
Hexachlorobenzene			33.3	27.07		ug/L		81	29 - 113		
Hexachlorobutadiene			33.3	9.050	J	ug/L		27	10 - 117		
Hexachlorocyclopentadiene			33.3	13.81	J	ug/L		41	10 - 150		
Hexachloroethane			33.3	11.98		ug/L		36	10 - 112		
Indeno[1,2,3-cd]pyrene			33.3	26.88		ug/L		81	28 - 150		
Isophorone			33.3	31.17		ug/L		94	29 - 125		
Naphthalene			33.3	22.11		ug/L		66	27 - 150		
Nitrobenzene			33.3	28.40		ug/L		85	29 - 129		
N-Nitrosodi-n-propylamine			33.3	30.22		ug/L		91	53 - 134		
N-Nitrosodiphenylamine			33.1	32.62		ug/L		99	62 - 132		
Pentachlorophenol			66.7	78.37		ug/L		118	14 - 150		
Phenanthrene			33.3	28.80		ug/L		86	32 - 150		
Phenol			33.3	37.68		ug/L		113	10 - 150		
Pyrene			33.3	28.56		ug/L		86	30 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*84*		*10 - 150*
2-Fluorobiphenyl (Surr)	*70*		*25 - 139*
2-Fluorophenol (Surr)	*96*		*10 - 150*
Nitrobenzene-d5 (Surr)	*74*		*22 - 150*
Phenol-d5 (Surr)	*104*		*10 - 150*
Terphenyl-d14 (Surr)	*73*		*28 - 150*

Lab Sample ID: LCSD 400-721630/3-A
Matrix: Water
Analysis Batch: 721622

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 721630

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl			33.3	23.20		ug/L		70	27 - 120	6	40
2,4,5-Trichlorophenol			33.3	32.82		ug/L		98	27 - 136	6	40
2,4,6-Trichlorophenol			33.3	33.00		ug/L		99	21 - 132	4	40
2,4-Dichlorophenol			33.3	26.94		ug/L		81	30 - 125	2	40
2,4-Dimethylphenol			33.3	23.72		ug/L		71	10 - 142	4	40
2,4-Dinitrophenol			66.7	76.27		ug/L		114	10 - 150	2	40

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

Lab Sample ID: LCSD 400-721630/3-A
Matrix: Water
Analysis Batch: 721622

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 721630

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-Dinitrotoluene	33.3	30.50		ug/L		91	30 - 129	3	40
2,6-Dinitrotoluene	33.3	30.71		ug/L		92	34 - 132	4	40
2-Chloronaphthalene	33.3	21.34		ug/L		64	10 - 150	8	40
2-Chlorophenol	33.3	28.52		ug/L		86	28 - 127	6	40
2-Methylnaphthalene	33.3	22.23		ug/L		67	24 - 150	3	40
2-Methylphenol	33.3	29.08		ug/L		87	11 - 121	8	40
2-Nitroaniline	33.3	32.46		ug/L		97	31 - 141	2	40
2-Nitrophenol	33.3	26.70		ug/L		80	31 - 142	3	40
3 & 4 Methylphenol	33.3	31.67		ug/L		95	10 - 150	5	40
3,3'-Dichlorobenzidine	66.7	39.84		ug/L		60	10 - 150	4	40
3-Nitroaniline	33.3	30.00		ug/L		90	33 - 136	1	40
4,6-Dinitro-2-methylphenol	66.7	65.44		ug/L		98	10 - 150	5	40
4-Bromophenyl phenyl ether	33.3	27.44		ug/L		82	24 - 120	1	40
4-Chloro-3-methylphenol	33.3	29.83		ug/L		89	10 - 137	4	40
4-Chloroaniline	33.3	28.50		ug/L		86	10 - 150	1	40
4-Chlorophenyl phenyl ether	33.3	26.99		ug/L		81	31 - 110	6	40
4-Nitroaniline	33.3	30.97		ug/L		93	37 - 139	1	40
4-Nitrophenol	66.7	85.16		ug/L		128	10 - 150	4	40
Acenaphthene	33.3	24.58		ug/L		74	29 - 150	6	40
Acenaphthylene	33.3	24.92		ug/L		75	30 - 150	4	40
Acetophenone	33.3	27.96		ug/L		84	27 - 119	3	40
Anthracene	33.3	28.45		ug/L		85	31 - 150	0	40
Atrazine	33.3	28.52		ug/L		86	10 - 150	6	40
Benzaldehyde	33.3	20.94		ug/L		63	10 - 150	3	40
Benzo[a]anthracene	33.3	28.67		ug/L		86	36 - 150	5	40
Benzo[a]pyrene	33.3	29.64		ug/L		89	29 - 150	0	40
Benzo[b]fluoranthene	33.3	31.54		ug/L		95	32 - 150	1	40
Benzo[g,h,i]perylene	33.3	28.81		ug/L		86	28 - 150	1	40
Benzo[k]fluoranthene	33.3	27.18		ug/L		82	30 - 150	1	40
bis (2-chloroisopropyl) ether	33.3	26.44		ug/L		79	32 - 115	2	40
Bis(2-chloroethoxy)methane	33.3	29.60		ug/L		89	34 - 120	1	40
Bis(2-chloroethyl)ether	33.3	27.22		ug/L		82	32 - 114	2	40
Bis(2-ethylhexyl) phthalate	33.3	28.39		ug/L		85	24 - 133	5	40
Butyl benzyl phthalate	33.3	24.78		ug/L		74	24 - 140	6	40
Caprolactam	33.3	33.82		ug/L		101	10 - 150	8	40
Carbazole	33.3	27.81		ug/L		83	28 - 123	2	40
Chrysene	33.3	27.14		ug/L		81	34 - 150	5	40
Dibenz(a,h)anthracene	33.3	27.90		ug/L		84	29 - 150	0	40
Dibenzofuran	33.3	26.13		ug/L		78	35 - 110	5	40
Diethyl phthalate	33.3	19.80		ug/L		59	31 - 118	8	40
Dimethyl phthalate	33.3	20.72		ug/L		62	24 - 125	7	40
Di-n-butyl phthalate	33.3	23.52		ug/L		71	30 - 127	1	40
Di-n-octyl phthalate	33.3	30.61		ug/L		92	28 - 142	2	40
Fluoranthene	33.3	27.87		ug/L		84	30 - 150	0	40
Fluorene	33.3	27.60		ug/L		83	30 - 150	5	40
Hexachlorobenzene	33.3	26.83		ug/L		80	29 - 113	1	40
Hexachlorobutadiene	33.3	7.902	J	ug/L		24	10 - 117	14	40
Hexachlorocyclopentadiene	33.3	13.04	J	ug/L		39	10 - 150	6	40
Hexachloroethane	33.3	10.58		ug/L		32	10 - 112	12	40

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

Lab Sample ID: LCSD 400-721630/3-A
Matrix: Water
Analysis Batch: 721622

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 721630

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Indeno[1,2,3-cd]pyrene			33.3	27.02		ug/L		81	28 - 150	1	40
Isophorone			33.3	30.52		ug/L		92	29 - 125	2	40
Naphthalene			33.3	21.61		ug/L		65	27 - 150	2	40
Nitrobenzene			33.3	27.54		ug/L		83	29 - 129	3	40
N-Nitrosodi-n-propylamine			33.3	29.87		ug/L		90	53 - 134	1	40
N-Nitrosodiphenylamine			33.1	31.45		ug/L		95	62 - 132	4	40
Pentachlorophenol			66.7	77.01		ug/L		116	14 - 150	2	40
Phenanthrene			33.3	28.37		ug/L		85	32 - 150	1	40
Phenol			33.3	35.49		ug/L		106	10 - 150	6	40
Pyrene			33.3	28.59		ug/L		86	30 - 150	0	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*80*		*10 - 150*
2-Fluorobiphenyl (Surr)	*72*		*25 - 139*
2-Fluorophenol (Surr)	*89*		*10 - 150*
Nitrobenzene-d5 (Surr)	*77*		*22 - 150*
Phenol-d5 (Surr)	*97*		*10 - 150*
Terphenyl-d14 (Surr)	*73*		*28 - 150*

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

Lab Sample ID: MB 400-721613/1-A
Matrix: Water
Analysis Batch: 722008

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 721613

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.300	0.300	ug/L		09/02/25 10:30	09/05/25 13:35	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*117*		*10 - 140*	*09/02/25 10:30*	*09/05/25 13:35*	*1*

Lab Sample ID: LCS 400-721613/2-A
Matrix: Water
Analysis Batch: 722008

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 721613

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane			16.0	15.95		ug/L		100	30 - 150

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Dioxane-d8	*116*		*10 - 140*

Lab Sample ID: LCSD 400-721613/3-A
Matrix: Water
Analysis Batch: 722008

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 721613

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane			16.0	16.24		ug/L		102	30 - 150	2	

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

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
1,4-Dioxane-d8	120		10 - 140

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 705-78981/1-A
Matrix: Water
Analysis Batch: 80133

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 78981

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	2.45	ug/L		09/02/25 16:40	09/06/25 02:22	1
Arsenic	ND		5.00	1.32	ug/L		09/02/25 16:40	09/06/25 02:22	1
Barium	ND		10.0	0.410	ug/L		09/02/25 16:40	09/06/25 02:22	1
Beryllium	ND		1.00	0.147	ug/L		09/02/25 16:40	09/06/25 02:22	1
Cadmium	ND		0.700	0.237	ug/L		09/02/25 16:40	09/06/25 02:22	1
Chromium	ND		5.00	3.69	ug/L		09/02/25 16:40	09/06/25 02:22	1
Cobalt	ND		5.00	0.411	ug/L		09/02/25 16:40	09/06/25 02:22	1
Copper	ND		2.00	0.642	ug/L		09/02/25 16:40	09/06/25 02:22	1
Lead	ND		1.00	0.864	ug/L		09/02/25 16:40	09/06/25 02:22	1
Manganese	ND		5.00	1.29	ug/L		09/02/25 16:40	09/06/25 02:22	1
Nickel	ND		5.00	0.422	ug/L		09/02/25 16:40	09/06/25 02:22	1
Selenium	ND		5.00	2.29	ug/L		09/02/25 16:40	09/06/25 02:22	1
Silver	ND		1.00	0.167	ug/L		09/02/25 16:40	09/06/25 02:22	1
Thallium	ND		1.00	0.190	ug/L		09/02/25 16:40	09/06/25 02:22	1
Vanadium	ND		5.00	1.22	ug/L		09/02/25 16:40	09/06/25 02:22	1
Zinc	ND		10.0	8.91	ug/L		09/02/25 16:40	09/06/25 02:22	1

Lab Sample ID: LCS 705-78981/2-A
Matrix: Water
Analysis Batch: 80133

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 78981

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	100	102.0		ug/L		102	80 - 120
Arsenic	100	100.5		ug/L		101	80 - 120
Barium	100	101.4		ug/L		101	80 - 120
Beryllium	100	94.03		ug/L		94	80 - 120
Cadmium	100	98.09		ug/L		98	80 - 120
Chromium	100	102.4		ug/L		102	80 - 120
Cobalt	100	102.3		ug/L		102	80 - 120
Copper	100	102.5		ug/L		103	80 - 120
Lead	100	102.2		ug/L		102	80 - 120
Manganese	100	100.5		ug/L		101	80 - 120
Nickel	100	102.7		ug/L		103	80 - 120
Selenium	100	100.7		ug/L		101	80 - 120
Silver	10.0	10.01		ug/L		100	80 - 120
Thallium	100	102.8		ug/L		103	80 - 120
Vanadium	100	102.5		ug/L		103	80 - 120
Zinc	100	101.3		ug/L		101	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 705-80829/1-A
Matrix: Water
Analysis Batch: 80924

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 80829

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.166	ug/L		09/10/25 14:39	09/10/25 20:15	1

Lab Sample ID: LCS 705-80829/2-A
Matrix: Water
Analysis Batch: 80924

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 80829

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	4.00	3.945		ug/L		99	80 - 120

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 752-13331/42
Matrix: Water
Analysis Batch: 13331

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.0500	0.0200	mg/L			09/03/25 11:19	1

Lab Sample ID: MB 752-13331/74
Matrix: Water
Analysis Batch: 13331

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.0500	0.0200	mg/L			09/03/25 12:38	1

Lab Sample ID: LCS 752-13331/43
Matrix: Water
Analysis Batch: 13331

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	1.02	1.027		mg/L		101	90 - 110

Lab Sample ID: LCS 752-13331/75
Matrix: Water
Analysis Batch: 13331

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	1.02	0.9738		mg/L		96	90 - 110

Lab Sample ID: 752-36298-5 MS
Matrix: Water
Analysis Batch: 13331

Client Sample ID: MW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	ND	F1	0.395	0.1135	F1	mg/L		29	90 - 110

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: 752-36298-5 MSD
Matrix: Water
Analysis Batch: 13331

Client Sample ID: MW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia	ND	F1	0.395	0.1239	F1	mg/L		31	90 - 110	9	30

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 400-722174/12
Matrix: Water
Analysis Batch: 722174

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		5.00	1.40	mg/L			09/07/25 11:36	1

Lab Sample ID: LCS 400-722174/13
Matrix: Water
Analysis Batch: 722174

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	15.0	14.38		mg/L		96	90 - 110

Lab Sample ID: MRL 400-722174/14
Matrix: Water
Analysis Batch: 722174

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	5.00	3.362	J	mg/L		67	50 - 150

Lab Sample ID: 752-36298-7 MS
Matrix: Water
Analysis Batch: 722174

Client Sample ID: MW-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	63.8	F1	20.0	69.59	F1	mg/L		29	77 - 128

Lab Sample ID: 752-36298-7 MSD
Matrix: Water
Analysis Batch: 722174

Client Sample ID: MW-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	63.8	F1	20.0	69.27	F1	mg/L		27	77 - 128	0	5

GC/MS VOA

Analysis Batch: 721785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-36298-1	A-MW-6	Total/NA	Water	8260D	
752-36298-2	A-MW-7	Total/NA	Water	8260D	
752-36298-3	A-MW-8	Total/NA	Water	8260D	
752-36298-4	A-MW-9	Total/NA	Water	8260D	
752-36298-5	MW-1	Total/NA	Water	8260D	
752-36298-6	MW-2	Total/NA	Water	8260D	
752-36298-7	MW-4	Total/NA	Water	8260D	
752-36298-8	MW-5	Total/NA	Water	8260D	
752-36298-9	Duplicate-2	Total/NA	Water	8260D	
752-36298-10	Trip Blank	Total/NA	Water	8260D	
MB 400-721785/31	Method Blank	Total/NA	Water	8260D	
LCS 400-721785/1002	Lab Control Sample	Total/NA	Water	8260D	
752-36298-2 MS	A-MW-7	Total/NA	Water	8260D	
752-36298-2 MSD	A-MW-7	Total/NA	Water	8260D	

Analysis Batch: 721866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-36298-2	A-MW-7	Total/NA	Water	8260D	
752-36298-4	A-MW-9	Total/NA	Water	8260D	
752-36298-6	MW-2	Total/NA	Water	8260D	
MB 400-721866/5	Method Blank	Total/NA	Water	8260D	
LCS 400-721866/1002	Lab Control Sample	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 721613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-36298-1	A-MW-6	Total/NA	Water	3510C	
752-36298-2	A-MW-7	Total/NA	Water	3510C	
752-36298-3	A-MW-8	Total/NA	Water	3510C	
752-36298-4	A-MW-9	Total/NA	Water	3510C	
752-36298-5	MW-1	Total/NA	Water	3510C	
752-36298-6	MW-2	Total/NA	Water	3510C	
752-36298-7	MW-4	Total/NA	Water	3510C	
752-36298-8	MW-5	Total/NA	Water	3510C	
752-36298-9	Duplicate-2	Total/NA	Water	3510C	
MB 400-721613/1-A	Method Blank	Total/NA	Water	3510C	
LCS 400-721613/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 400-721613/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 721622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-721630/1-A	Method Blank	Total/NA	Water	8270E	721630
LCS 400-721630/2-A	Lab Control Sample	Total/NA	Water	8270E	721630
LCSD 400-721630/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	721630

Prep Batch: 721630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-36298-1	A-MW-6	Total/NA	Water	3511	
752-36298-2	A-MW-7	Total/NA	Water	3511	
752-36298-3	A-MW-8	Total/NA	Water	3511	

GC/MS Semi VOA (Continued)

Prep Batch: 721630 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-36298-4	A-MW-9	Total/NA	Water	3511	
752-36298-5	MW-1	Total/NA	Water	3511	
752-36298-6	MW-2	Total/NA	Water	3511	
752-36298-7	MW-4	Total/NA	Water	3511	
752-36298-8	MW-5	Total/NA	Water	3511	
752-36298-9	Duplicate-2	Total/NA	Water	3511	
MB 400-721630/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-721630/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-721630/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 721871

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-36298-1	A-MW-6	Total/NA	Water	8270E	721630
752-36298-2	A-MW-7	Total/NA	Water	8270E	721630
752-36298-3	A-MW-8	Total/NA	Water	8270E	721630
752-36298-4	A-MW-9	Total/NA	Water	8270E	721630
752-36298-5	MW-1	Total/NA	Water	8270E	721630
752-36298-6	MW-2	Total/NA	Water	8270E	721630
752-36298-7	MW-4	Total/NA	Water	8270E	721630
752-36298-8	MW-5	Total/NA	Water	8270E	721630
752-36298-9	Duplicate-2	Total/NA	Water	8270E	721630

Analysis Batch: 722008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-36298-1	A-MW-6	Total/NA	Water	8270E SIM ID	721613
752-36298-2	A-MW-7	Total/NA	Water	8270E SIM ID	721613
752-36298-3	A-MW-8	Total/NA	Water	8270E SIM ID	721613
752-36298-4	A-MW-9	Total/NA	Water	8270E SIM ID	721613
752-36298-5	MW-1	Total/NA	Water	8270E SIM ID	721613
752-36298-6	MW-2	Total/NA	Water	8270E SIM ID	721613
752-36298-7	MW-4	Total/NA	Water	8270E SIM ID	721613
752-36298-8	MW-5	Total/NA	Water	8270E SIM ID	721613
752-36298-9	Duplicate-2	Total/NA	Water	8270E SIM ID	721613
MB 400-721613/1-A	Method Blank	Total/NA	Water	8270E SIM ID	721613
LCS 400-721613/2-A	Lab Control Sample	Total/NA	Water	8270E SIM ID	721613
LCSD 400-721613/3-A	Lab Control Sample Dup	Total/NA	Water	8270E SIM ID	721613

Metals

Prep Batch: 78981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-36298-1	A-MW-6	Total Recoverable	Water	3005A	
752-36298-2	A-MW-7	Total Recoverable	Water	3005A	
752-36298-3	A-MW-8	Total Recoverable	Water	3005A	
752-36298-4	A-MW-9	Total Recoverable	Water	3005A	
752-36298-5	MW-1	Total Recoverable	Water	3005A	
752-36298-6	MW-2	Total Recoverable	Water	3005A	
752-36298-7	MW-4	Total Recoverable	Water	3005A	
752-36298-8	MW-5	Total Recoverable	Water	3005A	
752-36298-9	Duplicate-2	Total Recoverable	Water	3005A	
MB 705-78981/1-A	Method Blank	Total Recoverable	Water	3005A	

Metals (Continued)

Prep Batch: 78981 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 705-78981/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 80133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-36298-1	A-MW-6	Total Recoverable	Water	6020B	78981
752-36298-2	A-MW-7	Total Recoverable	Water	6020B	78981
752-36298-3	A-MW-8	Total Recoverable	Water	6020B	78981
752-36298-4	A-MW-9	Total Recoverable	Water	6020B	78981
752-36298-5	MW-1	Total Recoverable	Water	6020B	78981
752-36298-6	MW-2	Total Recoverable	Water	6020B	78981
752-36298-7	MW-4	Total Recoverable	Water	6020B	78981
752-36298-8	MW-5	Total Recoverable	Water	6020B	78981
752-36298-9	Duplicate-2	Total Recoverable	Water	6020B	78981
MB 705-78981/1-A	Method Blank	Total Recoverable	Water	6020B	78981
LCS 705-78981/2-A	Lab Control Sample	Total Recoverable	Water	6020B	78981

Prep Batch: 80829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-36298-1	A-MW-6	Total/NA	Water	7470A	
752-36298-2	A-MW-7	Total/NA	Water	7470A	
752-36298-3	A-MW-8	Total/NA	Water	7470A	
752-36298-4	A-MW-9	Total/NA	Water	7470A	
752-36298-5	MW-1	Total/NA	Water	7470A	
752-36298-6	MW-2	Total/NA	Water	7470A	
752-36298-7	MW-4	Total/NA	Water	7470A	
752-36298-8	MW-5	Total/NA	Water	7470A	
752-36298-9	Duplicate-2	Total/NA	Water	7470A	
MB 705-80829/1-A	Method Blank	Total/NA	Water	7470A	
LCS 705-80829/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 80924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-36298-1	A-MW-6	Total/NA	Water	7470A	80829
752-36298-2	A-MW-7	Total/NA	Water	7470A	80829
752-36298-3	A-MW-8	Total/NA	Water	7470A	80829
752-36298-4	A-MW-9	Total/NA	Water	7470A	80829
752-36298-5	MW-1	Total/NA	Water	7470A	80829
752-36298-6	MW-2	Total/NA	Water	7470A	80829
752-36298-7	MW-4	Total/NA	Water	7470A	80829
752-36298-8	MW-5	Total/NA	Water	7470A	80829
752-36298-9	Duplicate-2	Total/NA	Water	7470A	80829
MB 705-80829/1-A	Method Blank	Total/NA	Water	7470A	80829
LCS 705-80829/2-A	Lab Control Sample	Total/NA	Water	7470A	80829

General Chemistry

Analysis Batch: 13312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-36298-1	A-MW-6	Total/NA	Water	Nitrate by calc	
752-36298-2	A-MW-7	Total/NA	Water	Nitrate by calc	
752-36298-3	A-MW-8	Total/NA	Water	Nitrate by calc	

General Chemistry (Continued)

Analysis Batch: 13312 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-36298-4	A-MW-9	Total/NA	Water	Nitrate by calc	
752-36298-5	MW-1	Total/NA	Water	Nitrate by calc	
752-36298-6	MW-2	Total/NA	Water	Nitrate by calc	
752-36298-7	MW-4	Total/NA	Water	Nitrate by calc	
752-36298-8	MW-5	Total/NA	Water	Nitrate by calc	
752-36298-9	Duplicate-2	Total/NA	Water	Nitrate by calc	

Analysis Batch: 13331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-36298-1	A-MW-6	Total/NA	Water	350.1	
752-36298-2	A-MW-7	Total/NA	Water	350.1	
752-36298-3	A-MW-8	Total/NA	Water	350.1	
752-36298-4	A-MW-9	Total/NA	Water	350.1	
752-36298-5	MW-1	Total/NA	Water	350.1	
752-36298-6	MW-2	Total/NA	Water	350.1	
752-36298-7	MW-4	Total/NA	Water	350.1	
752-36298-8	MW-5	Total/NA	Water	350.1	
752-36298-9	Duplicate-2	Total/NA	Water	350.1	
MB 752-13331/42	Method Blank	Total/NA	Water	350.1	
MB 752-13331/74	Method Blank	Total/NA	Water	350.1	
LCS 752-13331/43	Lab Control Sample	Total/NA	Water	350.1	
LCS 752-13331/75	Lab Control Sample	Total/NA	Water	350.1	
752-36298-5 MS	MW-1	Total/NA	Water	350.1	
752-36298-5 MSD	MW-1	Total/NA	Water	350.1	

Analysis Batch: 722174

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-36298-1	A-MW-6	Total/NA	Water	SM 4500 SO4 E	
752-36298-2	A-MW-7	Total/NA	Water	SM 4500 SO4 E	
752-36298-3	A-MW-8	Total/NA	Water	SM 4500 SO4 E	
752-36298-4	A-MW-9	Total/NA	Water	SM 4500 SO4 E	
752-36298-5	MW-1	Total/NA	Water	SM 4500 SO4 E	
752-36298-6	MW-2	Total/NA	Water	SM 4500 SO4 E	
752-36298-7	MW-4	Total/NA	Water	SM 4500 SO4 E	
752-36298-8	MW-5	Total/NA	Water	SM 4500 SO4 E	
752-36298-9	Duplicate-2	Total/NA	Water	SM 4500 SO4 E	
MB 400-722174/12	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-722174/13	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MRL 400-722174/14	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
752-36298-7 MS	MW-4	Total/NA	Water	SM 4500 SO4 E	
752-36298-7 MSD	MW-4	Total/NA	Water	SM 4500 SO4 E	

Lab Chronicle

Client: S&ME Inc
Job ID: 752-36298-1
Project/Site: Lyon Park

Client Sample ID: A-MW-6
Lab Sample ID: 752-36298-1
Date Collected: 08/27/25 13:35
Matrix: Water
Date Received: 08/28/25 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	721785	CAR	EET PEN	09/03/25 16:38
Total/NA	Prep	3511			721630	JPH	EET PEN	09/02/25 07:00
Total/NA	Analysis	8270E		1	721871	UI	EET PEN	09/04/25 12:53
Total/NA	Prep	3510C			721613	BKL	EET PEN	09/02/25 10:30
Total/NA	Analysis	8270E SIM ID		1	722008	VC1	EET PEN	09/05/25 15:02
Total Recoverable	Prep	3005A			78981	KB	EET ATL	09/02/25 16:40
Total Recoverable	Analysis	6020B		1	80133	IF	EET ATL	09/06/25 02:56
Total/NA	Prep	7470A			80829	GR	EET ATL	09/10/25 14:39
Total/NA	Analysis	7470A		1	80924	GR	EET ATL	09/10/25 21:33
Total/NA	Analysis	350.1		1	13331	ME	EET RAL	09/03/25 11:31
Total/NA	Analysis	Nitrate by calc		1	13312	LEB	EET RAL	09/02/25 16:20
Total/NA	Analysis	SM 4500 SO4 E		2	722174	CJK	EET PEN	09/07/25 11:40

Client Sample ID: A-MW-7
Lab Sample ID: 752-36298-2
Date Collected: 08/27/25 18:00
Matrix: Water
Date Received: 08/28/25 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	721785	CAR	EET PEN	09/03/25 15:15
Total/NA	Analysis	8260D		1	721866	RSG	EET PEN	09/04/25 13:47
Total/NA	Prep	3511			721630	JPH	EET PEN	09/02/25 07:00
Total/NA	Analysis	8270E		1	721871	UI	EET PEN	09/04/25 13:27
Total/NA	Prep	3510C			721613	BKL	EET PEN	09/02/25 10:30
Total/NA	Analysis	8270E SIM ID		1	722008	VC1	EET PEN	09/05/25 15:24
Total Recoverable	Prep	3005A			78981	KB	EET ATL	09/02/25 16:40
Total Recoverable	Analysis	6020B		1	80133	IF	EET ATL	09/06/25 02:59
Total/NA	Prep	7470A			80829	GR	EET ATL	09/10/25 14:39
Total/NA	Analysis	7470A		1	80924	GR	EET ATL	09/10/25 21:37
Total/NA	Analysis	350.1		1	13331	ME	EET RAL	09/03/25 11:33
Total/NA	Analysis	Nitrate by calc		1	13312	LEB	EET RAL	09/02/25 16:20
Total/NA	Analysis	SM 4500 SO4 E		10	722174	CJK	EET PEN	09/07/25 11:58

Client Sample ID: A-MW-8
Lab Sample ID: 752-36298-3
Date Collected: 08/27/25 16:55
Matrix: Water
Date Received: 08/28/25 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	721785	CAR	EET PEN	09/03/25 16:59
Total/NA	Prep	3511			721630	JPH	EET PEN	09/02/25 07:00
Total/NA	Analysis	8270E		1	721871	UI	EET PEN	09/04/25 14:02
Total/NA	Prep	3510C			721613	BKL	EET PEN	09/02/25 10:30
Total/NA	Analysis	8270E SIM ID		1	722008	VC1	EET PEN	09/05/25 15:46
Total Recoverable	Prep	3005A			78981	KB	EET ATL	09/02/25 16:40
Total Recoverable	Analysis	6020B		1	80133	IF	EET ATL	09/06/25 03:01

Lab Chronicle

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 752-36298-1

Client Sample ID: A-MW-8

Lab Sample ID: 752-36298-3

Date Collected: 08/27/25 16:55

Matrix: Water

Date Received: 08/28/25 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			80829	GR	EET ATL	09/10/25 14:39
Total/NA	Analysis	7470A		1	80924	GR	EET ATL	09/10/25 21:41
Total/NA	Analysis	350.1		1	13331	ME	EET RAL	09/03/25 11:35
Total/NA	Analysis	Nitrate by calc		1	13312	LEB	EET RAL	09/02/25 16:20
Total/NA	Analysis	SM 4500 SO4 E		2	722174	CJK	EET PEN	09/07/25 11:41

Client Sample ID: A-MW-9

Lab Sample ID: 752-36298-4

Date Collected: 08/27/25 17:05

Matrix: Water

Date Received: 08/28/25 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	721785	CAR	EET PEN	09/03/25 17:20
Total/NA	Analysis	8260D		1	721866	RSG	EET PEN	09/04/25 14:08
Total/NA	Prep	3511			721630	JPH	EET PEN	09/02/25 07:00
Total/NA	Analysis	8270E		1	721871	UI	EET PEN	09/04/25 14:36
Total/NA	Prep	3510C			721613	BKL	EET PEN	09/02/25 10:30
Total/NA	Analysis	8270E SIM ID		1	722008	VC1	EET PEN	09/05/25 16:08
Total Recoverable	Prep	3005A			78981	KB	EET ATL	09/02/25 16:40
Total Recoverable	Analysis	6020B		1	80133	IF	EET ATL	09/06/25 03:04
Total/NA	Prep	7470A			80829	GR	EET ATL	09/10/25 14:39
Total/NA	Analysis	7470A		1	80924	GR	EET ATL	09/10/25 21:45
Total/NA	Analysis	350.1		1	13331	ME	EET RAL	09/03/25 11:36
Total/NA	Analysis	Nitrate by calc		1	13312	LEB	EET RAL	09/02/25 16:20
Total/NA	Analysis	SM 4500 SO4 E		1	722174	CJK	EET PEN	09/07/25 11:41

Client Sample ID: MW-1

Lab Sample ID: 752-36298-5

Date Collected: 08/27/25 12:00

Matrix: Water

Date Received: 08/28/25 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	721785	CAR	EET PEN	09/03/25 17:41
Total/NA	Prep	3511			721630	JPH	EET PEN	09/02/25 07:00
Total/NA	Analysis	8270E		1	721871	UI	EET PEN	09/04/25 15:11
Total/NA	Prep	3510C			721613	BKL	EET PEN	09/02/25 10:30
Total/NA	Analysis	8270E SIM ID		1	722008	VC1	EET PEN	09/05/25 16:30
Total Recoverable	Prep	3005A			78981	KB	EET ATL	09/02/25 16:40
Total Recoverable	Analysis	6020B		1	80133	IF	EET ATL	09/06/25 03:06
Total/NA	Prep	7470A			80829	GR	EET ATL	09/10/25 14:39
Total/NA	Analysis	7470A		1	80924	GR	EET ATL	09/10/25 21:49
Total/NA	Analysis	350.1		1	13331	ME	EET RAL	09/03/25 12:45
Total/NA	Analysis	Nitrate by calc		1	13312	LEB	EET RAL	09/02/25 16:20
Total/NA	Analysis	SM 4500 SO4 E		2	722174	CJK	EET PEN	09/07/25 11:58

Lab Chronicle

Client: S&ME Inc
Job ID: 752-36298-1
Project/Site: Lyon Park

Client Sample ID: MW-2
Lab Sample ID: 752-36298-6
Date Collected: 08/27/25 11:05
Matrix: Water
Date Received: 08/28/25 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	721785	CAR	EET PEN	09/03/25 18:01
Total/NA	Analysis	8260D		1	721866	RSG	EET PEN	09/04/25 14:30
Total/NA	Prep	3511			721630	JPH	EET PEN	09/02/25 07:00
Total/NA	Analysis	8270E		1	721871	UI	EET PEN	09/04/25 15:46
Total/NA	Prep	3510C			721613	BKL	EET PEN	09/02/25 10:30
Total/NA	Analysis	8270E SIM ID		1	722008	VC1	EET PEN	09/05/25 16:51
Total Recoverable	Prep	3005A			78981	KB	EET ATL	09/02/25 16:40
Total Recoverable	Analysis	6020B		1	80133	IF	EET ATL	09/06/25 03:08
Total/NA	Prep	7470A			80829	GR	EET ATL	09/10/25 14:39
Total/NA	Analysis	7470A		1	80924	GR	EET ATL	09/10/25 21:53
Total/NA	Analysis	350.1		1	13331	ME	EET RAL	09/03/25 12:50
Total/NA	Analysis	Nitrate by calc		1	13312	LEB	EET RAL	09/02/25 16:20
Total/NA	Analysis	SM 4500 SO4 E		1	722174	CJK	EET PEN	09/07/25 11:42

Client Sample ID: MW-4
Lab Sample ID: 752-36298-7
Date Collected: 08/27/25 15:15
Matrix: Water
Date Received: 08/28/25 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	721785	CAR	EET PEN	09/03/25 18:22
Total/NA	Prep	3511			721630	JPH	EET PEN	09/02/25 07:00
Total/NA	Analysis	8270E		1	721871	UI	EET PEN	09/04/25 16:21
Total/NA	Prep	3510C			721613	BKL	EET PEN	09/02/25 10:30
Total/NA	Analysis	8270E SIM ID		1	722008	VC1	EET PEN	09/05/25 17:13
Total Recoverable	Prep	3005A			78981	KB	EET ATL	09/02/25 16:40
Total Recoverable	Analysis	6020B		1	80133	IF	EET ATL	09/06/25 03:11
Total/NA	Prep	7470A			80829	GR	EET ATL	09/10/25 14:39
Total/NA	Analysis	7470A		1	80924	GR	EET ATL	09/10/25 21:56
Total/NA	Analysis	350.1		1	13331	ME	EET RAL	09/03/25 12:52
Total/NA	Analysis	Nitrate by calc		1	13312	LEB	EET RAL	09/02/25 16:20
Total/NA	Analysis	SM 4500 SO4 E		2	722174	CJK	EET PEN	09/07/25 11:59

Client Sample ID: MW-5
Lab Sample ID: 752-36298-8
Date Collected: 08/27/25 15:25
Matrix: Water
Date Received: 08/28/25 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	721785	CAR	EET PEN	09/03/25 18:43
Total/NA	Prep	3511			721630	JPH	EET PEN	09/02/25 07:00
Total/NA	Analysis	8270E		1	721871	UI	EET PEN	09/04/25 16:56
Total/NA	Prep	3510C			721613	BKL	EET PEN	09/02/25 10:30
Total/NA	Analysis	8270E SIM ID		1	722008	VC1	EET PEN	09/05/25 17:35
Total Recoverable	Prep	3005A			78981	KB	EET ATL	09/02/25 16:40
Total Recoverable	Analysis	6020B		1	80133	IF	EET ATL	09/06/25 03:13

Lab Chronicle

Client: S&ME Inc
Job ID: 752-36298-1
Project/Site: Lyon Park

Client Sample ID: MW-5
Lab Sample ID: 752-36298-8
Date Collected: 08/27/25 15:25
Matrix: Water
Date Received: 08/28/25 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			80829	GR	EET ATL	09/10/25 14:39
Total/NA	Analysis	7470A		1	80924	GR	EET ATL	09/10/25 22:12
Total/NA	Analysis	350.1		1	13331	ME	EET RAL	09/03/25 12:54
Total/NA	Analysis	Nitrate by calc		1	13312	LEB	EET RAL	09/02/25 16:20
Total/NA	Analysis	SM 4500 SO4 E		1	722174	CJK	EET PEN	09/07/25 11:44

Client Sample ID: Duplicate-2
Lab Sample ID: 752-36298-9
Date Collected: 08/27/25 00:00
Matrix: Water
Date Received: 08/28/25 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	721785	CAR	EET PEN	09/03/25 19:04
Total/NA	Prep	3511			721630	JPH	EET PEN	09/02/25 07:00
Total/NA	Analysis	8270E		1	721871	UI	EET PEN	09/04/25 17:31
Total/NA	Prep	3510C			721613	BKL	EET PEN	09/02/25 10:30
Total/NA	Analysis	8270E SIM ID		1	722008	VC1	EET PEN	09/05/25 17:57
Total Recoverable	Prep	3005A			78981	KB	EET ATL	09/02/25 16:40
Total Recoverable	Analysis	6020B		1	80133	IF	EET ATL	09/06/25 03:16
Total/NA	Prep	7470A			80829	GR	EET ATL	09/10/25 14:39
Total/NA	Analysis	7470A		1	80924	GR	EET ATL	09/10/25 22:16
Total/NA	Analysis	350.1		1	13331	ME	EET RAL	09/03/25 12:55
Total/NA	Analysis	Nitrate by calc		1	13312	LEB	EET RAL	09/02/25 16:20
Total/NA	Analysis	SM 4500 SO4 E		1	722174	CJK	EET PEN	09/07/25 11:45

Client Sample ID: Trip Blank
Lab Sample ID: 752-36298-10
Date Collected: 08/27/25 00:00
Matrix: Water
Date Received: 08/28/25 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	721785	CAR	EET PEN	09/03/25 19:24

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

EET RAL = Eurofins Raleigh, 104 Woodwinds Industrial Court, Suite A, Cary, NC 27511, TEL (919)467-3090

Accreditation/Certification Summary

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 752-36298-1

Laboratory: Eurofins Raleigh

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
North Carolina (WW/SW)	State	591	12-31-25

Laboratory: Eurofins Atlanta

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
North Carolina (WW/SW)	State	562	12-31-25

Laboratory: Eurofins Pensacola

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
North Carolina (WW/SW)	State	314	12-31-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260D		Water	Hexane
8260D		Water	n-Heptane
8270E	3511	Water	3 & 4 Methylphenol
8270E	3511	Water	4-Nitrophenol

Method Summary

Client: S&ME Inc
Project/Site: Lyon Park

Job ID: 752-36298-1

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
6020B	Metals (ICP/MS)	SW846	EET ATL
7470A	Mercury (CVAA)	SW846	EET ATL
350.1	Nitrogen, Ammonia	EPA	EET RAL
Nitrate by calc	Nitrogen, Nitrate-Nitrite	SM	EET RAL
SM 4500 SO4 E	Sulfate, Total	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: Lyon Park

Job ID: 752-36298-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
752-36298-1	A-MW-6	Water	08/27/25 13:35	08/28/25 10:15	North Carolina
752-36298-2	A-MW-7	Water	08/27/25 18:00	08/28/25 10:15	North Carolina
752-36298-3	A-MW-8	Water	08/27/25 16:55	08/28/25 10:15	North Carolina
752-36298-4	A-MW-9	Water	08/27/25 17:05	08/28/25 10:15	North Carolina
752-36298-5	MW-1	Water	08/27/25 12:00	08/28/25 10:15	North Carolina
752-36298-6	MW-2	Water	08/27/25 11:05	08/28/25 10:15	North Carolina
752-36298-7	MW-4	Water	08/27/25 15:15	08/28/25 10:15	North Carolina
752-36298-8	MW-5	Water	08/27/25 15:25	08/28/25 10:15	North Carolina
752-36298-9	Duplicate-2	Water	08/27/25 00:00	08/28/25 10:15	North Carolina
752-36298-10	Trip Blank	Water	08/27/25 00:00	08/28/25 10:15	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: Clay F.	Lab PM: Bechtold, Chad	Carrier Tracking No(s):	COC No: 680-169223-59654.2
Client Contact: Jerry Paul	Phone: 843-503-1042	E-Mail: Chad.Bechtold@et.eurofinsus.com	State of Origin:	Page: Page 2 of 2
Company: S&ME Inc	PWSID:			Job #:
Address: 3201 Spring Forest Road	Due Date Requested:			
City: Raleigh	TAT Requested (days):			
State, Zip: NC, 27516	Compliance Project: Δ Yes Δ No			
Phone: 919-872-2660(Tel) 919-876-3958(Fax)	PO #: 23050630, Phase BB			
Email: jpaul@smeinc.com	WO #:			
Project Name: Lyon Park	Project #: 68026680			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
N - None
S - H2SO4
D - HNO3
A - HCL

752-36298 COC

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9066A_ORGFM_28D - Sulfate	350.1 - Ammonia as N	6020B - PRLF 16 Metals, Including prep; 7470A -	8260D - VOC NC 02L List	8270E_SIM_MS_ID - 1,4-Dioxane	8270E_QQQ - SVOC TCL OLM4.2	353.2_Nitrite, Nitrate_Calc (48 hour HT)	353.2 - Nitrate+Nitrite	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	S	D	A	N	N	N	S		
A-MW-6	8/27/25	1335	G	W			1	1	1	1	1	1	1	1		
A-MW-7		1500					1	1	1	1	1	1	1	1		
A-MW-8		1655					1	1	1	1	1	1	1	1		
A-MW-9		1705					1	1	1	1	1	1	1	1		
MW-1		1200					1	1	1	1	1	1	1	1		
MW-2		1105					1	1	1	1	1	1	1	1		
MW-4		1515					1	1	1	1	1	1	1	1		
MW-5		1525					1	1	1	1	1	1	1	1		
Duplicate-2		—					1	1	1	1	1	1	1	1		
Trip Blank										1						

Initial Temperature: 2.8 °C 2.3
Correction Factor: -0.3°C
Corrected Temperature: 2.5 °C 2.0
Temp IR Gun: CRY-T-132
Initials: RY BR PG DW DO LB

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	☐ 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
	8/28/25 1015		PG	8/28/25 10:15	
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: 752-6460 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 #: 752-36298-1
Address: 3355 McLemore Drive, ,	Due Date Requested: 9/8/2025			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: Lyon Park	Project #: 68026680			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D/5030CVOC NC 02L List	8270E_QQQ/3511SVOC TCL OLM4.2	8270E_SIM_ID_DS/3510C_LVI1,4 Dioxane	SM4500_SO4_E	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
A-MW-6 (752-36298-1)	8/27/25	13 35 Eastern	G	Water			X	X	X	X	6	
A-MW-7 (752-36298-2)	8/27/25	18 00 Eastern	G	Water			X	X	X	X	6	
A-MW-8 (752-36298-3)	8/27/25	16 55 Eastern	G	Water			X	X	X	X	6	
A-MW-9 (752-36298-4)	8/27/25	17 05 Eastern	G	Water			X	X	X	X	6	
MW-1 (752-36298-5)	8/27/25	12:00 Eastern	G	Water			X	X	X	X	6	
MW-2 (752-36298-6)	8/27/25	11 05 Eastern	G	Water			X	X	X	X	6	
MW-4 (752-36298-7)	8/27/25	15 15 Eastern	G	Water			X	X	X	X	6	
MW-5 (752-36298-8)	8/27/25	15 25 Eastern	G	Water			X	X	X	X	6	
Duplicate-2 (752-36298-9)	8/27/25	Eastern	G	Water			X	X	X	X	6	

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: 08825 1700	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: 08/29/25 1003	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.5R 2.1R IR10

Ver 10/10/2024

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: 752-6460.2
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 #: 752-36298-1
Address: 3355 McLemore Drive, ,	Due Date Requested: 9/8/2025			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: Lyon Park	Project #: 68026680			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D/6030CVOC NC 02L List	8270E_QQQ/3511SVOC TCL OLM4.2	8270E_SIM_ID_D5/3510C_LVI1,4 Dioxane	SM4500_SO4_E	Total Number of Containers	Special Instructions/Note:
			Preservation Code:									
Trip Blank (752-36298-10)	8/27/25	Eastern	G	Water			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: 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: 082825 1700	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: 08/29/25 1003	Company

Custody Seals Intact: Δ Yes Δ 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: 752-6453.1
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 #: 752-36298-1
Address: 3080 Presidential Dr, ,	Due Date Requested: 9/8/2025			
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: Lyon Park	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:							
A-MW-6 (752-36298-1)	8/27/25	13:35 Eastern	G	Water			X	X	1	
A-MW-7 (752-36298-2)	8/27/25	18:00 Eastern	G	Water			X	X	1	
A-MW-8 (752-36298-3)	8/27/25	16:55 Eastern	G	Water			X	X	1	
A-MW-9 (752-36298-4)	8/27/25	17:05 Eastern	G	Water			X	X	1	
MW-1 (752-36298-5)	8/27/25	12:00 Eastern	G	Water			X	X	1	
MW-2 (752-36298-6)	8/27/25	11:05 Eastern	G	Water			X	X	1	
MW-4 (752-36298-7)	8/27/25	15:15 Eastern	G	Water			X	X	1	
MW-5 (752-36298-8)	8/27/25	15:25 Eastern	G	Water			X	X	1	
Duplicate-2 (752-36298-9)	8/27/25	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: 080825 700	Company	Received by:	Date/Time: 08/29/25 945	Company
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: 2.5/0.6 H2665

Login Sample Receipt Checklist

Client: S&ME Inc

Job Number: 752-36298-1

Login Number: 36298

List Source: Eurofins Raleigh

List Number: 1

Creator: Yonish, Rachel

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: 752-36298-1

Login Number: 36298
List Number: 2
Creator: Taylor, Renee

List Source: Eurofins Atlanta
List Creation: 08/29/25 10:58 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: 752-36298-1

Login Number: 36298
List Number: 3
Creator: Wilson, Derek A

List Source: Eurofins Pensacola
List Creation: 08/30/25 10:07 AM

Question	Answer	Comment	
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A		
The cooler's custody seal, if present, is intact.	True		
Sample custody seals, if present, are intact.	N/A		
The cooler or samples do not appear to have been compromised or tampered with.	True		
Samples were received on ice.	True		
Cooler Temperature is acceptable.	True		
Cooler Temperature is recorded.	True	0.5°C IR10	2.1°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		

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Analytical Report

9/29/2025
Mr. Logan Hester
S & ME, Inc.
3201 Spring Forest Road

Raleigh NC 27616

Project Name:
Project #: 23050630
Workorder #: 2509451A

Dear Mr. Logan Hester

The following report includes the data for the above referenced project for sample(s) received on 9/11/2025 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

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WORK ORDER #: 2509451A

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 #**	23050630
DATE RECEIVED:	09/11/2025	**CONTACT:**	Brian Whittaker
DATE COMPLETED:	09/29/2025		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	LFGP-7	TO-15	15.5 "Hg	2 psi
02A	LFGP-9	TO-15	9.5 "Hg	2 psi
03A	LFGP-8	TO-15	8.5 "Hg	2 psi
04A	LFGP-DUP	TO-15	9.5 "Hg	2 psi
05A	LFGP-10	TO-15	8.0 "Hg	2 psi
06A	LFGP-6	TO-15	2.0 "Hg	2 psi
07A	LFGP-2	TO-15	10 "Hg	1.9 psi
08A	LFGP-1	TO-15	12.8 "Hg	1.8 psi
09A	LFGP-3	TO-15	10.2 "Hg	1.9 psi
10A	LFGP-5	TO-15	9.6 "Hg	1.9 psi
11A	LFGP-4	TO-15	9.4 "Hg	1.9 psi
12A	Lab Blank	TO-15	NA	NA
13A	CCV	TO-15	NA	NA
14A	LCS	TO-15	NA	NA
14AA	LCSD	TO-15	NA	NA

CERTIFIED BY: Heidi Hayes DATE: 09/29/25

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# 2509451A

Eleven 6 Liter Summa Canister samples were received on September 11, 2025. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

Receiving Notes

The Chain of Custody (COC) information for sample LFGP-6 did not match the information on the canister with regard to canister identification. The sample labeled 6L24482 on the COC is labeled as 24482 on the canister. The client was notified of the discrepancy and the information on the canister was used to process and report the sample.

Sample LFGP-7 was received with significant vacuum remaining in the canister. The residual canister vacuum resulted in elevated reporting limits.

Analytical Notes

There were no analytical discrepancies.

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: LFGP-7

Lab ID#: 2509451A-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	12	14	28	33
2-Propanol	4.7	6.9	12	17
Carbon Disulfide	4.7	23	15	71
Hexane	1.2	1.2	4.1	4.4
Cyclohexane	1.2	4.6	4.0	16
2,2,4-Trimethylpentane	1.2	4.1	5.5	19
Benzene	1.2	2.9	3.8	9.3

Client Sample ID: LFGP-9

Lab ID#: 2509451A-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 113	0.83	0.99	6.4	7.6
2-Propanol	3.3	8.9	8.2	22

Client Sample ID: LFGP-8

Lab ID#: 2509451A-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	7.9	13	19	32
2-Propanol	3.2	12	7.8	29
Tetrachloroethene	0.79	10	5.4	68
1,3-Dichlorobenzene	0.79	0.88	4.8	5.3

Client Sample ID: LFGP-DUP

Lab ID#: 2509451A-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	8.3	20	20	47
2-Propanol	3.3	5.8	8.2	14
Carbon Disulfide	3.3	7.4	10	23
Tetrachloroethene	0.83	3.2	5.6	22

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

Client Sample ID: LFGP-DUP

Lab ID#: 2509451A-04A

m,p-Xylene	1.7	2.4	7.2	10
o-Xylene	0.83	0.92	3.6	4.0

Client Sample ID: LFGP-10

Lab ID#: 2509451A-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	7.8	51	18	120
2-Propanol	3.1	17	7.6	42
Chloroform	0.78	3.3	3.8	16

Client Sample ID: LFGP-6

Lab ID#: 2509451A-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.61	3.6	3.0	18
Carbon Disulfide	2.4	3.5	7.6	11
Hexane	0.61	2.4	2.1	8.4
Cyclohexane	0.61	4.4	2.1	15
2,2,4-Trimethylpentane	0.61	0.87	2.8	4.1
Benzene	0.61	9.8	1.9	31

Client Sample ID: LFGP-2

Lab ID#: 2509451A-07A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	8.4	10	20	24
2-Propanol	3.4	4.8	8.3	12

Client Sample ID: LFGP-1

Lab ID#: 2509451A-08A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	9.8	11	23	26

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

Client Sample ID: LFGP-1

Lab ID#: 2509451A-08A

2-Propanol	3.9	4.7	9.6	12
Tetrachloroethene	0.98	3.1	6.6	21
m,p-Xylene	2.0	2.5	8.5	11

Client Sample ID: LFGP-3

Lab ID#: 2509451A-09A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	8.6	23	20	56
2-Propanol	3.4	8.6	8.4	21
2-Butanone (Methyl Ethyl Ketone)	3.4	3.7	10	11

Client Sample ID: LFGP-5

Lab ID#: 2509451A-10A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	8.3	18	20	43
2-Propanol	3.3	5.5	8.2	14
Chloroform	0.83	2.1	4.0	10

Client Sample ID: LFGP-4

Lab ID#: 2509451A-11A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	8.2	15	19	35
2-Propanol	3.3	5.0	8.1	12
m,p-Xylene	1.6	1.8	7.1	8.0
o-Xylene	0.82	0.95	3.6	4.1

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Client Sample ID: LFGP-7

Lab ID#: 2509451A-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a092606**	**Date of Collection:**	**9/4/25 12:15:00 PM**
Dil. Factor:	**2.35**	**Date of Analysis:**	**9/26/25 03:26 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.2	Not Detected	5.8	Not Detected
Freon 114	1.2	Not Detected	8.2	Not Detected
Chloromethane	12	Not Detected	24	Not Detected
Vinyl Chloride	1.2	Not Detected	3.0	Not Detected
1,3-Butadiene	1.2	Not Detected	2.6	Not Detected
Bromomethane	12	Not Detected	46	Not Detected
Chloroethane	4.7	Not Detected	12	Not Detected
Freon 11	1.2	Not Detected	6.6	Not Detected
Ethanol	12	Not Detected	22	Not Detected
Freon 113	1.2	Not Detected	9.0	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Acetone	12	14	28	33
2-Propanol	4.7	6.9	12	17
Carbon Disulfide	4.7	23	15	71
3-Chloropropene	4.7	Not Detected	15	Not Detected
Methylene Chloride	12	Not Detected	41	Not Detected
Methyl tert-butyl ether	4.7	Not Detected	17	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Hexane	1.2	1.2	4.1	4.4
1,1-Dichloroethane	1.2	Not Detected	4.8	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.7	Not Detected	14	Not Detected
cis-1,2-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Tetrahydrofuran	1.2	Not Detected	3.5	Not Detected
Chloroform	1.2	Not Detected	5.7	Not Detected
1,1,1-Trichloroethane	1.2	Not Detected	6.4	Not Detected
Cyclohexane	1.2	4.6	4.0	16
Carbon Tetrachloride	1.2	Not Detected	7.4	Not Detected
2,2,4-Trimethylpentane	1.2	4.1	5.5	19
Benzene	1.2	2.9	3.8	9.3
1,2-Dichloroethane	1.2	Not Detected	4.8	Not Detected
Heptane	1.2	Not Detected	4.8	Not Detected
Trichloroethene	1.2	Not Detected	6.3	Not Detected
1,2-Dichloropropane	1.2	Not Detected	5.4	Not Detected
1,4-Dioxane	4.7	Not Detected	17	Not Detected
Bromodichloromethane	1.2	Not Detected	7.9	Not Detected
cis-1,3-Dichloropropene	1.2	Not Detected	5.3	Not Detected
4-Methyl-2-pentanone	1.2	Not Detected	4.8	Not Detected
Toluene	2.4	Not Detected	8.8	Not Detected
trans-1,3-Dichloropropene	1.2	Not Detected	5.3	Not Detected
1,1,2-Trichloroethane	1.2	Not Detected	6.4	Not Detected
Tetrachloroethene	1.2	Not Detected	8.0	Not Detected
2-Hexanone	4.7	Not Detected	19	Not Detected

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Client Sample ID: LFGP-7

Lab ID#: 2509451A-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a092606**	**Date of Collection: 9/4/25 12:15:00 PM**	
Dil. Factor:	**2.35**	**Date of Analysis: 9/26/25 03:26 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	9.0	Not Detected
Chlorobenzene	1.2	Not Detected	5.4	Not Detected
Ethyl Benzene	1.2	Not Detected	5.1	Not Detected
m,p-Xylene	2.4	Not Detected	10	Not Detected
o-Xylene	1.2	Not Detected	5.1	Not Detected
Styrene	1.2	Not Detected	5.0	Not Detected
Bromoform	1.2	Not Detected	12	Not Detected
Cumene	1.2	Not Detected	5.8	Not Detected
1,1,2,2-Tetrachloroethane	1.2	Not Detected	8.1	Not Detected
Propylbenzene	1.2	Not Detected	5.8	Not Detected
4-Ethyltoluene	1.2	Not Detected	5.8	Not Detected
1,3,5-Trimethylbenzene	1.2	Not Detected	5.8	Not Detected
1,2,4-Trimethylbenzene	1.2	Not Detected	5.8	Not Detected
1,3-Dichlorobenzene	1.2	Not Detected	7.1	Not Detected
1,4-Dichlorobenzene	1.2	Not Detected	7.1	Not Detected
alpha-Chlorotoluene	1.2	Not Detected	6.1	Not Detected
1,2-Dichlorobenzene	1.2	Not Detected	7.1	Not Detected
1,2,4-Trichlorobenzene	4.7	Not Detected	35	Not Detected
Hexachlorobutadiene	4.7	Not Detected	50	Not Detected
Naphthalene	2.4	Not Detected	12	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	105	70-130
4-Bromofluorobenzene	97	70-130

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Client Sample ID: LFGP-9

Lab ID#: 2509451A-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a092607**	**Date of Collection:**	**9/4/25 12:58:00 PM**
Dil. Factor:	**1.66**	**Date of Analysis:**	**9/26/25 04:03 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.83	Not Detected	4.1	Not Detected
Freon 114	0.83	Not Detected	5.8	Not Detected
Chloromethane	8.3	Not Detected	17	Not Detected
Vinyl Chloride	0.83	Not Detected	2.1	Not Detected
1,3-Butadiene	0.83	Not Detected	1.8	Not Detected
Bromomethane	8.3	Not Detected	32	Not Detected
Chloroethane	3.3	Not Detected	8.8	Not Detected
Freon 11	0.83	Not Detected	4.7	Not Detected
Ethanol	8.3	Not Detected	16	Not Detected
Freon 113	0.83	0.99	6.4	7.6
1,1-Dichloroethene	0.83	Not Detected	3.3	Not Detected
Acetone	8.3	Not Detected	20	Not Detected
2-Propanol	3.3	8.9	8.2	22
Carbon Disulfide	3.3	Not Detected	10	Not Detected
3-Chloropropene	3.3	Not Detected	10	Not Detected
Methylene Chloride	8.3	Not Detected	29	Not Detected
Methyl tert-butyl ether	3.3	Not Detected	12	Not Detected
trans-1,2-Dichloroethene	0.83	Not Detected	3.3	Not Detected
Hexane	0.83	Not Detected	2.9	Not Detected
1,1-Dichloroethane	0.83	Not Detected	3.4	Not Detected
2-Butanone (Methyl Ethyl Ketone)	3.3	Not Detected	9.8	Not Detected
cis-1,2-Dichloroethene	0.83	Not Detected	3.3	Not Detected
Tetrahydrofuran	0.83	Not Detected	2.4	Not Detected
Chloroform	0.83	Not Detected	4.0	Not Detected
1,1,1-Trichloroethane	0.83	Not Detected	4.5	Not Detected
Cyclohexane	0.83	Not Detected	2.8	Not Detected
Carbon Tetrachloride	0.83	Not Detected	5.2	Not Detected
2,2,4-Trimethylpentane	0.83	Not Detected	3.9	Not Detected
Benzene	0.83	Not Detected	2.6	Not Detected
1,2-Dichloroethane	0.83	Not Detected	3.4	Not Detected
Heptane	0.83	Not Detected	3.4	Not Detected
Trichloroethene	0.83	Not Detected	4.5	Not Detected
1,2-Dichloropropane	0.83	Not Detected	3.8	Not Detected
1,4-Dioxane	3.3	Not Detected	12	Not Detected
Bromodichloromethane	0.83	Not Detected	5.6	Not Detected
cis-1,3-Dichloropropene	0.83	Not Detected	3.8	Not Detected
4-Methyl-2-pentanone	0.83	Not Detected	3.4	Not Detected
Toluene	1.7	Not Detected	6.2	Not Detected
trans-1,3-Dichloropropene	0.83	Not Detected	3.8	Not Detected
1,1,2-Trichloroethane	0.83	Not Detected	4.5	Not Detected
Tetrachloroethene	0.83	Not Detected	5.6	Not Detected
2-Hexanone	3.3	Not Detected	14	Not Detected

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Client Sample ID: LFGP-9

Lab ID#: 2509451A-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a092607**	**Date of Collection: 9/4/25 12:58:00 PM**	
Dil. Factor:	**1.66**	**Date of Analysis: 9/26/25 04:03 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.83	Not Detected	7.1	Not Detected
1,2-Dibromoethane (EDB)	0.83	Not Detected	6.4	Not Detected
Chlorobenzene	0.83	Not Detected	3.8	Not Detected
Ethyl Benzene	0.83	Not Detected	3.6	Not Detected
m,p-Xylene	1.7	Not Detected	7.2	Not Detected
o-Xylene	0.83	Not Detected	3.6	Not Detected
Styrene	0.83	Not Detected	3.5	Not Detected
Bromoform	0.83	Not Detected	8.6	Not Detected
Cumene	0.83	Not Detected	4.1	Not Detected
1,1,2,2-Tetrachloroethane	0.83	Not Detected	5.7	Not Detected
Propylbenzene	0.83	Not Detected	4.1	Not Detected
4-Ethyltoluene	0.83	Not Detected	4.1	Not Detected
1,3,5-Trimethylbenzene	0.83	Not Detected	4.1	Not Detected
1,2,4-Trimethylbenzene	0.83	Not Detected	4.1	Not Detected
1,3-Dichlorobenzene	0.83	Not Detected	5.0	Not Detected
1,4-Dichlorobenzene	0.83	Not Detected	5.0	Not Detected
alpha-Chlorotoluene	0.83	Not Detected	4.3	Not Detected
1,2-Dichlorobenzene	0.83	Not Detected	5.0	Not Detected
1,2,4-Trichlorobenzene	3.3	Not Detected	25	Not Detected
Hexachlorobutadiene	3.3	Not Detected	35	Not Detected
Naphthalene	1.7	Not Detected	8.7	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	103	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: LFGP-8

Lab ID#: 2509451A-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a092608**	**Date of Collection:**	**9/4/25 1:20:00 PM**
Dil. Factor:	**1.58**	**Date of Analysis:**	**9/26/25 04:40 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.79	Not Detected	3.9	Not Detected
Freon 114	0.79	Not Detected	5.5	Not Detected
Chloromethane	7.9	Not Detected	16	Not Detected
Vinyl Chloride	0.79	Not Detected	2.0	Not Detected
1,3-Butadiene	0.79	Not Detected	1.7	Not Detected
Bromomethane	7.9	Not Detected	31	Not Detected
Chloroethane	3.2	Not Detected	8.3	Not Detected
Freon 11	0.79	Not Detected	4.4	Not Detected
Ethanol	7.9	Not Detected	15	Not Detected
Freon 113	0.79	Not Detected	6.0	Not Detected
1,1-Dichloroethene	0.79	Not Detected	3.1	Not Detected
Acetone	7.9	13	19	32
2-Propanol	3.2	12	7.8	29
Carbon Disulfide	3.2	Not Detected	9.8	Not Detected
3-Chloropropene	3.2	Not Detected	9.9	Not Detected
Methylene Chloride	7.9	Not Detected	27	Not Detected
Methyl tert-butyl ether	3.2	Not Detected	11	Not Detected
trans-1,2-Dichloroethene	0.79	Not Detected	3.1	Not Detected
Hexane	0.79	Not Detected	2.8	Not Detected
1,1-Dichloroethane	0.79	Not Detected	3.2	Not Detected
2-Butanone (Methyl Ethyl Ketone)	3.2	Not Detected	9.3	Not Detected
cis-1,2-Dichloroethene	0.79	Not Detected	3.1	Not Detected
Tetrahydrofuran	0.79	Not Detected	2.3	Not Detected
Chloroform	0.79	Not Detected	3.8	Not Detected
1,1,1-Trichloroethane	0.79	Not Detected	4.3	Not Detected
Cyclohexane	0.79	Not Detected	2.7	Not Detected
Carbon Tetrachloride	0.79	Not Detected	5.0	Not Detected
2,2,4-Trimethylpentane	0.79	Not Detected	3.7	Not Detected
Benzene	0.79	Not Detected	2.5	Not Detected
1,2-Dichloroethane	0.79	Not Detected	3.2	Not Detected
Heptane	0.79	Not Detected	3.2	Not Detected
Trichloroethene	0.79	Not Detected	4.2	Not Detected
1,2-Dichloropropane	0.79	Not Detected	3.6	Not Detected
1,4-Dioxane	3.2	Not Detected	11	Not Detected
Bromodichloromethane	0.79	Not Detected	5.3	Not Detected
cis-1,3-Dichloropropene	0.79	Not Detected	3.6	Not Detected
4-Methyl-2-pentanone	0.79	Not Detected	3.2	Not Detected
Toluene	1.6	Not Detected	6.0	Not Detected
trans-1,3-Dichloropropene	0.79	Not Detected	3.6	Not Detected
1,1,2-Trichloroethane	0.79	Not Detected	4.3	Not Detected
Tetrachloroethene	0.79	10	5.4	68
2-Hexanone	3.2	Not Detected	13	Not Detected

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Client Sample ID: LFGP-8

Lab ID#: 2509451A-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a092608**	**Date of Collection: 9/4/25 1:20:00 PM**	
Dil. Factor:	**1.58**	**Date of Analysis: 9/26/25 04:40 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.79	Not Detected	6.7	Not Detected
1,2-Dibromoethane (EDB)	0.79	Not Detected	6.1	Not Detected
Chlorobenzene	0.79	Not Detected	3.6	Not Detected
Ethyl Benzene	0.79	Not Detected	3.4	Not Detected
m,p-Xylene	1.6	Not Detected	6.9	Not Detected
o-Xylene	0.79	Not Detected	3.4	Not Detected
Styrene	0.79	Not Detected	3.4	Not Detected
Bromoform	0.79	Not Detected	8.2	Not Detected
Cumene	0.79	Not Detected	3.9	Not Detected
1,1,2,2-Tetrachloroethane	0.79	Not Detected	5.4	Not Detected
Propylbenzene	0.79	Not Detected	3.9	Not Detected
4-Ethyltoluene	0.79	Not Detected	3.9	Not Detected
1,3,5-Trimethylbenzene	0.79	Not Detected	3.9	Not Detected
1,2,4-Trimethylbenzene	0.79	Not Detected	3.9	Not Detected
1,3-Dichlorobenzene	0.79	0.88	4.8	5.3
1,4-Dichlorobenzene	0.79	Not Detected	4.8	Not Detected
alpha-Chlorotoluene	0.79	Not Detected	4.1	Not Detected
1,2-Dichlorobenzene	0.79	Not Detected	4.7	Not Detected
1,2,4-Trichlorobenzene	3.2	Not Detected	23	Not Detected
Hexachlorobutadiene	3.2	Not Detected	34	Not Detected
Naphthalene	1.6	Not Detected	8.3	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	95	70-130

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Client Sample ID: LFGP-DUP

Lab ID#: 2509451A-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a092609**	**Date of Collection:**	**9/3/25 3:15:00 PM**
Dil. Factor:	**1.66**	**Date of Analysis:**	**9/26/25 05:17 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.83	Not Detected	4.1	Not Detected
Freon 114	0.83	Not Detected	5.8	Not Detected
Chloromethane	8.3	Not Detected	17	Not Detected
Vinyl Chloride	0.83	Not Detected	2.1	Not Detected
1,3-Butadiene	0.83	Not Detected	1.8	Not Detected
Bromomethane	8.3	Not Detected	32	Not Detected
Chloroethane	3.3	Not Detected	8.8	Not Detected
Freon 11	0.83	Not Detected	4.7	Not Detected
Ethanol	8.3	Not Detected	16	Not Detected
Freon 113	0.83	Not Detected	6.4	Not Detected
1,1-Dichloroethene	0.83	Not Detected	3.3	Not Detected
Acetone	8.3	20	20	47
2-Propanol	3.3	5.8	8.2	14
Carbon Disulfide	3.3	7.4	10	23
3-Chloropropene	3.3	Not Detected	10	Not Detected
Methylene Chloride	8.3	Not Detected	29	Not Detected
Methyl tert-butyl ether	3.3	Not Detected	12	Not Detected
trans-1,2-Dichloroethene	0.83	Not Detected	3.3	Not Detected
Hexane	0.83	Not Detected	2.9	Not Detected
1,1-Dichloroethane	0.83	Not Detected	3.4	Not Detected
2-Butanone (Methyl Ethyl Ketone)	3.3	Not Detected	9.8	Not Detected
cis-1,2-Dichloroethene	0.83	Not Detected	3.3	Not Detected
Tetrahydrofuran	0.83	Not Detected	2.4	Not Detected
Chloroform	0.83	Not Detected	4.0	Not Detected
1,1,1-Trichloroethane	0.83	Not Detected	4.5	Not Detected
Cyclohexane	0.83	Not Detected	2.8	Not Detected
Carbon Tetrachloride	0.83	Not Detected	5.2	Not Detected
2,2,4-Trimethylpentane	0.83	Not Detected	3.9	Not Detected
Benzene	0.83	Not Detected	2.6	Not Detected
1,2-Dichloroethane	0.83	Not Detected	3.4	Not Detected
Heptane	0.83	Not Detected	3.4	Not Detected
Trichloroethene	0.83	Not Detected	4.5	Not Detected
1,2-Dichloropropane	0.83	Not Detected	3.8	Not Detected
1,4-Dioxane	3.3	Not Detected	12	Not Detected
Bromodichloromethane	0.83	Not Detected	5.6	Not Detected
cis-1,3-Dichloropropene	0.83	Not Detected	3.8	Not Detected
4-Methyl-2-pentanone	0.83	Not Detected	3.4	Not Detected
Toluene	1.7	Not Detected	6.2	Not Detected
trans-1,3-Dichloropropene	0.83	Not Detected	3.8	Not Detected
1,1,2-Trichloroethane	0.83	Not Detected	4.5	Not Detected
Tetrachloroethene	0.83	3.2	5.6	22
2-Hexanone	3.3	Not Detected	14	Not Detected

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Client Sample ID: LFGP-DUP

Lab ID#: 2509451A-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a092609**	**Date of Collection: 9/3/25 3:15:00 PM**	
Dil. Factor:	**1.66**	**Date of Analysis: 9/26/25 05:17 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.83	Not Detected	7.1	Not Detected
1,2-Dibromoethane (EDB)	0.83	Not Detected	6.4	Not Detected
Chlorobenzene	0.83	Not Detected	3.8	Not Detected
Ethyl Benzene	0.83	Not Detected	3.6	Not Detected
m,p-Xylene	1.7	2.4	7.2	10
o-Xylene	0.83	0.92	3.6	4.0
Styrene	0.83	Not Detected	3.5	Not Detected
Bromoform	0.83	Not Detected	8.6	Not Detected
Cumene	0.83	Not Detected	4.1	Not Detected
1,1,2,2-Tetrachloroethane	0.83	Not Detected	5.7	Not Detected
Propylbenzene	0.83	Not Detected	4.1	Not Detected
4-Ethyltoluene	0.83	Not Detected	4.1	Not Detected
1,3,5-Trimethylbenzene	0.83	Not Detected	4.1	Not Detected
1,2,4-Trimethylbenzene	0.83	Not Detected	4.1	Not Detected
1,3-Dichlorobenzene	0.83	Not Detected	5.0	Not Detected
1,4-Dichlorobenzene	0.83	Not Detected	5.0	Not Detected
alpha-Chlorotoluene	0.83	Not Detected	4.3	Not Detected
1,2-Dichlorobenzene	0.83	Not Detected	5.0	Not Detected
1,2,4-Trichlorobenzene	3.3	Not Detected	25	Not Detected
Hexachlorobutadiene	3.3	Not Detected	35	Not Detected
Naphthalene	1.7	Not Detected	8.7	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	107	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: LFGP-10

Lab ID#: 2509451A-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a092610**	**Date of Collection: 9/3/25 4:00:00 PM**	
Dil. Factor:	**1.55**	**Date of Analysis: 9/26/25 05:54 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.78	Not Detected	3.8	Not Detected
Freon 114	0.78	Not Detected	5.4	Not Detected
Chloromethane	7.8	Not Detected	16	Not Detected
Vinyl Chloride	0.78	Not Detected	2.0	Not Detected
1,3-Butadiene	0.78	Not Detected	1.7	Not Detected
Bromomethane	7.8	Not Detected	30	Not Detected
Chloroethane	3.1	Not Detected	8.2	Not Detected
Freon 11	0.78	Not Detected	4.4	Not Detected
Ethanol	7.8	Not Detected	15	Not Detected
Freon 113	0.78	Not Detected	5.9	Not Detected
1,1-Dichloroethene	0.78	Not Detected	3.1	Not Detected
Acetone	7.8	51	18	120
2-Propanol	3.1	17	7.6	42
Carbon Disulfide	3.1	Not Detected	9.6	Not Detected
3-Chloropropene	3.1	Not Detected	9.7	Not Detected
Methylene Chloride	7.8	Not Detected	27	Not Detected
Methyl tert-butyl ether	3.1	Not Detected	11	Not Detected
trans-1,2-Dichloroethene	0.78	Not Detected	3.1	Not Detected
Hexane	0.78	Not Detected	2.7	Not Detected
1,1-Dichloroethane	0.78	Not Detected	3.1	Not Detected
2-Butanone (Methyl Ethyl Ketone)	3.1	Not Detected	9.1	Not Detected
cis-1,2-Dichloroethene	0.78	Not Detected	3.1	Not Detected
Tetrahydrofuran	0.78	Not Detected	2.3	Not Detected
Chloroform	0.78	3.3	3.8	16
1,1,1-Trichloroethane	0.78	Not Detected	4.2	Not Detected
Cyclohexane	0.78	Not Detected	2.7	Not Detected
Carbon Tetrachloride	0.78	Not Detected	4.9	Not Detected
2,2,4-Trimethylpentane	0.78	Not Detected	3.6	Not Detected
Benzene	0.78	Not Detected	2.5	Not Detected
1,2-Dichloroethane	0.78	Not Detected	3.1	Not Detected
Heptane	0.78	Not Detected	3.2	Not Detected
Trichloroethene	0.78	Not Detected	4.2	Not Detected
1,2-Dichloropropane	0.78	Not Detected	3.6	Not Detected
1,4-Dioxane	3.1	Not Detected	11	Not Detected
Bromodichloromethane	0.78	Not Detected	5.2	Not Detected
cis-1,3-Dichloropropene	0.78	Not Detected	3.5	Not Detected
4-Methyl-2-pentanone	0.78	Not Detected	3.2	Not Detected
Toluene	1.6	Not Detected	5.8	Not Detected
trans-1,3-Dichloropropene	0.78	Not Detected	3.5	Not Detected
1,1,2-Trichloroethane	0.78	Not Detected	4.2	Not Detected
Tetrachloroethene	0.78	Not Detected	5.2	Not Detected
2-Hexanone	3.1	Not Detected	13	Not Detected

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Client Sample ID: LFGP-10

Lab ID#: 2509451A-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a092610**	**Date of Collection: 9/3/25 4:00:00 PM**	
Dil. Factor:	**1.55**	**Date of Analysis: 9/26/25 05:54 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.78	Not Detected	6.6	Not Detected
1,2-Dibromoethane (EDB)	0.78	Not Detected	6.0	Not Detected
Chlorobenzene	0.78	Not Detected	3.6	Not Detected
Ethyl Benzene	0.78	Not Detected	3.4	Not Detected
m,p-Xylene	1.6	Not Detected	6.7	Not Detected
o-Xylene	0.78	Not Detected	3.4	Not Detected
Styrene	0.78	Not Detected	3.3	Not Detected
Bromoform	0.78	Not Detected	8.0	Not Detected
Cumene	0.78	Not Detected	3.8	Not Detected
1,1,2,2-Tetrachloroethane	0.78	Not Detected	5.3	Not Detected
Propylbenzene	0.78	Not Detected	3.8	Not Detected
4-Ethyltoluene	0.78	Not Detected	3.8	Not Detected
1,3,5-Trimethylbenzene	0.78	Not Detected	3.8	Not Detected
1,2,4-Trimethylbenzene	0.78	Not Detected	3.8	Not Detected
1,3-Dichlorobenzene	0.78	Not Detected	4.6	Not Detected
1,4-Dichlorobenzene	0.78	Not Detected	4.6	Not Detected
alpha-Chlorotoluene	0.78	Not Detected	4.0	Not Detected
1,2-Dichlorobenzene	0.78	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	1.6	Not Detected	8.1	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	109	70-130
1,2-Dichloroethane-d4	105	70-130
4-Bromofluorobenzene	84	70-130

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Client Sample ID: LFGP-6

Lab ID#: 2509451A-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a092611**	**Date of Collection: 9/3/25 12:30:00 PM**	
Dil. Factor:	**1.22**	**Date of Analysis: 9/26/25 06:30 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.61	3.6	3.0	18
Freon 114	0.61	Not Detected	4.3	Not Detected
Chloromethane	6.1	Not Detected	12	Not Detected
Vinyl Chloride	0.61	Not Detected	1.6	Not Detected
1,3-Butadiene	0.61	Not Detected	1.3	Not Detected
Bromomethane	6.1	Not Detected	24	Not Detected
Chloroethane	2.4	Not Detected	6.4	Not Detected
Freon 11	0.61	Not Detected	3.4	Not Detected
Ethanol	6.1	Not Detected	11	Not Detected
Freon 113	0.61	Not Detected	4.7	Not Detected
1,1-Dichloroethene	0.61	Not Detected	2.4	Not Detected
Acetone	6.1	Not Detected	14	Not Detected
2-Propanol	2.4	Not Detected	6.0	Not Detected
Carbon Disulfide	2.4	3.5	7.6	11
3-Chloropropene	2.4	Not Detected	7.6	Not Detected
Methylene Chloride	6.1	Not Detected	21	Not Detected
Methyl tert-butyl ether	2.4	Not Detected	8.8	Not Detected
trans-1,2-Dichloroethene	0.61	Not Detected	2.4	Not Detected
Hexane	0.61	2.4	2.1	8.4
1,1-Dichloroethane	0.61	Not Detected	2.5	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.4	Not Detected	7.2	Not Detected
cis-1,2-Dichloroethene	0.61	Not Detected	2.4	Not Detected
Tetrahydrofuran	0.61	Not Detected	1.8	Not Detected
Chloroform	0.61	Not Detected	3.0	Not Detected
1,1,1-Trichloroethane	0.61	Not Detected	3.3	Not Detected
Cyclohexane	0.61	4.4	2.1	15
Carbon Tetrachloride	0.61	Not Detected	3.8	Not Detected
2,2,4-Trimethylpentane	0.61	0.87	2.8	4.1
Benzene	0.61	9.8	1.9	31
1,2-Dichloroethane	0.61	Not Detected	2.5	Not Detected
Heptane	0.61	Not Detected	2.5	Not Detected
Trichloroethene	0.61	Not Detected	3.3	Not Detected
1,2-Dichloropropane	0.61	Not Detected	2.8	Not Detected
1,4-Dioxane	2.4	Not Detected	8.8	Not Detected
Bromodichloromethane	0.61	Not Detected	4.1	Not Detected
cis-1,3-Dichloropropene	0.61	Not Detected	2.8	Not Detected
4-Methyl-2-pentanone	0.61	Not Detected	2.5	Not Detected
Toluene	1.2	Not Detected	4.6	Not Detected
trans-1,3-Dichloropropene	0.61	Not Detected	2.8	Not Detected
1,1,2-Trichloroethane	0.61	Not Detected	3.3	Not Detected
Tetrachloroethene	0.61	Not Detected	4.1	Not Detected
2-Hexanone	2.4	Not Detected	10	Not Detected

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Client Sample ID: LFGP-6

Lab ID#: 2509451A-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a092611**	**Date of Collection: 9/3/25 12:30:00 PM**	
Dil. Factor:	**1.22**	**Date of Analysis: 9/26/25 06:30 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.61	Not Detected	5.2	Not Detected
1,2-Dibromoethane (EDB)	0.61	Not Detected	4.7	Not Detected
Chlorobenzene	0.61	Not Detected	2.8	Not Detected
Ethyl Benzene	0.61	Not Detected	2.6	Not Detected
m,p-Xylene	1.2	Not Detected	5.3	Not Detected
o-Xylene	0.61	Not Detected	2.6	Not Detected
Styrene	0.61	Not Detected	2.6	Not Detected
Bromoform	0.61	Not Detected	6.3	Not Detected
Cumene	0.61	Not Detected	3.0	Not Detected
1,1,2,2-Tetrachloroethane	0.61	Not Detected	4.2	Not Detected
Propylbenzene	0.61	Not Detected	3.0	Not Detected
4-Ethyltoluene	0.61	Not Detected	3.0	Not Detected
1,3,5-Trimethylbenzene	0.61	Not Detected	3.0	Not Detected
1,2,4-Trimethylbenzene	0.61	Not Detected	3.0	Not Detected
1,3-Dichlorobenzene	0.61	Not Detected	3.7	Not Detected
1,4-Dichlorobenzene	0.61	Not Detected	3.7	Not Detected
alpha-Chlorotoluene	0.61	Not Detected	3.2	Not Detected
1,2-Dichlorobenzene	0.61	Not Detected	3.7	Not Detected
1,2,4-Trichlorobenzene	2.4	Not Detected	18	Not Detected
Hexachlorobutadiene	2.4	Not Detected	26	Not Detected
Naphthalene	1.2	Not Detected	6.4	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	109	70-130
4-Bromofluorobenzene	97	70-130

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Client Sample ID: LFGP-2

Lab ID#: 2509451A-07A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a092612**	**Date of Collection:**	**9/4/25 3:05:00 PM**
Dil. Factor:	**1.69**	**Date of Analysis:**	**9/26/25 07:07 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	10	20	24
2-Propanol	3.4	4.8	8.3	12
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	Not Detected	4.5	Not Detected
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	Not Detected	5.7	Not Detected
2-Hexanone	3.4	Not Detected	14	Not Detected

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Client Sample ID: LFGP-2

Lab ID#: 2509451A-07A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a092612**	**Date of Collection: 9/4/25 3:05:00 PM**	
Dil. Factor:	**1.69**	**Date of Analysis: 9/26/25 07:07 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	102	70-130
1,2-Dichloroethane-d4	99	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: LFGP-1

Lab ID#: 2509451A-08A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a092613**	**Date of Collection: 9/4/25 3:15:00 PM**	
Dil. Factor:	**1.96**	**Date of Analysis: 9/26/25 07:44 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.98	Not Detected	4.8	Not Detected
Freon 114	0.98	Not Detected	6.8	Not Detected
Chloromethane	9.8	Not Detected	20	Not Detected
Vinyl Chloride	0.98	Not Detected	2.5	Not Detected
1,3-Butadiene	0.98	Not Detected	2.2	Not Detected
Bromomethane	9.8	Not Detected	38	Not Detected
Chloroethane	3.9	Not Detected	10	Not Detected
Freon 11	0.98	Not Detected	5.5	Not Detected
Ethanol	9.8	Not Detected	18	Not Detected
Freon 113	0.98	Not Detected	7.5	Not Detected
1,1-Dichloroethene	0.98	Not Detected	3.9	Not Detected
Acetone	9.8	11	23	26
2-Propanol	3.9	4.7	9.6	12
Carbon Disulfide	3.9	Not Detected	12	Not Detected
3-Chloropropene	3.9	Not Detected	12	Not Detected
Methylene Chloride	9.8	Not Detected	34	Not Detected
Methyl tert-butyl ether	3.9	Not Detected	14	Not Detected
trans-1,2-Dichloroethene	0.98	Not Detected	3.9	Not Detected
Hexane	0.98	Not Detected	3.4	Not Detected
1,1-Dichloroethane	0.98	Not Detected	4.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	3.9	Not Detected	12	Not Detected
cis-1,2-Dichloroethene	0.98	Not Detected	3.9	Not Detected
Tetrahydrofuran	0.98	Not Detected	2.9	Not Detected
Chloroform	0.98	Not Detected	4.8	Not Detected
1,1,1-Trichloroethane	0.98	Not Detected	5.3	Not Detected
Cyclohexane	0.98	Not Detected	3.4	Not Detected
Carbon Tetrachloride	0.98	Not Detected	6.2	Not Detected
2,2,4-Trimethylpentane	0.98	Not Detected	4.6	Not Detected
Benzene	0.98	Not Detected	3.1	Not Detected
1,2-Dichloroethane	0.98	Not Detected	4.0	Not Detected
Heptane	0.98	Not Detected	4.0	Not Detected
Trichloroethene	0.98	Not Detected	5.3	Not Detected
1,2-Dichloropropane	0.98	Not Detected	4.5	Not Detected
1,4-Dioxane	3.9	Not Detected	14	Not Detected
Bromodichloromethane	0.98	Not Detected	6.6	Not Detected
cis-1,3-Dichloropropene	0.98	Not Detected	4.4	Not Detected
4-Methyl-2-pentanone	0.98	Not Detected	4.0	Not Detected
Toluene	2.0	Not Detected	7.4	Not Detected
trans-1,3-Dichloropropene	0.98	Not Detected	4.4	Not Detected
1,1,2-Trichloroethane	0.98	Not Detected	5.3	Not Detected
Tetrachloroethene	0.98	3.1	6.6	21
2-Hexanone	3.9	Not Detected	16	Not Detected

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Client Sample ID: LFGP-1

Lab ID#: 2509451A-08A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a092613**	**Date of Collection: 9/4/25 3:15:00 PM**	
Dil. Factor:	**1.96**	**Date of Analysis: 9/26/25 07:44 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.98	Not Detected	8.3	Not Detected
1,2-Dibromoethane (EDB)	0.98	Not Detected	7.5	Not Detected
Chlorobenzene	0.98	Not Detected	4.5	Not Detected
Ethyl Benzene	0.98	Not Detected	4.2	Not Detected
m,p-Xylene	2.0	2.5	8.5	11
o-Xylene	0.98	Not Detected	4.2	Not Detected
Styrene	0.98	Not Detected	4.2	Not Detected
Bromoform	0.98	Not Detected	10	Not Detected
Cumene	0.98	Not Detected	4.8	Not Detected
1,1,2,2-Tetrachloroethane	0.98	Not Detected	6.7	Not Detected
Propylbenzene	0.98	Not Detected	4.8	Not Detected
4-Ethyltoluene	0.98	Not Detected	4.8	Not Detected
1,3,5-Trimethylbenzene	0.98	Not Detected	4.8	Not Detected
1,2,4-Trimethylbenzene	0.98	Not Detected	4.8	Not Detected
1,3-Dichlorobenzene	0.98	Not Detected	5.9	Not Detected
1,4-Dichlorobenzene	0.98	Not Detected	5.9	Not Detected
alpha-Chlorotoluene	0.98	Not Detected	5.1	Not Detected
1,2-Dichlorobenzene	0.98	Not Detected	5.9	Not Detected
1,2,4-Trichlorobenzene	3.9	Not Detected	29	Not Detected
Hexachlorobutadiene	3.9	Not Detected	42	Not Detected
Naphthalene	2.0	Not Detected	10	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	105	70-130
4-Bromofluorobenzene	95	70-130

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Client Sample ID: LFGP-3

Lab ID#: 2509451A-09A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a092614**	**Date of Collection:**	**9/4/25 2:45:00 PM**
Dil. Factor:	**1.71**	**Date of Analysis:**	**9/26/25 08:21 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.86	Not Detected	4.2	Not Detected
Freon 114	0.86	Not Detected	6.0	Not Detected
Chloromethane	8.6	Not Detected	18	Not Detected
Vinyl Chloride	0.86	Not Detected	2.2	Not Detected
1,3-Butadiene	0.86	Not Detected	1.9	Not Detected
Bromomethane	8.6	Not Detected	33	Not Detected
Chloroethane	3.4	Not Detected	9.0	Not Detected
Freon 11	0.86	Not Detected	4.8	Not Detected
Ethanol	8.6	Not Detected	16	Not Detected
Freon 113	0.86	Not Detected	6.6	Not Detected
1,1-Dichloroethene	0.86	Not Detected	3.4	Not Detected
Acetone	8.6	23	20	56
2-Propanol	3.4	8.6	8.4	21
Carbon Disulfide	3.4	Not Detected	11	Not Detected
3-Chloropropene	3.4	Not Detected	11	Not Detected
Methylene Chloride	8.6	Not Detected	30	Not Detected
Methyl tert-butyl ether	3.4	Not Detected	12	Not Detected
trans-1,2-Dichloroethene	0.86	Not Detected	3.4	Not Detected
Hexane	0.86	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.86	Not Detected	3.5	Not Detected
2-Butanone (Methyl Ethyl Ketone)	3.4	3.7	10	11
cis-1,2-Dichloroethene	0.86	Not Detected	3.4	Not Detected
Tetrahydrofuran	0.86	Not Detected	2.5	Not Detected
Chloroform	0.86	Not Detected	4.2	Not Detected
1,1,1-Trichloroethane	0.86	Not Detected	4.7	Not Detected
Cyclohexane	0.86	Not Detected	2.9	Not Detected
Carbon Tetrachloride	0.86	Not Detected	5.4	Not Detected
2,2,4-Trimethylpentane	0.86	Not Detected	4.0	Not Detected
Benzene	0.86	Not Detected	2.7	Not Detected
1,2-Dichloroethane	0.86	Not Detected	3.5	Not Detected
Heptane	0.86	Not Detected	3.5	Not Detected
Trichloroethene	0.86	Not Detected	4.6	Not Detected
1,2-Dichloropropane	0.86	Not Detected	4.0	Not Detected
1,4-Dioxane	3.4	Not Detected	12	Not Detected
Bromodichloromethane	0.86	Not Detected	5.7	Not Detected
cis-1,3-Dichloropropene	0.86	Not Detected	3.9	Not Detected
4-Methyl-2-pentanone	0.86	Not Detected	3.5	Not Detected
Toluene	1.7	Not Detected	6.4	Not Detected
trans-1,3-Dichloropropene	0.86	Not Detected	3.9	Not Detected
1,1,2-Trichloroethane	0.86	Not Detected	4.7	Not Detected
Tetrachloroethene	0.86	Not Detected	5.8	Not Detected
2-Hexanone	3.4	Not Detected	14	Not Detected

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Client Sample ID: LFGP-3

Lab ID#: 2509451A-09A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a092614**	**Date of Collection: 9/4/25 2:45:00 PM**	
Dil. Factor:	**1.71**	**Date of Analysis: 9/26/25 08:21 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.86	Not Detected	7.3	Not Detected
1,2-Dibromoethane (EDB)	0.86	Not Detected	6.6	Not Detected
Chlorobenzene	0.86	Not Detected	3.9	Not Detected
Ethyl Benzene	0.86	Not Detected	3.7	Not Detected
m,p-Xylene	1.7	Not Detected	7.4	Not Detected
o-Xylene	0.86	Not Detected	3.7	Not Detected
Styrene	0.86	Not Detected	3.6	Not Detected
Bromoform	0.86	Not Detected	8.8	Not Detected
Cumene	0.86	Not Detected	4.2	Not Detected
1,1,2,2-Tetrachloroethane	0.86	Not Detected	5.9	Not Detected
Propylbenzene	0.86	Not Detected	4.2	Not Detected
4-Ethyltoluene	0.86	Not Detected	4.2	Not Detected
1,3,5-Trimethylbenzene	0.86	Not Detected	4.2	Not Detected
1,2,4-Trimethylbenzene	0.86	Not Detected	4.2	Not Detected
1,3-Dichlorobenzene	0.86	Not Detected	5.1	Not Detected
1,4-Dichlorobenzene	0.86	Not Detected	5.1	Not Detected
alpha-Chlorotoluene	0.86	Not Detected	4.4	Not Detected
1,2-Dichlorobenzene	0.86	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	9.0	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	104	70-130
4-Bromofluorobenzene	94	70-130

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Client Sample ID: LFGP-5

Lab ID#: 2509451A-10A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a092615**	**Date of Collection: 9/4/25 2:00:00 PM**	
Dil. Factor:	**1.66**	**Date of Analysis: 9/26/25 08:58 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.83	Not Detected	4.1	Not Detected
Freon 114	0.83	Not Detected	5.8	Not Detected
Chloromethane	8.3	Not Detected	17	Not Detected
Vinyl Chloride	0.83	Not Detected	2.1	Not Detected
1,3-Butadiene	0.83	Not Detected	1.8	Not Detected
Bromomethane	8.3	Not Detected	32	Not Detected
Chloroethane	3.3	Not Detected	8.8	Not Detected
Freon 11	0.83	Not Detected	4.7	Not Detected
Ethanol	8.3	Not Detected	16	Not Detected
Freon 113	0.83	Not Detected	6.4	Not Detected
1,1-Dichloroethene	0.83	Not Detected	3.3	Not Detected
Acetone	8.3	18	20	43
2-Propanol	3.3	5.5	8.2	14
Carbon Disulfide	3.3	Not Detected	10	Not Detected
3-Chloropropene	3.3	Not Detected	10	Not Detected
Methylene Chloride	8.3	Not Detected	29	Not Detected
Methyl tert-butyl ether	3.3	Not Detected	12	Not Detected
trans-1,2-Dichloroethene	0.83	Not Detected	3.3	Not Detected
Hexane	0.83	Not Detected	2.9	Not Detected
1,1-Dichloroethane	0.83	Not Detected	3.4	Not Detected
2-Butanone (Methyl Ethyl Ketone)	3.3	Not Detected	9.8	Not Detected
cis-1,2-Dichloroethene	0.83	Not Detected	3.3	Not Detected
Tetrahydrofuran	0.83	Not Detected	2.4	Not Detected
Chloroform	0.83	2.1	4.0	10
1,1,1-Trichloroethane	0.83	Not Detected	4.5	Not Detected
Cyclohexane	0.83	Not Detected	2.8	Not Detected
Carbon Tetrachloride	0.83	Not Detected	5.2	Not Detected
2,2,4-Trimethylpentane	0.83	Not Detected	3.9	Not Detected
Benzene	0.83	Not Detected	2.6	Not Detected
1,2-Dichloroethane	0.83	Not Detected	3.4	Not Detected
Heptane	0.83	Not Detected	3.4	Not Detected
Trichloroethene	0.83	Not Detected	4.5	Not Detected
1,2-Dichloropropane	0.83	Not Detected	3.8	Not Detected
1,4-Dioxane	3.3	Not Detected	12	Not Detected
Bromodichloromethane	0.83	Not Detected	5.6	Not Detected
cis-1,3-Dichloropropene	0.83	Not Detected	3.8	Not Detected
4-Methyl-2-pentanone	0.83	Not Detected	3.4	Not Detected
Toluene	1.7	Not Detected	6.2	Not Detected
trans-1,3-Dichloropropene	0.83	Not Detected	3.8	Not Detected
1,1,2-Trichloroethane	0.83	Not Detected	4.5	Not Detected
Tetrachloroethene	0.83	Not Detected	5.6	Not Detected
2-Hexanone	3.3	Not Detected	14	Not Detected

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Client Sample ID: LFGP-5

Lab ID#: 2509451A-10A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a092615**	**Date of Collection:**	**9/4/25 2:00:00 PM**
Dil. Factor:	**1.66**	**Date of Analysis:**	**9/26/25 08:58 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.83	Not Detected	7.1	Not Detected
1,2-Dibromoethane (EDB)	0.83	Not Detected	6.4	Not Detected
Chlorobenzene	0.83	Not Detected	3.8	Not Detected
Ethyl Benzene	0.83	Not Detected	3.6	Not Detected
m,p-Xylene	1.7	Not Detected	7.2	Not Detected
o-Xylene	0.83	Not Detected	3.6	Not Detected
Styrene	0.83	Not Detected	3.5	Not Detected
Bromoform	0.83	Not Detected	8.6	Not Detected
Cumene	0.83	Not Detected	4.1	Not Detected
1,1,2,2-Tetrachloroethane	0.83	Not Detected	5.7	Not Detected
Propylbenzene	0.83	Not Detected	4.1	Not Detected
4-Ethyltoluene	0.83	Not Detected	4.1	Not Detected
1,3,5-Trimethylbenzene	0.83	Not Detected	4.1	Not Detected
1,2,4-Trimethylbenzene	0.83	Not Detected	4.1	Not Detected
1,3-Dichlorobenzene	0.83	Not Detected	5.0	Not Detected
1,4-Dichlorobenzene	0.83	Not Detected	5.0	Not Detected
alpha-Chlorotoluene	0.83	Not Detected	4.3	Not Detected
1,2-Dichlorobenzene	0.83	Not Detected	5.0	Not Detected
1,2,4-Trichlorobenzene	3.3	Not Detected	25	Not Detected
Hexachlorobutadiene	3.3	Not Detected	35	Not Detected
Naphthalene	1.7	Not Detected	8.7	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	101	70-130

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Client Sample ID: LFGP-4

Lab ID#: 2509451A-11A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a092616**	**Date of Collection:**	**9/4/25 2:37:00 PM**
Dil. Factor:	**1.64**	**Date of Analysis:**	**9/26/25 09:35 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	15	19	35
2-Propanol	3.3	5.0	8.1	12
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	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	13	Not Detected

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Client Sample ID: LFGP-4

Lab ID#: 2509451A-11A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a092616**	**Date of Collection: 9/4/25 2:37:00 PM**	
Dil. Factor:	**1.64**	**Date of Analysis: 9/26/25 09:35 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	1.8	7.1	8.0
o-Xylene	0.82	0.95	3.6	4.1
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	95	70-130
1,2-Dichloroethane-d4	106	70-130
4-Bromofluorobenzene	95	70-130

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Client Sample ID: Lab Blank

Lab ID#: 2509451A-12A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a092605**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/26/25 12:35 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#: 2509451A-12A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a092605**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/26/25 12:35 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	101	70-130
1,2-Dichloroethane-d4	103	70-130
4-Bromofluorobenzene	94	70-130

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Client Sample ID: CCV

Lab ID#: 2509451A-13A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a092602**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 9/26/25 10:51 AM**

Compound	%Recovery
Freon 12	98
Freon 114	98
Chloromethane	94
Vinyl Chloride	96
1,3-Butadiene	88
Bromomethane	109
Chloroethane	99
Freon 11	98
Ethanol	118
Freon 113	100
1,1-Dichloroethene	103
Acetone	100
2-Propanol	114
Carbon Disulfide	101
3-Chloropropene	100
Methylene Chloride	111
Methyl tert-butyl ether	97
trans-1,2-Dichloroethene	105
Hexane	109
1,1-Dichloroethane	108
2-Butanone (Methyl Ethyl Ketone)	103
cis-1,2-Dichloroethene	105
Tetrahydrofuran	122
Chloroform	104
1,1,1-Trichloroethane	100
Cyclohexane	101
Carbon Tetrachloride	98
2,2,4-Trimethylpentane	120
Benzene	106
1,2-Dichloroethane	104
Heptane	103
Trichloroethene	104
1,2-Dichloropropane	108
1,4-Dioxane	121
Bromodichloromethane	105
cis-1,3-Dichloropropene	101
4-Methyl-2-pentanone	105
Toluene	105
trans-1,3-Dichloropropene	98
1,1,2-Trichloroethane	102
Tetrachloroethene	99
2-Hexanone	102

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Client Sample ID: CCV

Lab ID#: 2509451A-13A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a092602**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/26/25 10:51 AM**	

Compound	%Recovery
Dibromochloromethane	104
1,2-Dibromoethane (EDB)	104
Chlorobenzene	101
Ethyl Benzene	102
m,p-Xylene	101
o-Xylene	101
Styrene	102
Bromoform	103
Cumene	102
1,1,2,2-Tetrachloroethane	104
Propylbenzene	103
4-Ethyltoluene	102
1,3,5-Trimethylbenzene	101
1,2,4-Trimethylbenzene	102
1,3-Dichlorobenzene	102
1,4-Dichlorobenzene	100
alpha-Chlorotoluene	99
1,2-Dichlorobenzene	102
1,2,4-Trichlorobenzene	92
Hexachlorobutadiene	88
Naphthalene	85

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130
1,2-Dichloroethane-d4	103	70-130
4-Bromofluorobenzene	97	70-130

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Client Sample ID: LCS

Lab ID#: 2509451A-14A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a092603**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/26/25 11:24 AM**	

Compound	%Recovery	Method Limits
Freon 12	101	70-130
Freon 114	97	70-130
Chloromethane	120	70-130
Vinyl Chloride	107	70-130
1,3-Butadiene	101	70-130
Bromomethane	115	70-130
Chloroethane	101	70-130
Freon 11	96	70-130
Ethanol	117	70-130
Freon 113	94	70-130
1,1-Dichloroethene	93	70-130
Acetone	94	70-130
2-Propanol	119	70-130
Carbon Disulfide	96	70-130
3-Chloropropene	96	70-130
Methylene Chloride	105	70-130
Methyl tert-butyl ether	92	70-130
trans-1,2-Dichloroethene	100	70-130
Hexane	100	70-130
1,1-Dichloroethane	100	70-130
2-Butanone (Methyl Ethyl Ketone)	96	70-130
cis-1,2-Dichloroethene	98	70-130
Tetrahydrofuran	112	70-130
Chloroform	94	70-130
1,1,1-Trichloroethane	97	70-130
Cyclohexane	96	70-130
Carbon Tetrachloride	95	70-130
2,2,4-Trimethylpentane	110	70-130
Benzene	102	70-130
1,2-Dichloroethane	100	70-130
Heptane	98	70-130
Trichloroethene	98	70-130
1,2-Dichloropropane	103	70-130
1,4-Dioxane	106	70-130
Bromodichloromethane	100	70-130
cis-1,3-Dichloropropene	99	70-130
4-Methyl-2-pentanone	100	70-130
Toluene	100	70-130
trans-1,3-Dichloropropene	98	70-130
1,1,2-Trichloroethane	102	70-130
Tetrachloroethene	97	70-130
2-Hexanone	97	70-130

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Client Sample ID: LCS

Lab ID#: 2509451A-14A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a092603**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/26/25 11:24 AM**	

Compound	%Recovery	Method Limits
Dibromochloromethane	101	70-130
1,2-Dibromoethane (EDB)	101	70-130
Chlorobenzene	100	70-130
Ethyl Benzene	103	70-130
m,p-Xylene	101	70-130
o-Xylene	99	70-130
Styrene	101	70-130
Bromoform	102	70-130
Cumene	98	70-130
1,1,2,2-Tetrachloroethane	102	70-130
Propylbenzene	99	70-130
4-Ethyltoluene	99	70-130
1,3,5-Trimethylbenzene	99	70-130
1,2,4-Trimethylbenzene	101	70-130
1,3-Dichlorobenzene	100	70-130
1,4-Dichlorobenzene	97	70-130
alpha-Chlorotoluene	98	70-130
1,2-Dichlorobenzene	98	70-130
1,2,4-Trichlorobenzene	99	70-130
Hexachlorobutadiene	95	70-130
Naphthalene	82	60-140

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: LCSD

Lab ID#: 2509451A-14AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a092604**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/26/25 11:58 AM**	

Compound	%Recovery	Method Limits
Freon 12	98	70-130
Freon 114	96	70-130
Chloromethane	115	70-130
Vinyl Chloride	105	70-130
1,3-Butadiene	100	70-130
Bromomethane	109	70-130
Chloroethane	100	70-130
Freon 11	95	70-130
Ethanol	119	70-130
Freon 113	94	70-130
1,1-Dichloroethene	93	70-130
Acetone	94	70-130
2-Propanol	120	70-130
Carbon Disulfide	95	70-130
3-Chloropropene	95	70-130
Methylene Chloride	103	70-130
Methyl tert-butyl ether	93	70-130
trans-1,2-Dichloroethene	98	70-130
Hexane	99	70-130
1,1-Dichloroethane	99	70-130
2-Butanone (Methyl Ethyl Ketone)	96	70-130
cis-1,2-Dichloroethene	97	70-130
Tetrahydrofuran	111	70-130
Chloroform	94	70-130
1,1,1-Trichloroethane	97	70-130
Cyclohexane	96	70-130
Carbon Tetrachloride	94	70-130
2,2,4-Trimethylpentane	108	70-130
Benzene	102	70-130
1,2-Dichloroethane	100	70-130
Heptane	99	70-130
Trichloroethene	99	70-130
1,2-Dichloropropane	102	70-130
1,4-Dioxane	108	70-130
Bromodichloromethane	100	70-130
cis-1,3-Dichloropropene	100	70-130
4-Methyl-2-pentanone	100	70-130
Toluene	99	70-130
trans-1,3-Dichloropropene	99	70-130
1,1,2-Trichloroethane	102	70-130
Tetrachloroethene	97	70-130
2-Hexanone	98	70-130

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Client Sample ID: LCSD

Lab ID#: 2509451A-14AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a092604**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/26/25 11:58 AM**	

Compound	%Recovery	Method Limits
Dibromochloromethane	101	70-130
1,2-Dibromoethane (EDB)	101	70-130
Chlorobenzene	100	70-130
Ethyl Benzene	103	70-130
m,p-Xylene	101	70-130
o-Xylene	99	70-130
Styrene	102	70-130
Bromoform	102	70-130
Cumene	99	70-130
1,1,2,2-Tetrachloroethane	103	70-130
Propylbenzene	100	70-130
4-Ethyltoluene	100	70-130
1,3,5-Trimethylbenzene	99	70-130
1,2,4-Trimethylbenzene	101	70-130
1,3-Dichlorobenzene	99	70-130
1,4-Dichlorobenzene	98	70-130
alpha-Chlorotoluene	100	70-130
1,2-Dichlorobenzene	99	70-130
1,2,4-Trichlorobenzene	102	70-130
Hexachlorobutadiene	98	70-130
Naphthalene	86	60-140

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	101	70-130
4-Bromofluorobenzene	99	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

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Analytical Report

9/25/2025
Mr. Logan Hester
S & ME, Inc.
3201 Spring Forest Road

Raleigh NC 27616

Project Name:
Project #: 23050630
Workorder #: 2509451B

Dear Mr. Logan Hester

The following report includes the data for the above referenced project for sample(s) received on 9/11/2025 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 #: 2509451B

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 #**	23050630
DATE RECEIVED:	09/11/2025	**CONTACT:**	Brian Whittaker
DATE COMPLETED:	09/25/2025		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	LFGP-7	Modified ASTM D-1946	15.5 "Hg	2 psi
02A	LFGP-9	Modified ASTM D-1946	9.5 "Hg	2 psi
03A	LFGP-8	Modified ASTM D-1946	8.5 "Hg	2 psi
04A	LFGP-DUP	Modified ASTM D-1946	9.5 "Hg	2 psi
05A	LFGP-10	Modified ASTM D-1946	8.0 "Hg	2 psi
06A	LFGP-6	Modified ASTM D-1946	2.0 "Hg	2 psi
07A	LFGP-2	Modified ASTM D-1946	10 "Hg	1.9 psi
08A	LFGP-1	Modified ASTM D-1946	12.8 "Hg	1.8 psi
09A	LFGP-3	Modified ASTM D-1946	10.2 "Hg	1.9 psi
10A	LFGP-5	Modified ASTM D-1946	9.6 "Hg	1.9 psi
11A	LFGP-4	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: 09/25/25

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# 2509451B

Eleven 6 Liter Summa Canister samples were received on September 11, 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

The Chain of Custody (COC) information for sample LFGP-6 did not match the information on the canister with regard to canister identification. The sample labeled 6L24482 on the COC is labeled as 24482 on the canister. The client was notified of the discrepancy and the information on the canister was used to process and report the sample.

The Chain of Custody contained incorrect method information. The laboratory proceeded with the analysis as per the original contract or verbal agreement.

Sample LFGP-7 was received with significant vacuum remaining in the canister. The residual canister vacuum resulted in elevated reporting limits.

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: LFGP-7

Lab ID#: 2509451B-01A

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00024	0.50

Client Sample ID: LFGP-9

Lab ID#: 2509451B-02A

No Detections Were Found.

Client Sample ID: LFGP-8

Lab ID#: 2509451B-03A

No Detections Were Found.

Client Sample ID: LFGP-DUP

Lab ID#: 2509451B-04A

No Detections Were Found.

Client Sample ID: LFGP-10

Lab ID#: 2509451B-05A

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00016	0.0022

Client Sample ID: LFGP-6

Lab ID#: 2509451B-06A

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00012	0.45

Client Sample ID: LFGP-2

Lab ID#: 2509451B-07A

No Detections Were Found.

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

Client Sample ID: LFGP-1

Lab ID#: 2509451B-08A

No Detections Were Found.

Client Sample ID: LFGP-3

Lab ID#: 2509451B-09A

No Detections Were Found.

Client Sample ID: LFGP-5

Lab ID#: 2509451B-10A

No Detections Were Found.

Client Sample ID: LFGP-4

Lab ID#: 2509451B-11A

No Detections Were Found.

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Client Sample ID: LFGP-7

Lab ID#: 2509451B-01A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092414**	**Date of Collection: 9/4/25 12:15:00 PM**	
Dil. Factor:	**2.35**	**Date of Analysis: 9/24/25 05:17 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00024	0.50

Container Type: 6 Liter Summa Canister

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Client Sample ID: LFGP-9

Lab ID#: 2509451B-02A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092415**	**Date of Collection: 9/4/25 12:58:00 PM**	
Dil. Factor:	**1.66**	**Date of Analysis: 9/24/25 05:48 PM**	

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

Container Type: 6 Liter Summa Canister

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Client Sample ID: LFGP-8

Lab ID#: 2509451B-03A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092416**	**Date of Collection: 9/4/25 1:20:00 PM**	
Dil. Factor:	**1.59**	**Date of Analysis: 9/24/25 06:35 PM**	

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

Container Type: 6 Liter Summa Canister

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Client Sample ID: LFGP-DUP

Lab ID#: 2509451B-04A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092417**	**Date of Collection: 9/3/25 3:15:00 PM**	
Dil. Factor:	**1.66**	**Date of Analysis: 9/24/25 06:58 PM**	

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

Container Type: 6 Liter Summa Canister

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Client Sample ID: LFGP-10

Lab ID#: 2509451B-05A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092418**	**Date of Collection: 9/3/25 4:00:00 PM**	
Dil. Factor:	**1.55**	**Date of Analysis: 9/24/25 07:28 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00016	0.0022

Container Type: 6 Liter Summa Canister

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Client Sample ID: LFGP-6

Lab ID#: 2509451B-06A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092419**	**Date of Collection: 9/3/25 12:30:00 PM**	
Dil. Factor:	**1.22**	**Date of Analysis: 9/24/25 08:00 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00012	0.45

Container Type: 6 Liter Summa Canister

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Client Sample ID: LFGP-2

Lab ID#: 2509451B-07A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092420**	**Date of Collection: 9/4/25 3:05:00 PM**	
Dil. Factor:	**1.69**	**Date of Analysis: 9/24/25 08:23 PM**	

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

Container Type: 6 Liter Summa Canister

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Client Sample ID: LFGP-1

Lab ID#: 2509451B-08A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092421**	**Date of Collection: 9/4/25 3:15:00 PM**	
Dil. Factor:	**1.96**	**Date of Analysis: 9/24/25 08:48 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00020	Not Detected

Container Type: 6 Liter Summa Canister

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Client Sample ID: LFGP-3

Lab ID#: 2509451B-09A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092422**	**Date of Collection: 9/4/25 2:45:00 PM**	
Dil. Factor:	**1.71**	**Date of Analysis: 9/24/25 09:12 PM**	

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

Container Type: 6 Liter Summa Canister

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Client Sample ID: LFGP-5

Lab ID#: 2509451B-10A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092423**	**Date of Collection: 9/4/25 2:00:00 PM**	
Dil. Factor:	**1.66**	**Date of Analysis: 9/25/25 07:01 AM**	

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

Container Type: 6 Liter Summa Canister

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Client Sample ID: LFGP-4

Lab ID#: 2509451B-11A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092424**	**Date of Collection: 9/4/25 2:37:00 PM**	
Dil. Factor:	**1.64**	**Date of Analysis: 9/25/25 07:28 AM**	

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#: 2509451B-12A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092403**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/24/25 12:06 PM**	

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

Container Type: NA - Not Applicable

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Client Sample ID: CCV

Lab ID#: 2509451B-13A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092401**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 9/24/25 10:55 AM**

Compound	%Recovery
Methane	99

Container Type: NA - Not Applicable

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Client Sample ID: LCS

Lab ID#: 2509451B-14A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092402**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/24/25 11:17 AM**	

Compound	%Recovery	Method Limits
Methane	99	85-115

Container Type: NA - Not Applicable

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Client Sample ID: LCSD

Lab ID#: 2509451B-14AA

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092425**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/25/25 07:53 AM**	

Compound	%Recovery	Method Limits
Methane	98	85-115

Container Type: NA - Not Applicable

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Method : Modified ASTM D-1946 (Sh)-CH4 only

CAS Number	Compound	Rpt. Limit (%)
74-82-8	Methane	0.00010

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Analytical Report

9/25/2025
Mr. Logan Hester
S & ME, Inc.
3201 Spring Forest Road

Raleigh NC 27616

Project Name:
Project #: 23050630
Workorder #: 2509451B

Dear Mr. Logan Hester

The following report includes the data for the above referenced project for sample(s) received on 9/11/2025 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

eurofins | Air Toxics

WORK ORDER #: 2509451B

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 #**	23050630
DATE RECEIVED:	09/11/2025	**CONTACT:**	Brian Whittaker
DATE COMPLETED:	09/25/2025		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	LFGP-7	Modified ASTM D-1946	15.5 "Hg	2 psi
02A	LFGP-9	Modified ASTM D-1946	9.5 "Hg	2 psi
03A	LFGP-8	Modified ASTM D-1946	8.5 "Hg	2 psi
04A	LFGP-DUP	Modified ASTM D-1946	9.5 "Hg	2 psi
05A	LFGP-10	Modified ASTM D-1946	8.0 "Hg	2 psi
06A	LFGP-6	Modified ASTM D-1946	2.0 "Hg	2 psi
07A	LFGP-2	Modified ASTM D-1946	10 "Hg	1.9 psi
08A	LFGP-1	Modified ASTM D-1946	12.8 "Hg	1.8 psi
09A	LFGP-3	Modified ASTM D-1946	10.2 "Hg	1.9 psi
10A	LFGP-5	Modified ASTM D-1946	9.6 "Hg	1.9 psi
11A	LFGP-4	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: 09/25/25

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# 2509451B

Eleven 6 Liter Summa Canister samples were received on September 11, 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

The Chain of Custody (COC) information for sample LFGP-6 did not match the information on the canister with regard to canister identification. The sample labeled 6L24482 on the COC is labeled as 24482 on the canister. The client was notified of the discrepancy and the information on the canister was used to process and report the sample.

The Chain of Custody contained incorrect method information. The laboratory proceeded with the analysis as per the original contract or verbal agreement.

Sample LFGP-7 was received with significant vacuum remaining in the canister. The residual canister vacuum resulted in elevated reporting limits.

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: LFGP-7

Lab ID#: 2509451B-01A

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00024	0.50

Client Sample ID: LFGP-9

Lab ID#: 2509451B-02A

No Detections Were Found.

Client Sample ID: LFGP-8

Lab ID#: 2509451B-03A

No Detections Were Found.

Client Sample ID: LFGP-DUP

Lab ID#: 2509451B-04A

No Detections Were Found.

Client Sample ID: LFGP-10

Lab ID#: 2509451B-05A

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00016	0.0022

Client Sample ID: LFGP-6

Lab ID#: 2509451B-06A

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00012	0.45

Client Sample ID: LFGP-2

Lab ID#: 2509451B-07A

No Detections Were Found.

eurofins | Air Toxics

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

Client Sample ID: LFGP-1

Lab ID#: 2509451B-08A

No Detections Were Found.

Client Sample ID: LFGP-3

Lab ID#: 2509451B-09A

No Detections Were Found.

Client Sample ID: LFGP-5

Lab ID#: 2509451B-10A

No Detections Were Found.

Client Sample ID: LFGP-4

Lab ID#: 2509451B-11A

No Detections Were Found.

eurofins | Air Toxics

Client Sample ID: LFGP-7

Lab ID#: 2509451B-01A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092414**	**Date of Collection: 9/4/25 12:15:00 PM**	
Dil. Factor:	**2.35**	**Date of Analysis: 9/24/25 05:17 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00024	0.50

Container Type: 6 Liter Summa Canister

eurofins | Air Toxics

Client Sample ID: LFGP-9

Lab ID#: 2509451B-02A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092415**	**Date of Collection: 9/4/25 12:58:00 PM**	
Dil. Factor:	**1.66**	**Date of Analysis: 9/24/25 05:48 PM**	

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

Container Type: 6 Liter Summa Canister

eurofins | Air Toxics

Client Sample ID: LFGP-8

Lab ID#: 2509451B-03A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092416**	**Date of Collection: 9/4/25 1:20:00 PM**	
Dil. Factor:	**1.59**	**Date of Analysis: 9/24/25 06:35 PM**	

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

Container Type: 6 Liter Summa Canister

eurofins | Air Toxics

Client Sample ID: LFGP-DUP

Lab ID#: 2509451B-04A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092417**	**Date of Collection: 9/3/25 3:15:00 PM**	
Dil. Factor:	**1.66**	**Date of Analysis: 9/24/25 06:58 PM**	

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

Container Type: 6 Liter Summa Canister

eurofins | Air Toxics

Client Sample ID: LFGP-10

Lab ID#: 2509451B-05A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092418**	**Date of Collection: 9/3/25 4:00:00 PM**	
Dil. Factor:	**1.55**	**Date of Analysis: 9/24/25 07:28 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00016	0.0022

Container Type: 6 Liter Summa Canister

eurofins | Air Toxics

Client Sample ID: LFGP-6

Lab ID#: 2509451B-06A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092419**	**Date of Collection: 9/3/25 12:30:00 PM**	
Dil. Factor:	**1.22**	**Date of Analysis: 9/24/25 08:00 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00012	0.45

Container Type: 6 Liter Summa Canister

eurofins | Air Toxics

Client Sample ID: LFGP-2

Lab ID#: 2509451B-07A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092420**	**Date of Collection: 9/4/25 3:05:00 PM**	
Dil. Factor:	**1.69**	**Date of Analysis: 9/24/25 08:23 PM**	

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

Container Type: 6 Liter Summa Canister

eurofins | Air Toxics

Client Sample ID: LFGP-1

Lab ID#: 2509451B-08A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092421**	**Date of Collection: 9/4/25 3:15:00 PM**	
Dil. Factor:	**1.96**	**Date of Analysis: 9/24/25 08:48 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00020	Not Detected

Container Type: 6 Liter Summa Canister

eurofins | Air Toxics

Client Sample ID: LFGP-3

Lab ID#: 2509451B-09A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092422**	**Date of Collection: 9/4/25 2:45:00 PM**	
Dil. Factor:	**1.71**	**Date of Analysis: 9/24/25 09:12 PM**	

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

Container Type: 6 Liter Summa Canister

eurofins | Air Toxics

Client Sample ID: LFGP-5

Lab ID#: 2509451B-10A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092423**	**Date of Collection: 9/4/25 2:00:00 PM**	
Dil. Factor:	**1.66**	**Date of Analysis: 9/25/25 07:01 AM**	

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

Container Type: 6 Liter Summa Canister

eurofins | Air Toxics

Client Sample ID: LFGP-4

Lab ID#: 2509451B-11A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092424**	**Date of Collection: 9/4/25 2:37:00 PM**	
Dil. Factor:	**1.64**	**Date of Analysis: 9/25/25 07:28 AM**	

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

Container Type: 6 Liter Summa Canister

eurofins | Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 2509451B-12A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092403**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/24/25 12:06 PM**	

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

Container Type: NA - Not Applicable

eurofins | Air Toxics

Client Sample ID: CCV

Lab ID#: 2509451B-13A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092401**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 9/24/25 10:55 AM**

Compound	%Recovery
Methane	99

Container Type: NA - Not Applicable

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Client Sample ID: LCS

Lab ID#: 2509451B-14A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092402**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/24/25 11:17 AM**	

Compound	%Recovery	Method Limits
Methane	99	85-115

Container Type: NA - Not Applicable

eurofins | Air Toxics

Client Sample ID: LCSD

Lab ID#: 2509451B-14AA

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092425**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/25/25 07:53 AM**	

Compound	%Recovery	Method Limits
Methane	98	85-115

Container Type: NA - Not Applicable

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Method : Modified ASTM D-1946 (Sh)-CH4 only

CAS Number	Compound	Rpt. Limit (%)
74-82-8	Methane	0.00010

EMSL Analytical, Inc.

6340 Castleplace Drive, Indianapolis, IN, 46250
Telephone: 317.803.2997 Fax:317.803.3047
www.emsl.com

EMSL Order ID: 162560761
LIMS Reference ID: CD60761
EMSL Customer ID: SMEI60

Attention: Jerry Paul
S&ME, Inc. [SMEI60]
3201 Spring Forest Road
Raleigh, NC 27616
(919) 872-2660
jpaul@smeinc.com

Project Name: DURHAM PARKS/23050630

Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 09/10/2025 10:50
Reported: 09/24/2025 14:43

Analytical Results

Analyte	Results	RL	Volume(L)	Prep Date & Tech	Prep Method	Analysis Date & Analyst	Analytical Method	Q	DF
Client Sample ID: LFGP-1/LYON PARK-822									**Date Sampled: 09/04/25**
Matrix: Tubes									**LIMS Reference ID: CD60761-01**
Mercury	<0.67 µg/m³	0.67 µg/m³	15	09/23/25 JW	NIOSH 6009	09/23/25 JW	NIOSH 6009		1
Sample Comments:									
Client Sample ID: LFGP-2/LYON PARK-822									**Date Sampled: 09/04/25**
Matrix: Tubes									**LIMS Reference ID: CD60761-02**
Mercury	<0.67 µg/m³	0.67 µg/m³	15	09/23/25 JW	NIOSH 6009	09/23/25 JW	NIOSH 6009		1
Sample Comments:									
Client Sample ID: LFGP-3/LYON PARK-822									**Date Sampled: 09/04/25**
Matrix: Tubes									**LIMS Reference ID: CD60761-03**
Mercury	<0.67 µg/m³	0.67 µg/m³	15	09/23/25 JW	NIOSH 6009	09/23/25 JW	NIOSH 6009		1
Sample Comments:									
Client Sample ID: LFGP-4/LYON PARK-822									**Date Sampled: 09/04/25**
Matrix: Tubes									**LIMS Reference ID: CD60761-04**
Mercury	<0.67 µg/m³	0.67 µg/m³	15	09/23/25 JW	NIOSH 6009	09/23/25 JW	NIOSH 6009		1
Sample Comments:									
Client Sample ID: LFGP-5/LYON PARK-822									**Date Sampled: 09/04/25**
Matrix: Tubes									**LIMS Reference ID: CD60761-05**
Mercury	<0.67 µg/m³	0.67 µg/m³	15	09/23/25 JW	NIOSH 6009	09/23/25 JW	NIOSH 6009		1
Sample Comments:									
Client Sample ID: LFGP-6/LYON PARK-822									**Date Sampled: 09/04/25**
Matrix: Tubes									**LIMS Reference ID: CD60761-06**
Mercury	<0.67 µg/m³	0.67 µg/m³	15	09/23/25 JW	NIOSH 6009	09/23/25 JW	NIOSH 6009		1
Sample Comments:									
Client Sample ID: LFGP-7/LYON PARK-822									**Date Sampled: 09/04/25**
Matrix: Tubes									**LIMS Reference ID: CD60761-07**
Mercury	<0.67 µg/m³	0.67 µg/m³	15	09/23/25 JW	NIOSH 6009	09/23/25 JW	NIOSH 6009		1
Sample Comments:									
Client Sample ID: LFGP-9/LYON PARK-822									**Date Sampled: 09/04/25**
Matrix: Tubes									**LIMS Reference ID: CD60761-08**
Mercury	<0.67 µg/m³	0.67 µg/m³	15	09/23/25 JW	NIOSH 6009	09/23/25 JW	NIOSH 6009		1
Sample Comments:									
Client Sample ID: LFGP-10/LYON PARK-822									**Date Sampled: 09/04/25**
Matrix: Tubes									**LIMS Reference ID: CD60761-09**
Mercury	<0.67 µg/m³	0.67 µg/m³	15	09/23/25 JW	NIOSH 6009	09/23/25 JW	NIOSH 6009		1
Sample Comments:									

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www.emsl.com

EMSL Order ID: 162560761
LIMS Reference ID: CD60761
EMSL Customer ID: SMEI60

Attention: Jerry Paul
S&ME, Inc. [SMEI60]
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Raleigh, NC 27616
(919) 872-2660
jpaul@smeinc.com

Project Name: DURHAM PARKS/23050630

Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 09/10/2025 10:50
Reported: 09/24/2025 14:43

Analytical Results (Continued)

Analyte	Results	RL	Volume(L)	Prep Date & Tech	Prep Method	Analysis Date & Analyst	Analytical Method	Q	DF
Client Sample ID: LFGP-DUP-01/LYON PARK-822								**Date Sampled: 09/10/25**	
Matrix: Tubes								**LIMS Reference ID: CD60761-10**	
Mercury	<0.67 µg/m³	0.67 µg/m³	15	09/23/25 JW	NIOSH 6009	09/23/25 JW	NIOSH 6009		1
Sample Comments:									
Client Sample ID: LFGP-8/LYON PARK-822								**Date Sampled: 09/10/25**	
Matrix: Tubes								**LIMS Reference ID: CD60761-11**	
Mercury	<0.67 µg/m³	0.67 µg/m³	15	09/23/25 JW	NIOSH 6009	09/23/25 JW	NIOSH 6009		1
Sample Comments:									
Client Sample ID: LFGP-1/NORTHGATE-825								**Date Sampled: 09/10/25**	
Matrix: Tubes								**LIMS Reference ID: CD60761-12**	
Mercury	<0.67 µg/m³	0.67 µg/m³	15	09/23/25 JW	NIOSH 6009	09/23/25 JW	NIOSH 6009		1
Sample Comments:									
Client Sample ID: LFGP-2/NORTHGATE-825								**Date Sampled: 09/10/25**	
Matrix: Tubes								**LIMS Reference ID: CD60761-13**	
Mercury	<0.67 µg/m³	0.67 µg/m³	15	09/23/25 JW	NIOSH 6009	09/23/25 JW	NIOSH 6009		1
Sample Comments:									
Client Sample ID: LFGP-3/NORTHGATE-825								**Date Sampled: 09/10/25**	
Matrix: Tubes								**LIMS Reference ID: CD60761-14**	
Mercury	<0.67 µg/m³	0.67 µg/m³	15	09/23/25 JW	NIOSH 6009	09/23/25 JW	NIOSH 6009		1
Sample Comments:									
Client Sample ID: LFGP-4/NORTHGATE-825								**Date Sampled: 09/10/25**	
Matrix: Tubes								**LIMS Reference ID: CD60761-15**	
Mercury	<0.67 µg/m³	0.67 µg/m³	15	09/23/25 JW	NIOSH 6009	09/23/25 JW	NIOSH 6009		1
Sample Comments:									
Client Sample ID: LFGP-5/NORTHGATE-825								**Date Sampled: 09/10/25**	
Matrix: Tubes								**LIMS Reference ID: CD60761-16**	
Mercury	<0.67 µg/m³	0.67 µg/m³	15	09/23/25 JW	NIOSH 6009	09/23/25 JW	NIOSH 6009		1
Sample Comments:									
Client Sample ID: LFGP-DUP-02/NORTHGATE-825								**Date Sampled: 09/10/25**	
Matrix: Tubes								**LIMS Reference ID: CD60761-17**	
Mercury	<0.67 µg/m³	0.67 µg/m³	15	09/23/25 JW	NIOSH 6009	09/23/25 JW	NIOSH 6009		1
Sample Comments:									
Client Sample ID: LFGP-2/WALLTOWN PARK-824								**Date Sampled: 09/10/25**	
Matrix: Tubes								**LIMS Reference ID: CD60761-18**	
Mercury	<0.67 µg/m³	0.67 µg/m³	15	09/23/25 JW	NIOSH 6009	09/23/25 JW	NIOSH 6009		1
Sample Comments:									

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EMSL Order ID: 162560761
LIMS Reference ID: CD60761
EMSL Customer ID: SMEI60

Attention: Jerry Paul
S&ME, Inc. [SMEI60]
3201 Spring Forest Road
Raleigh, NC 27616
(919) 872-2660
jpaul@smeinc.com

Project Name: DURHAM PARKS/23050630

Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 09/10/2025 10:50
Reported: 09/24/2025 14:43

Analytical Results (Continued)

Analyte	Results	RL	Volume(L)	Prep Date & Tech	Prep Method	Analysis Date & Analyst	Analytical Method	Q	DF
Client Sample ID: LFGP-3/WALLTOWN PARK-824									**Date Sampled: 09/10/25**
Matrix: Tubes									**LIMS Reference ID: CD60761-19**
Mercury	<0.67 µg/m³	0.67 µg/m³	15	09/23/25 JW	NIOSH 6009	09/23/25 JW	NIOSH 6009		1
Sample Comments:									
Client Sample ID: LFGP-DUP-03/WALLTOWN PARK-824									**Date Sampled: 09/10/25**
Matrix: Tubes									**LIMS Reference ID: CD60761-20**
Mercury	<0.67 µg/m³	0.67 µg/m³	15	09/23/25 JW	NIOSH 6009	09/23/25 JW	NIOSH 6009		1
Sample Comments:									
Client Sample ID: LFGP-1/WALLTOWN PARK-824									**Date Sampled: 09/10/25**
Matrix: Tubes									**LIMS Reference ID: CD60761-21**
Mercury	<0.67 µg/m³	0.67 µg/m³	15	09/23/25 JW	NIOSH 6009	09/23/25 JW	NIOSH 6009		1
Sample Comments:									
Client Sample ID: LFGP-4/WALLTOWN PARK-824									**Date Sampled: 09/10/25**
Matrix: Tubes									**LIMS Reference ID: CD60761-22**
Mercury	<0.67 µg/m³	0.67 µg/m³	15	09/23/25 JW	NIOSH 6009	09/23/25 JW	NIOSH 6009		1
Sample Comments:									
Client Sample ID: LFGP-5/WALLTOWN PARK-824									**Date Sampled: 09/10/25**
Matrix: Tubes									**LIMS Reference ID: CD60761-23**
Mercury	<0.67 µg/m³	0.67 µg/m³	15	09/23/25 JW	NIOSH 6009	09/23/25 JW	NIOSH 6009		1
Sample Comments:									
Client Sample ID: LFGP-6/WALLTOWN PARK-824									**Date Sampled: 09/10/25**
Matrix: Tubes									**LIMS Reference ID: CD60761-24**
Mercury	<0.67 µg/m³	0.67 µg/m³	15	09/23/25 JW	NIOSH 6009	09/23/25 JW	NIOSH 6009		1
Sample Comments:									
Client Sample ID: LFGP-7/WALLTOWN PARK-824									**Date Sampled: 09/10/25**
Matrix: Tubes									**LIMS Reference ID: CD60761-25**
Mercury	<0.67 µg/m³	0.67 µg/m³	15	09/23/25 JW	NIOSH 6009	09/23/25 JW	NIOSH 6009		1
Sample Comments:									
Client Sample ID: LFGP-8/WALLTOWN PARK-824									**Date Sampled: 09/10/25**
Matrix: Tubes									**LIMS Reference ID: CD60761-26**
Mercury	<0.67 µg/m³	0.67 µg/m³	15	09/23/25 JW	NIOSH 6009	09/23/25 JW	NIOSH 6009		1
Sample Comments:									
Client Sample ID: LFGP-9/WALLTOWN PARK-824									**Date Sampled: 09/10/25**
Matrix: Tubes									**LIMS Reference ID: CD60761-27**
Mercury	<0.67 µg/m³	0.67 µg/m³	15	09/23/25 JW	NIOSH 6009	09/23/25 JW	NIOSH 6009		1
Sample Comments:									

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LIMS Reference ID: CD60761
EMSL Customer ID: SMEI60

Attention: Jerry Paul
S&ME, Inc. [SMEI60]
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Raleigh, NC 27616
(919) 872-2660
jpaul@smeinc.com

Project Name: DURHAM PARKS/23050630

Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 09/10/2025 10:50
Reported: 09/24/2025 14:43

Certified Analyses included in this Report

Analyte	Certifications
NIOSH 6009 in Tubes	
Mercury	16-AIHA IHLAP

List of Certifications

Code	Description	Number	Expires
16-MO	Missouri Drinking Water	10180	03/31/2026
16-NYDOH	New York Potable Water, Metals Solid and Hazardous Waste - Asbestos	12130	04/01/2026
16-AIHA ELLAP	American Industrial Hygiene Association (AIHA LAP, LLC) - ELLAP	157245	08/01/2027
16-AIHA IHLAP	American Industrial Hygiene Association (AIHA LAP, LLC) - IHLAP	157245	08/01/2027
16-CA ELAP	California Metals in DW, Chemistry and Bulk Asbestos in Hazardous Waste	2575	06/30/2026
16-A2LA Food	A2LA Food Microbiology	2845.11	01/31/2026
16-A2LA Chemistry	A2LA Environmental and Chemistry	2845.25	11/30/2025
16-IN Metals/Asbestos	Indiana Lead and Metals and Asbestos in Drinking Water	C-49-09	12/31/2026
16-OHDOH	Ohio - Lead in Paint Chips, Wipes, Soil and Air	E10040	05/03/2026
16-FLDOH	Florida Asbestos and Metals in Drinking Water, PCBs	E871170	06/30/2026
16-NJDEP	New Jersey Metals, Organics and Inorganics in DW PCBs	IN002	06/30/2026
16-IN Colilert/HPC	Indiana Colilert and HPC	M-49-06	12/31/2026

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.

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.

EMSL Analytical, Inc.

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www.emsl.com

EMSL Order ID: 162560761
LIMS Reference ID: CD60761
EMSL Customer ID: SMEI60

Attention: Jerry Paul
S&ME, Inc. [SMEI60]
3201 Spring Forest Road
Raleigh, NC 27616
(919) 872-2660
jpaul@smeinc.com

Project Name: DURHAM PARKS/23050630

Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 09/10/2025 10:50
Reported: 09/24/2025 14:43

Aleks Kuchenbrod Laboratory Manager or other approved signatory

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. QC sample results are within quality control criteria and met method specifications unless otherwise noted. All results for soil samples are reported on a dry weight basis, unless otherwise noted.

EMSL ANALYTICAL, INC.
TESTING LABS • PRODUCTS • TRAINING

Silica - Chain of Custody

EMSL Order Number / Lab Use Only: 162560761

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

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

Customer Information		Billing Information	
Customer ID:		Billing ID:	
Company Name:	SAME	Company Name:	
Contact Name:	Jerry Paul	Billing Contact:	
Street Address:	3201 Spring Forest Rd	Street Address:	
City, State, Zip:	Raleigh, NC	City, State, Zip:	
Country:		Country:	
Phone:	419-872-2660	Phone:	
Email(s) for Report:	JPaul@smeinc.com	Email(s) for Invoice:	

Project Name/No: Durham Parks / 2305 0630 — 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:

Media Manufacturer/ Part Number:

Media Lot Number:

Sampled By Name: Logan Mester

Sampled By Signature:

No. Samples in Shipment:

Method Requested:

- ☐ NIOSH 7500 by XRD
  - ☐ Include: Respirable Dust
  - ☐ Include: Total Dust
  - ***Check only one of the above**
  - ☐ Include: TWA
- ☐ NIOSH 7602 by IR
  - ***Charlotte (Pineville), NC Lab ONLY**

Media Submitted:

Cassette
- ☐ 37mm PVC 5.0um Cassette / Pre-Weighed Filter ☐ No Cyclone
- ☐ 37mm PVC 5.0um Cassette / NON Pre-Weighed Filter ☐ No Cyclone

(Lab assumes cyclone utilized in sampling train unless No Cyclone selected.)

PPI
- ☐ 2 LPM PPI / Pre-Weighed Filter ☐ 2 LPM PPI / NON Pre-Weighed Filter
- ☐ 4 LPM PPI / Pre-Weighed Filter ☐ 4 LPM PPI / NON Pre-Weighed Filter
- ☐ 8 LPM PPI / Pre-Weighed Filter ☐ 8 LPM PPI / NON Pre-Weighed Filter

Species Requested:

- ☐ ALL Species *(Includes Alpha Quartz, Cristobalite, Tridymite)*
- ☐ Single Species *(Please check one or two below)*
  - ☐ Alpha Quartz
  - ☐ Cristobalite
  - ☐ Tridymite

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 (Call Lab)

Client Sample ID	Location/Description	Analyte/ Method	Media	Flow (lpm)	Sample Time On	Sample Time Off	Sample Type	Sample Date	Comments
LFGP-1	LYON Park - B22	6009	Sorbent Tube	0.25	1255	1355	☐ Area ☐ Personal	9-4-25	
LFGP-2					1250	1350	☐ Area ☐ Personal		
LFGP-3					1245	1345	☐ Area ☐ Personal		
LFGP-4					1240	1340	☐ Area ☐ Personal		
LFGP-5					1235	1335	☐ Area ☐ Personal		
LFGP-6					1425	1525	☐ Area ☐ Personal		
LFGP-7					1420	1520	☐ Area ☐ Personal		

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

~~EtOH~~ Mercury NIOSH 6009 Sorbent Tubes

Method of Shipment: FedEx

Relinquished by: Logan Mester — Date/Time: 9/4/25 17:20

Relinquished by: — Date/Time:

Sample Condition Upon Receipt:

Received by: — Date/Time: 9/10/25 1020

Received by: — Date/Time:

Controlled Document - COC-73 Silica R1 03/18/2021

☐ 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

Silica - Chain of Custody

EMSL Order Number / Lab Use Only

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

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

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

Client Sample ID	Location/Description	Analyte/ Method	Media	Flow (lpm)	Sample Time On	Sample Time Off	Sample Type	Sample Date	Comments
LFGP-9	LYON PARK-822	6009	Sorbent Tube	0.25	1410	1510	☐ Area ☐ Personal	9-4-25	
LFGP-10	"	"	"	"	1405	1505	☐ Area ☐ Personal	"	
LFGP-DUP-01	"	"	"	"	1255	1355	☐ Area ☐ Personal	"	
LFGP-8	"	"	"	"	1415	1515	☐ Area ☐ Personal	"	
LFGP-1	Northgate - 825	"	"	"	735	835	☐ Area ☐ Personal	9-5-25	
LFGP-2	"	"	"	"	740	840	☐ Area ☐ Personal	"	
LFGP-3	"	"	"	"	745	845	☐ Area ☐ Personal	"	
LFGP-4	"	"	"	"	750	850	☐ Area ☐ Personal	"	
LFGP-5	"	"	"	"	755	855	☐ Area ☐ Personal	"	
LFGP-DUP-02	"	"	"	"	755	855	☐ Area ☐ Personal	"	
LFGP-2	Walltown Park-824	"	"	"	1117	1217	☐ Area ☐ Personal	9-8-25	
LFGP-3	"	"	"	"	1125	1225	☐ Area ☐ Personal	"	
LFGP-DUP-03	"	"	"	"	1125	1225	☐ Area ☐ Personal	"	
LFGP-1	"	"	"	"	1133	1233	☐ Area ☐ Personal	"	
LFGP-4	"	"	"	"	1137	1237	☐ Area ☐ Personal	"	
LFGP-5	"	"	"	"	1130	1230	☐ Area ☐ Personal	"	
LFGP-6	"	"	"	"	1310	1410	☐ Area ☐ Personal	"	
LFGP-7	"	"	"	"	1305	1405	☐ Area ☐ Personal	"	
LFGP-8	"	"	"	"	1308	1408	☐ Area ☐ Personal	"	
LFGP-9	"	"	"	"	1340	1440	☐ Area ☐ Personal	"	
							☐ Area ☐ Personal		
							☐ Area ☐ Personal		

Method of Shipment: FedEx		Sample Condition Upon Receipt:	
Relinquished by: Clay Shiller	Date/Time: 9/9/25 17:20	Received by:	Date/Time
Relinquished by:	Date/Time:	Received by:	Date/Time

Controlled Document - COC-73 Silica R1 03/18/2021

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

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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: 012533537
LIMS Reference ID: AD33537
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-Lyon Park 23050630 Phase BB
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 09/04/2025 09:40
Reported: 09/18/2025 16:05

Samples in this Report

Lab ID	Sample	Matrix	Date Sampled	Date Received
AD33537-01	LFGP-5	Air	09/03/2025	09/04/2025
AD33537-02	LFGP-4	Air	09/03/2025	09/04/2025
AD33537-03	LFGP-3	Air	09/03/2025	09/04/2025
AD33537-04	LFGP-2	Air	09/03/2025	09/04/2025
AD33537-05	LFGP-1	Air	09/03/2025	09/04/2025
AD33537-06	LFGP-DUP-01	Air	09/03/2025	09/04/2025
AD33537-07	LFGP-10	Air	09/03/2025	09/04/2025

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.

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jpaul@smeinc.com

Project Name: City of Durham Parks-Lyon Park 23050630 Phase BB
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 09/04/2025 09:40
Reported: 09/18/2025 16:05

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.

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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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jpaul@smeinc.com

Project Name: City of Durham Parks-Lyon Park 23050630 Phase BB
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 09/04/2025 09:40
Reported: 09/18/2025 16:05

EMSL Sample ID: AD33537-01
Customer Sample ID: LFGP-5
Collected: 09/03/2025 15:30
Received: 09/04/2025 09:40

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
09/04/25 14:31	BDI0414	R1315.D	tedlar	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	09/04/25 14:31	
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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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.

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EMSL-CIN-01

EMSL Order ID: 012533537
LIMS Reference ID: AD33537
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-Lyon Park 23050630 Phase BB
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 09/04/2025 09:40
Reported: 09/18/2025 16:05

EMSL Sample ID: AD33537-02
Customer Sample ID: LFGP-4
Collected: 09/03/2025 15:40
Received: 09/04/2025 09:40

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
09/04/25 15:13	BDI0414	R1318.D	tedlar	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	09/04/25 15:13	
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

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2 "Odor Threshholds for Chemicals with Established Occupational Health Standards", AIHA, Fairfax VA, 1989
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EMSL Analytical, Inc.

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EMSL-CIN-01

EMSL Order ID: 012533537
LIMS Reference ID: AD33537
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-Lyon Park 23050630 Phase BB
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 09/04/2025 09:40
Reported: 09/18/2025 16:05

EMSL Sample ID: AD33537-03
Customer Sample ID: LFGP-3
Collected: 09/03/2025 15:50
Received: 09/04/2025 09:40

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
09/04/25 15:27	BDI0414	R1319.D	tedlar	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	09/04/25 15:27	
Total Target Compound Concentrations:			**0**			**0**			

Threshold Refernences

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

Reference

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EMSL-CIN-01

EMSL Order ID: 012533537
LIMS Reference ID: AD33537
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-Lyon Park 23050630 Phase BB
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 09/04/2025 09:40
Reported: 09/18/2025 16:05

EMSL Sample ID: AD33537-04
Customer Sample ID: LFGP-2
Collected: 09/03/2025 16:00
Received: 09/04/2025 09:40

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
09/04/25 15:40	BDI0414	R1320.D	tedlar	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	09/04/25 15:40	
Total Target Compound Concentrations:			**0**			**0**			

Threshold Refernences

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

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Project Name: City of Durham Parks-Lyon Park 23050630 Phase BB
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 09/04/2025 09:40
Reported: 09/18/2025 16:05

EMSL Sample ID: AD33537-05
Customer Sample ID: LFGP-1
Collected: 09/03/2025 16:10
Received: 09/04/2025 09:40

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
09/04/25 15:55	BDI0414	R1321.D	tedlar	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	09/04/25 15:55	
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**

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Project Name: City of Durham Parks-Lyon Park 23050630 Phase BB
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 09/04/2025 09:40
Reported: 09/18/2025 16:05

EMSL Sample ID: AD33537-06
Customer Sample ID: LFGP-DUP-01
Collected: 09/03/2025 16:10
Received: 09/04/2025 09:40

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
09/04/25 16:09	BDI0414	R1322.D	tedlar	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	09/04/25 16:09	
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**

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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: 012533537
LIMS Reference ID: AD33537
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-Lyon Park 23050630 Phase BB
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 09/04/2025 09:40
Reported: 09/18/2025 16:05

EMSL Sample ID: AD33537-07
Customer Sample ID: LFGP-10
Collected: 09/03/2025 16:20
Received: 09/04/2025 09:40

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
09/04/25 16:23	BDI0414	R1323.D	tedlar	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	09/04/25 16:23	
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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jpaul@smeinc.com

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Customer PO:
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Reported: 09/18/2025 16:05

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.

Environmental Chemistry - Sampling Event Chain of Custody

AD33537

EMSL ANALYTICAL, INC.

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

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

EMSL Order Number / Lab Use Only

RECEIVED
EMSL
CINNAMINSON, N.J.
2025 SEP -4 P 12:05

Customer Information

Customer ID:	
Company Name:	S&ME
Contact Name:	Gerald Paul
Street Address:	3201 Spring Forest Road
City, State, Zip:	Raleigh, NC 27616
Country	USA
Phone:	919-801-6482
Email(s) for Report:	jpaul@smein.com

Billing Information

Billing ID:	
Company Name:	S&ME
Billing Contact:	Gerald Paul
Street Address:	3201 Spring Forest Road
City, State, Zip:	Raleigh, NC 27616
Country:	USA
Phone:	919-801-6482
Email(s) for Invoice:	jpaul@smein.com

Project Name/No: City of Durham Parks - Lyon Park 23050630 Phase BB

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:

Sampled By Signature:

Sampler ID#: (if applicable)

No. Samples in Shipment: 7

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: ASTMD5504	Test 2:	Test 3:	Test 4:	Field pH	Field pH Test Time	Field Temp. Deg. C	Field Temp. Test Time	Comments
LFGP-5	☐	☑	9/3/25 1530	AIR	None	✓								Low Level H2S
LFGP-4	☐	☑	9/3/25 1540	AIR	None	✓								Low Level H2S
LFGP-3	☐	☑	9/3/25 1550	AIR	None	✓								Low Level H2S
LFGP-2	☐	☑	9/3/25 1600	AIR	None	✓								Low Level H2S

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

Please use MDL of 14ug/m3 if possible to meet NCDEQ Requirments

FX#: 8183578613

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

Method of Shipment: Fed Ex

Sample Condition Upon Receipt:

Received on Ice? Check if Yes ☐

Relinquished by: Corey Gulf	Date/Time: 9/3/25 18:30	Received by: FX	Date/Time: 9/4/25 940am
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.

Environmental Chemistry - Sampling Event Chain of Custody

AD33537

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

RECEIVED EMSL CINNAMINSON, N.J. 2025 SEP 4 P 12:05

EMSL Order Number / Lab Use Only

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

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

Client Sample ID	Comp	Grab	Date / Time Collected	Matrix (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: ASTMD5504	Test 2:	Test 3:	Test 4:	Field pH	Field pH Test Time	Field Temp. Deg. C	Field Temp. Test Time	Comments
LFGP-1	☐	☑	9/3/25 1610	AIR	None	/								Low Level H2S
LFGP-DUP-01	☐	☑	9/3/25	AIR	None	/								Low Level H2S
LFGP-10	☐	☑	9/3/25 1620	AIR	None	/								Low Level H2S
	☐	☐		AIR	None									Low Level H2S
	☐	☐		AIR	None									Low Level H2S
	☐	☐		AIR	None									Low Level H2S
	☐	☐		AIR	None									Low Level H2S
	☐	☐		AIR	None									Low Level H2S
	☐	☐		AIR	None									Low Level H2S

Method of Shipment: FedEx

Sample Condition Upon Receipt:

Received on Ice? Check if Yes ☐

Relinquished by:	Date/Time: 9/3/25 18:30	Received by: FX	Date/Time 9/4/25 940a
Relinquished by:	Date/Time:	Received by:	Date/Time

Controlled Document - COC-80 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.)

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: 012533683
LIMS Reference ID: AD33683
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 - Lyon Park 23050630 Phase BB
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 09/05/2025 09:30
Reported: 09/19/2025 16:50

Samples in this Report

Lab ID	Sample	Matrix	Date Sampled	Date Received
AD33683-01	LFGP-6	Air	09/04/2025	09/05/2025
AD33683-02	LFGP-7	Air	09/04/2025	09/05/2025
AD33683-03	LFGP-8	Air	09/04/2025	09/05/2025
AD33683-04	LFGP-9	Air	09/04/2025	09/05/2025

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.

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Project Name: City of Durham Parks - Lyon Park 23050630 Phase BB
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 09/05/2025 09:30
Reported: 09/19/2025 16:50

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.

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Customer PO:
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Received: 09/05/2025 09:30
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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: 012533683
LIMS Reference ID: AD33683
EMSL Customer ID: SMEI60

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jpaul@smeinc.com

Project Name: City of Durham Parks - Lyon Park 23050630 Phase BB
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 09/05/2025 09:30
Reported: 09/19/2025 16:50

EMSL Sample ID: AD33683-01
Customer Sample ID: LFGP-6
Collected: 09/04/2025 15:30
Received: 09/05/2025 09:30

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
09/05/25 15:13	BDI0614	R1328.D	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	24	10	1	34	14	09/05/25 15:13	
Total Target Compound Concentrations:			24			34			

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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Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 09/05/2025 09:30
Reported: 09/19/2025 16:50

EMSL Sample ID: AD33683-02
Customer Sample ID: LFGP-7
Collected: 09/04/2025 15:40
Received: 09/05/2025 09:30

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
09/05/25 15:26	BDI0614	R1329.D	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	**640**	10	1	**890**	14	09/05/25 15:26	
Total Target Compound Concentrations:			**640**			**890**			

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 Customer ID: SMEI60

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Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 09/05/2025 09:30
Reported: 09/19/2025 16:50

EMSL Sample ID: AD33683-03
Customer Sample ID: LFGP-8
Collected: 09/04/2025 15:50
Received: 09/05/2025 09:30

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
09/05/25 15:39	BDI0614	R1330.D	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	09/05/25 15:39	
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

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2 "Odor Threshholds for Chemicals with Established Occupational Health Standards", AIHA, Fairfax VA, 1989
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Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 09/05/2025 09:30
Reported: 09/19/2025 16:50

EMSL Sample ID: AD33683-04
Customer Sample ID: LFGP-9
Collected: 09/04/2025 16:00
Received: 09/05/2025 09:30

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
09/05/25 15:53	BDI0614	R1331.D	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	09/05/25 15:53	
Total Target Compound Concentrations:			**0**			**0**			

Threshold Refernences

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

Reference

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2 "Odor Threshholds for Chemicals with Established Occupational Health Standards", AIHA, Fairfax VA, 1989
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jpaul@smeinc.com

Project Name: City of Durham Parks - Lyon Park 23050630 Phase BB
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 09/05/2025 09:30
Reported: 09/19/2025 16:50

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.

Environmental Chemistry - Sampling Event
Chain of Custody

EMSL ANALYTICAL, INC.

EMSL Order Number / Lab Use Only: AD33683

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

RECEIVED
EMSL
CINNAMINSON, NJ
25 SEP -5 AM 9:37

Customer Information

Customer ID:	
Company Name:	S&ME
Contact Name:	Gerald Paul
Street Address:	3201 Spring Forest Road
City, State, Zip:	Raleigh, NC 27616
Country:	USA
Phone:	919-801-6482
Email(s) for Report:	jpaul@smein.com

Billing Information

Billing ID:	
Company Name:	S&ME
Billing Contact:	Gerald Paul
Street Address:	3201 Spring Forest Road
City, State, Zip:	Raleigh, NC 27616
Country:	USA
Phone:	919-801-6482
Email(s) for Invoice:	jpaul@smein.com

Project Name/No: City of Durham Parks - Lyon Park 23050630 Phase BB

Purchase Order:

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

US State where samples collected:

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: Gray Forsyth

Sampled By Signature:

Sampler ID#: (if applicable)

No. Samples in Shipment: 4

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: ASTMD5504	Test 2:	Test 3:	Test 4:	Field pH	Field pH Test Time	Field Temp. Deg. C	Field Temp. Test Time	Comments
LFGP-6	☐	☑	9/4/25 1530	AIR	None	✓								Low Level H2S
LFGP-7	☐	☑	9/4/25 1540	AIR	None	✓								Low Level H2S
LFGP-8	☐	☑	9/4/25 1550	AIR	None	✓								Low Level H2S
LFGP-9	☐	☑	9/4/25 1600	AIR	None	✓								Low Level H2S

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

Please use MDL of 14ug/m3 if possible to meet NCDEQ Requirments

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: 9-4-25 1745	Received by: FX	Date/Time 9/5/25 0930
Relinquished by:	Date/Time:	Received by:	Date/Time

Controlled Document - COC-80 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.)

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety.

 4 SPAU

Appendix V– NCDEQ Risk Calculator Package

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - Lyon Park
Site Address:	1101 Cornell Road and 1200 W. Lakewood Avenue, Durham NC
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000822
Exposure Unit ID:	LFGP-1 Risk Assessment
Submittal Date:	12/5/2025
Prepared By:	Brandon Governo
Reviewed By:	Jerry Paul

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

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	6.1E-08	2.1E-02	NO
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	4.7E-09	1.7E-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 **Input Form 2D**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

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
47		67-64-1	Acetone			ug/m^3	LFGP-1/DUP									
14	2-Propanol	67-63-0	Isopropanol			ug/m^3	LFGP-1/DUP									
22		127-18-4	Tetrachloroethylene			ug/m^3	LFGP-1/DUP									
5.5	Reported as m,p-xylene	108-38-3	Xylene, m-			ug/m^3	LFGP-1/DUP									
4		95-47-6	Xylene, o-			ug/m^3	LFGP-1/DUP									
5.5	Reported as m,p-xylene	106-42-3	Xylene, p-			ug/m^3	LFGP-1/DUP									

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: NONCD0000822

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
67-64-1	Acetone	47	1.41	-	-		
67-63-0	Isopropanol	14	0.42	-	4.2E+01		2.0E-03
127-18-4	Tetrachloroethylene	22	0.66	1.1E+01	8.3E+00	6.1E-08	1.6E-02
108-38-3	Xylene, m-	5.5	0.165	-	2.1E+01		1.6E-03
95-47-6	Xylene, o-	4	0.12	-	2.1E+01		1.2E-03
106-42-3	Xylene, p-	5.5	0.165	-	2.1E+01		1.6E-03
					Cumulative:	6.1E-08	2.2E-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: NONCD0000822

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
67-64-1	Acetone	47	0.47	-	-		
67-63-0	Isopropanol	14	0.14	-	1.8E+02		1.6E-04
127-18-4	Tetrachloroethylene	22	0.22	4.7E+01	3.5E+01	4.7E-09	1.3E-03
108-38-3	Xylene, m-	5.5	0.055	-	8.8E+01		1.3E-04
95-47-6	Xylene, o-	4	0.04	-	8.8E+01		9.1E-05
106-42-3	Xylene, p-	5.5	0.055	-	8.8E+01		1.3E-04
					Cumulative:	4.7E-09	1.8E-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 - Lyon Park
Site Address:	1101 Cornell Road and 1200 W. Lakewood Avenue, Durham NC
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000822
Exposure Unit ID:	LFGP-2 Risk Assessment
Submittal Date:	12/5/2025
Prepared By:	Brandon Governo
Reviewed By:	Jerry Paul

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

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	0.0E+00	1.7E-03	NO
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	0.0E+00	1.4E-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 - Non-Residential Worker Soil Gas to Indoor Air **Output Form 3E**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

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
67-64-1	Acetone	24	0.24	-	-		
67-63-0	Isopropanol	12	0.12	-	1.8E+02		1.4E-04
					Cumulative:	0.0E+00	1.4E-04

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: NONCD0000822

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
67-64-1	Acetone	24	0.72	-	-		
67-63-0	Isopropanol	12	0.36	-	4.2E+01		1.7E-03
					Cumulative:	0.0E+00	1.7E-03

Exposure Point Concentrations **Input Form 2D**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

Exposure Unit ID: LFGP-2 Risk Assessment

Soil Gas Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

Note: Chemicals highlighted in orange are non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

Exposure Point Concentration (ug/m^3)	Notes:	CAS Number	Chemical	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening	Background Value	Screening Toxicity Value (Screening Level) (n/c)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion
24		67-64-1	Acetone			ug/m^3	LFGP-2									
12	2-Propanol	67-63-0	Isopropanol			ug/m^3	LFGP-2									

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - Lyon Park
Site Address:	1101 Cornell Road and 1200 W. Lakewood Avenue, Durham NC
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000822
Exposure Unit ID:	LFGP-3 Risk Assessment
Submittal Date:	12/5/2025
Prepared By:	Brandon Governo
Reviewed By:	Jerry Paul

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

Exposure Unit ID: LFGP-3 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	NC	NC	NC
	Surface Water*	NC	NC	NC

VAPOR INTRUSION CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	0.0E+00	3.0E-03	NO
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	0.0E+00	2.4E-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.

Exposure Point Concentrations **Input Form 2D**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

Exposure Unit ID: LFGP-3 Risk Assessment

Soil Gas Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

Note: Chemicals highlighted in orange are non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

Exposure Point Concentration (ug/m^3)	Notes:	CAS Number	Chemical	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening	Background Value	Screening Toxicity Value (Screening Level) (n/c)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion
56		67-64-1	Acetone			ug/m^3	LFGP-3									
21	2-Propanol	67-63-0	Isopropanol			ug/m^3	LFGP-3									
11	2-Butanone (Methyl Ethyl Ketone)	78-93-3	Methyl Ethyl Ketone (2-Butanone)			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: NONCD0000822

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
67-64-1	Acetone	56	1.68	-	-		
67-63-0	Isopropanol	21	0.63	-	4.2E+01		3.0E-03
78-93-3	Methyl Ethyl Ketone (2-Butanone)	11	0.33	-	1.0E+03		6.3E-05
					Cumulative:	0.0E+00	3.1E-03

DEQ Risk Calculator - Vapor Intrusion - Non-Residential Worker Soil Gas to Indoor Air **Output Form 3E**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

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
67-64-1	Acetone	56	0.56	-	-		
67-63-0	Isopropanol	21	0.21	-	1.8E+02		2.4E-04
78-93-3	Methyl Ethyl Ketone (2-Butanone)	11	0.11	-	4.4E+03		5.0E-06
					Cumulative:	0.0E+00	2.4E-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 - Lyon Park
Site Address:	1101 Cornell Road and 1200 W. Lakewood Avenue, Durham NC
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000822
Exposure Unit ID:	LFGP-4 Risk Assessment
Submittal Date:	12/5/2025
Prepared By:	Brandon Governo
Reviewed By:	Jerry Paul

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

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	0.0E+00	4.0E-03	NO
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	0.0E+00	3.2E-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.

Exposure Point Concentrations **Input Form 2D**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

Exposure Unit ID: LFGP-4 Risk Assessment

Soil Gas Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

Note: Chemicals highlighted in orange are non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

Exposure Point Concentration (ug/m^3)	Notes:	CAS Number	Chemical	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening	Background Value	Screening Toxicity Value (Screening Level) (n/c)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion
35		67-64-1	Acetone			ug/m^3	LFGP-4									
12	2-Propanol	67-63-0	Isopropanol			ug/m^3	LFGP-4									
4	Reported as m,p-xylene	108-38-3	Xylene, m-			ug/m^3	LFGP-4									
4.1		95-47-6	Xylene, o-			ug/m^3	LFGP-4									
4	Reported as m,p-xylene	106-42-3	Xylene, p-			ug/m^3	LFGP-4									

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: NONCD0000822

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
67-64-1	Acetone	35	1.05	-	-		
67-63-0	Isopropanol	12	0.36	-	4.2E+01		1.7E-03
108-38-3	Xylene, m-	4	0.12	-	2.1E+01		1.2E-03
95-47-6	Xylene, o-	4.1	0.123	-	2.1E+01		1.2E-03
106-42-3	Xylene, p-	4	0.12	-	2.1E+01		1.2E-03
					Cumulative:	0.0E+00	5.2E-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: NONCD0000822

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
67-64-1	Acetone	35	0.35	-	-		
67-63-0	Isopropanol	12	0.12	-	1.8E+02		1.4E-04
108-38-3	Xylene, m-	4	0.04	-	8.8E+01		9.1E-05
95-47-6	Xylene, o-	4.1	0.041	-	8.8E+01		9.4E-05
106-42-3	Xylene, p-	4	0.04	-	8.8E+01		9.1E-05
					Cumulative:	0.0E+00	4.1E-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 - Lyon Park
Site Address:	1101 Cornell Road and 1200 W. Lakewood Avenue, Durham NC
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000822
Exposure Unit ID:	LFGP-5 Risk Assessment
Submittal Date:	12/5/2025
Prepared By:	Brandon Governo
Reviewed By:	Jerry Paul

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

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	2.5E-06	1.5E-01	NO
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	1.9E-07	1.2E-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.

Exposure Point Concentrations **Input Form 2D**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

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
43		67-64-1	Acetone			ug/m^3	LFGP-5									
10		67-66-3	Chloroform			ug/m^3	LFGP-5									
14	2-Propanol	67-63-0	Isopropanol			ug/m^3	LFGP-5									

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: NONCD0000822

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
67-64-1	Acetone	43	1.29	-	-		
67-66-3	Chloroform	10	0.3	1.2E-01	4.1E-01	**2.5E-06**	1.5E-01
67-63-0	Isopropanol	14	0.42	-	4.2E+01		2.0E-03
					Cumulative:	2.5E-06	1.5E-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: NONCD0000822

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
67-64-1	Acetone	43	0.43	-	-		
67-66-3	Chloroform	10	0.1	5.3E-01	1.7E+00	1.9E-07	1.2E-02
67-63-0	Isopropanol	14	0.14	-	1.8E+02		1.6E-04
					Cumulative:	1.9E-07	1.2E-02

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - Lyon Park
Site Address:	1101 Cornell Road and 1200 W. Lakewood Avenue, Durham NC
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000822
Exposure Unit ID:	LFGP-6 Risk Assessment
Submittal Date:	12/5/2025
Prepared By:	Brandon Governo
Reviewed By:	Jerry Paul

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

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	2.6E-06	5.2E-01	NO
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	2.0E-07	4.2E-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.

Exposure Point Concentrations **Input Form 2D**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

Exposure Unit ID: LFGP-6 Risk Assessment

Soil Gas Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

Only detetions above the method detection limit were input.

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
31		71-43-2	Benzene			ug/m^3	LFGP-6									
11		75-15-0	Carbon Disulfide			ug/m^3	LFGP-6									
15		110-82-7	Cyclohexane			ug/m^3	LFGP-6									
18	Freon 12	75-71-8	Dichlorodifluoromethane			ug/m^3	LFGP-6									
8.4	Hexane	E5241997	Hexane, Commercial			ug/m^3	LFGP-6									
34		7783-06-4	Hydrogen Sulfide			ug/m^3	LFGP-6									

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: NONCD0000822

Exposure Unit ID: LFGP-6 Risk Assessment

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
71-43-2	Benzene	31	0.93	3.6E-01	6.3E+00	**2.6E-06**	3.0E-02
75-15-0	Carbon Disulfide	11	0.33	-	1.5E+02		4.5E-04
110-82-7	Cyclohexane	15	0.45	-	1.3E+03		7.2E-05
75-71-8	Dichlorodifluoromethane	18	0.54	-	2.1E+01		5.2E-03
E5241997	Hexane, Commercial	8.4	0.252	1.4E+01	1.3E+02	1.8E-08	4.0E-04
7783-06-4	Hydrogen Sulfide	34	1.02	-	4.2E-01		**4.9E-01**
				Cumulative:		2.6E-06	5.2E-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: NONCD0000822

Exposure Unit ID: LFGP-6 Risk Assessment

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
71-43-2	Benzene	31	0.31	1.6E+00	2.6E+01	2.0E-07	2.4E-03
75-15-0	Carbon Disulfide	11	0.11	-	6.1E+02		3.6E-05
110-82-7	Cyclohexane	15	0.15	-	5.3E+03		5.7E-06
75-71-8	Dichlorodifluoromethane	18	0.18	-	8.8E+01		4.1E-04
E5241997	Hexane, Commercial	8.4	0.084	6.1E+01	5.3E+02	1.4E-09	3.2E-05
7783-06-4	Hydrogen Sulfide	34	0.34	-	1.8E+00		3.9E-02
					Cumulative:	2.0E-07	4.2E-02

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - Lyon Park
Site Address:	1101 Cornell Road and 1200 W. Lakewood Avenue, Durham NC
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000822
Exposure Unit ID:	LFGP-7 Risk Assessment
Submittal Date:	12/5/2025
Prepared By:	Brandon Governo
Reviewed By:	Jerry Paul

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

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	7.8E-07	1.3E+01	YES
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	6.0E-08	1.0E+00	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 **Input Form 2D**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

Exposure Unit ID: LFGP-7 Risk Assessment

Soil Gas Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

Note: Chemicals highlighted in orange are non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

Exposure Point Concentration (ug/m^3)	Notes:	CAS Number	Chemical	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening	Background Value	Screening Toxicity Value (Screening Level) (n/c)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion
33		67-64-1	Acetone			ug/m^3	LFGP-7									
9.3		71-43-2	Benzene			ug/m^3	LFGP-7									
71		75-15-0	Carbon Disulfide			ug/m^3	LFGP-7									
16		110-82-7	Cyclohexane			ug/m^3	LFGP-7									
4.4	Hexane	E5241997	Hexane, Commercial			ug/m^3	LFGP-7									
890		7783-06-4	Hydrogen Sulfide			ug/m^3	LFGP-7									
17	2-Propanol	67-63-0	Isopropanol			ug/m^3	LFGP-7									
2.2	Reported as m,p-xylene	108-38-3	Xylene, m-			ug/m^3	LFGP-7									
2.2	Reported as m,p-xylene	106-42-3	Xylene, p-			ug/m^3	LFGP-7									

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: NONCD0000822

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
67-64-1	Acetone	33	0.99	-	-		
71-43-2	Benzene	9.3	0.279	3.6E-01	6.3E+00	7.8E-07	8.9E-03
75-15-0	Carbon Disulfide	71	2.13	-	1.5E+02		2.9E-03
110-82-7	Cyclohexane	16	0.48	-	1.3E+03		7.7E-05
E5241997	Hexane, Commercial	4.4	0.132	1.4E+01	1.3E+02	9.4E-09	2.1E-04
7783-06-4	Hydrogen Sulfide	890	26.7	-	4.2E-01		**1.3E+01**
67-63-0	Isopropanol	17	0.51	-	4.2E+01		2.4E-03
108-38-3	Xylene, m-	2.2	0.066	-	2.1E+01		6.3E-04
106-42-3	Xylene, p-	2.2	0.066	-	2.1E+01		6.3E-04

Cumulative:	7.8E-07	**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: NONCD0000822

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
67-64-1	Acetone	33	0.33	-	-		
71-43-2	Benzene	9.3	0.093	1.6E+00	2.6E+01	5.9E-08	7.1E-04
75-15-0	Carbon Disulfide	71	0.71	-	6.1E+02		2.3E-04
110-82-7	Cyclohexane	16	0.16	-	5.3E+03		6.1E-06
E5241997	Hexane, Commercial	4.4	0.044	6.1E+01	5.3E+02	7.2E-10	1.7E-05
7783-06-4	Hydrogen Sulfide	890	8.9	-	1.8E+00		**1.0E+00**
67-63-0	Isopropanol	17	0.17	-	1.8E+02		1.9E-04
108-38-3	Xylene, m-	2.2	0.022	-	8.8E+01		5.0E-05
106-42-3	Xylene, p-	2.2	0.022	-	8.8E+01		5.0E-05
					Cumulative:	6.0E-08	**1.0E+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 - Lyon Park
Site Address:	1101 Cornell Road and 1200 W. Lakewood Avenue, Durham NC
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000822
Exposure Unit ID:	LFGP-8 Risk Assessment
Submittal Date:	12/5/2025
Prepared By:	Brandon Governo
Reviewed By:	Jerry Paul

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

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	1.9E-07	5.3E-02	NO
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	1.4E-08	4.2E-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.

Exposure Point Concentrations **Input Form 2D**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

Exposure Unit ID: LFGP-8 Risk Assessment

Soil Gas Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

Note: Chemicals highlighted in orange are non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

Exposure Point Concentration (ug/m^3)	Notes:	CAS Number	Chemical	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening	Background Value	Screening Toxicity Value (Screening Level) (n/c)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion
32		67-64-1	Acetone			ug/m^3	LFGP-8									
29	2-Propanol	67-63-0	Isopropanol			ug/m^3	LFGP-8									
68		127-18-4	Tetrachloroethylene			ug/m^3	LFGP-8									

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: NONCD0000822

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
67-64-1	Acetone	32	0.96	-	-		
67-63-0	Isopropanol	29	0.87	-	4.2E+01		4.2E-03
127-18-4	Tetrachloroethylene	68	2.04	1.1E+01	8.3E+00	1.9E-07	4.9E-02
					Cumulative:	1.9E-07	5.3E-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: NONCD0000822

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
67-64-1	Acetone	32	0.32	-	-		
67-63-0	Isopropanol	29	0.29	-	1.8E+02		3.3E-04
127-18-4	Tetrachloroethylene	68	0.68	4.7E+01	3.5E+01	1.4E-08	3.9E-03
					Cumulative:	1.4E-08	4.2E-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 - Lyon Park
Site Address:	1101 Cornell Road and 1200 W. Lakewood Avenue, Durham NC
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000822
Exposure Unit ID:	LFGP-9 Risk Assessment
Submittal Date:	12/5/2025
Prepared By:	Brandon Governo
Reviewed By:	Jerry Paul

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

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	3.2E-03	NO
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	0.0E+00	2.5E-04	NO
	Indoor Air	NC	NC	NC

CONTAMINANT MIGRATION CALCULATORS

Pathway	Source	Target Receptor Concentrations Exceeded?	
Groundwater	Source Soil	Exceedence of 2L at Receptor?	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 **Input Form 2D**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

Exposure Unit ID: LFGP-9 Risk Assessment

Soil Gas Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

Note: Chemicals highlighted in orange are non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

Exposure Point Concentration (ug/m^3)	Notes:	CAS Number	Chemical	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening	Background Value	Screening Toxicity Value (Screening Level) (n/c)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion
22	2-Propanol	67-63-0	Isopropanol			ug/m^3	LFGP-9									
7.6	Freon 113	76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-			ug/m^3	LFGP-9									

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: NONCD0000822

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
67-63-0	Isopropanol	22	0.66	-	4.2E+01		3.2E-03
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	7.6	0.228	-	1.0E+03		4.4E-05
					Cumulative:	0.0E+00	3.2E-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: NONCD0000822

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
67-63-0	Isopropanol	22	0.22	-	1.8E+02		2.5E-04
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	7.6	0.076	-	4.4E+03		3.5E-06
					Cumulative:	0.0E+00	2.5E-04

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - Lyon Park
Site Address:	1101 Cornell Road and 1200 W. Lakewood Avenue, Durham NC
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000822
Exposure Unit ID:	LFGP-10 Risk Assessment
Submittal Date:	12/5/2025
Prepared By:	Brandon Governo
Reviewed By:	Jerry Paul

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

Exposure Unit ID: LFGP-10 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	NC	NC	NC
	Surface Water*	NC	NC	NC

VAPOR INTRUSION CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	0.0E+00	6.0E-03	NO
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	0.0E+00	4.8E-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.

Exposure Point Concentrations **Input Form 2D**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

Exposure Unit ID: LFGP-10 Risk Assessment

Soil Gas Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

Note: Chemicals highlighted in orange are non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

Exposure Point Concentration (ug/m^3)	Notes:	CAS Number	Chemical	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening	Background Value	Screening Toxicity Value (Screening Level) (n/c)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion
120		67-64-1	Acetone			ug/m^3	LFGP-10									
16		67-66-3	Chloroform			ug/m^3	LFGP-10									
42	2-Propanol	67-63-0	Isopropanol			ug/m^3	LFGP-10									

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: NONCD0000822

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
67-64-1	Acetone	120	3.6	-	-		
67-66-3	Chloroform	16	0.48	1.2E-01	4.1E-01	**3.9E-06**	**2.4E-01**
67-63-0	Isopropanol	42	1.26	-	4.2E+01		6.0E-03
					Cumulative:	3.9E-06	2.4E-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: NONCD0000822

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
67-64-1	Acetone	120	1.2	-	-		
67-66-3	Chloroform	16	0.16	5.3E-01	1.7E+00	3.0E-07	1.9E-02
67-63-0	Isopropanol	42	0.42	-	1.8E+02		4.8E-04
					Cumulative:	3.0E-07	1.9E-02

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - Lyon Park
Site Address:	1101 Cornell Road and 1200 W. Lakewood Avenue, Durham, NC
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000822
Exposure Unit ID:	SED-1 Risk Assessment
Submittal Date:	9/23/2025
Prepared By:	Clay Faircloth
Reviewed By:	Jerry Paul

Exposure Point Concentrations **Input Form 2A**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

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
0.141	J	7440-36-0	Antimony (metallic)			mg/kg	SED-1									
1.33		7440-38-2	Arsenic, Inorganic			mg/kg	SED-1									
50.4		7440-39-3	Barium			mg/kg	SED-1									
0.436		7440-41-7	Beryllium and compounds			mg/kg	SED-1									
0.106		7440-43-9	Cadmium (Diet)			mg/kg	SED-1									
9.12		16065-83-1	Chromium(III), Insoluble Salts			mg/kg	SED-1									
7.19		7440-48-4	Cobalt			mg/kg	SED-1									
11.2		7440-50-8	Copper			mg/kg	SED-1									
0.0163		123-91-1	Dioxane, 1,4-			mg/kg	SED-1									
16.9		7439-92-1	~Lead and Compounds			mg/kg	SED-1									
187		7439-96-5	Manganese (Non-diet)			mg/kg	SED-1									
0.012	J	7439-97-6	~Mercury (elemental)			mg/kg	SED-1									
21.3		7440-02-0	Nickel Soluble Salts			mg/kg	SED-1									
0.209	J	7782-49-2	Selenium			mg/kg	SED-1									
0.0127	J	7440-22-4	Silver			mg/kg	SED-1									
0.0505	J	7440-28-0	Thallium (Soluble Salts)			mg/kg	SED-1									
15.3		7440-62-2	Vanadium and Compounds			mg/kg	SED-1									
48.7		7440-66-6	Zinc and Compounds			mg/kg	SED-1									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

Exposure Unit ID: SED-1 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	2.0E-06	5.9E-01	NO
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	4.4E-07	4.0E-02	NO
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	8.4E-07	2.5E-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: NONCD0000822

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
7440-36-0	Antimony (metallic)	0.141	0.141	0.141					4.5E-03		7.6E-09	4.5E-03
7440-38-2	Arsenic, Inorganic	1.33	1.33	1.33	**1.7E-06**	2.4E-07	3.4E-11	2.0E-06	3.4E-02	4.0E-03	1.4E-06	3.8E-02
7440-39-3	Barium	50.4	50.4	50.4					3.2E-03		1.6E-06	3.2E-03
7440-41-7	Beryllium and compounds	0.436	0.436	0.436			6.3E-12	6.3E-12	2.8E-03		3.5E-07	2.8E-03
7440-43-9	Cadmium (Diet)	0.106	0.106	0.106			1.1E-12	1.1E-12	1.4E-02	1.3E-03	1.7E-07	1.5E-02
16065-83-1	Chromium(III), Insoluble Salts	9.12	9.12	9.12					7.8E-05			7.8E-05
7440-48-4	Cobalt	7.19	7.19	7.19			3.9E-10	3.9E-10	**3.1E-01**		1.9E-05	**3.1E-01**
7440-50-8	Copper	11.2	11.2	11.2					3.6E-03			3.6E-03
123-91-1	Dioxane, 1,4-	0.0163	0.0163	0.0163	2.3E-09		6.9E-10	3.0E-09	6.9E-06		1.2E-05	1.9E-05
7439-92-1	~Lead and Compounds	16.9	16.9	16.9					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	187	187	187					1.0E-01		6.0E-05	1.0E-01
7439-97-6	~Mercury (elemental)	0.012	0.012	0.012							1.6E-03	1.6E-03
7440-02-0	Nickel Soluble Salts	21.3	21.3	21.3			3.3E-11	3.3E-11	1.4E-02		3.4E-05	1.4E-02
7782-49-2	Selenium	0.209	0.209	0.209					5.3E-04		1.7E-10	5.3E-04
7440-22-4	Silver	0.0127	0.0127	0.0127					3.2E-05			3.2E-05
7440-28-0	Thallium (Soluble Salts)	0.0505	0.0505	0.0505					6.5E-02			6.5E-02
7440-62-2	Vanadium and Compounds	15.3	15.3	15.3					3.9E-02		2.5E-06	3.9E-02
7440-66-6	Zinc and Compounds	48.7	48.7	48.7					2.1E-03			2.1E-03
						Cumulative:		2.0E-06				5.9E-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: NONCD0000822

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
7440-36-0	Antimony (metallic)	0.141	0.141	0.141					3.0E-04		1.8E-09	3.0E-04
7440-38-2	Arsenic, Inorganic	1.33	1.33	1.33	3.7E-07	7.7E-08	7.9E-12	4.4E-07	2.3E-03	4.8E-04	3.4E-07	2.8E-03
7440-39-3	Barium	50.4	50.4	50.4					2.2E-04		3.9E-07	2.2E-04
7440-41-7	Beryllium and compounds	0.436	0.436	0.436			1.4E-12	1.4E-12	1.9E-04		8.4E-08	1.9E-04
7440-43-9	Cadmium (Diet)	0.106	0.106	0.106			2.6E-13	2.6E-13	9.1E-04	1.5E-04	4.1E-08	1.1E-03
16065-83-1	Chromium(III), Insoluble Salts	9.12	9.12	9.12					5.2E-06			5.2E-06
7440-48-4	Cobalt	7.19	7.19	7.19			8.9E-11	8.9E-11	2.1E-02		4.6E-06	2.1E-02
7440-50-8	Copper	11.2	11.2	11.2					2.4E-04			2.4E-04
123-91-1	Dioxane, 1,4-	0.0163	0.0163	0.0163	5.0E-10		1.6E-10	6.6E-10	4.7E-07		2.9E-06	3.4E-06
7439-92-1	~Lead and Compounds	16.9	16.9	16.9					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	187	187	187					6.7E-03		1.4E-05	6.7E-03
7439-97-6	~Mercury (elemental)	0.012	0.012	0.012							3.8E-04	3.8E-04
7440-02-0	Nickel Soluble Salts	21.3	21.3	21.3			7.6E-12	7.6E-12	9.1E-04		8.2E-06	9.2E-04
7782-49-2	Selenium	0.209	0.209	0.209					3.6E-05		4.0E-11	3.6E-05
7440-22-4	Silver	0.0127	0.0127	0.0127					2.2E-06			2.2E-06
7440-28-0	Thallium (Soluble Salts)	0.0505	0.0505	0.0505					4.3E-03			4.3E-03
7440-62-2	Vanadium and Compounds	15.3	15.3	15.3					2.6E-03		5.9E-07	2.6E-03
7440-66-6	Zinc and Compounds	48.7	48.7	48.7					1.4E-04			1.4E-04
						Cumulative:		4.4E-07				4.0E-02

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Soil **Output Form 2F**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

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
7440-36-0	Antimony (metallic)	0.141	0.141	0.141					1.9E-03		2.7E-10	1.9E-03
7440-38-2	Arsenic, Inorganic	1.33	1.33	1.33	7.4E-07	1.0E-07	1.2E-12	8.4E-07	1.5E-02	1.7E-03	5.1E-08	1.6E-02
7440-39-3	Barium	50.4	50.4	50.4					1.4E-03		5.8E-08	1.4E-03
7440-41-7	Beryllium and compounds	0.436	0.436	0.436			2.2E-13	2.2E-13	1.2E-03		1.3E-08	1.2E-03
7440-43-9	Cadmium (Diet)	0.106	0.106	0.106			4.1E-14	4.1E-14	5.8E-03	5.5E-04	6.1E-09	6.4E-03
16065-83-1	Chromium(III), Insoluble Salts	9.12	9.12	9.12					3.3E-05			3.3E-05
7440-48-4	Cobalt	7.19	7.19	7.19			1.4E-11	1.4E-11	1.3E-01		6.9E-07	1.3E-01
7440-50-8	Copper	11.2	11.2	11.2					1.5E-03			1.5E-03
123-91-1	Dioxane, 1,4-	0.0163	0.0163	0.0163	1.0E-09		2.5E-11	1.0E-09	3.0E-06		4.4E-07	3.4E-06
7439-92-1	~Lead and Compounds	16.9	16.9	16.9					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	187	187	187					4.3E-02		2.2E-06	4.3E-02
7439-97-6	~Mercury (elemental)	0.012	0.012	0.012							5.7E-05	5.7E-05
7440-02-0	Nickel Soluble Salts	21.3	21.3	21.3			1.2E-12	1.2E-12	5.8E-03		1.2E-06	5.8E-03
7782-49-2	Selenium	0.209	0.209	0.209					2.3E-04		6.0E-12	2.3E-04
7440-22-4	Silver	0.0127	0.0127	0.0127					1.4E-05			1.4E-05
7440-28-0	Thallium (Soluble Salts)	0.0505	0.0505	0.0505					2.8E-02			2.8E-02
7440-62-2	Vanadium and Compounds	15.3	15.3	15.3					1.7E-02		8.8E-08	1.7E-02
7440-66-6	Zinc and Compounds	48.7	48.7	48.7					8.9E-04			8.9E-04
						Cumulative:		8.4E-07				2.5E-01

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - Lyon Park
Site Address:	1101 Cornell Road and 1200 W. Lakewood Avenue, Durham, NC
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000822
Exposure Unit ID:	SED-2 Risk Assessment
Submittal Date:	11/7/2025
Prepared By:	Jonathan Olanin
Reviewed By:	Jerry Paul

Exposure Point Concentrations **Input Form 2A**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

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
0.018	J	67-64-1	Acetone			mg/kg	SED-2									
0.139	J	7440-36-0	Antimony (metallic)			mg/kg	SED-2									
0.732		7440-38-2	Arsenic, Inorganic			mg/kg	SED-2									
39.8		7440-39-3	Barium			mg/kg	SED-2									
0.242		7440-41-7	Beryllium and compounds			mg/kg	SED-2									
0.0564		7440-43-9	Cadmium (Diet)			mg/kg	SED-2									
8.97		16065-83-1	Chromium(III), Insoluble Salts			mg/kg	SED-2									
3.33		7440-48-4	Cobalt			mg/kg	SED-2									
11.4		7440-50-8	Copper			mg/kg	SED-2									
0.0097		123-91-1	Dioxane, 1,4-			mg/kg	SED-2									
25.4		7439-92-1	~Lead and Compounds			mg/kg	SED-2									
129		7439-96-5	Manganese (Non-diet)			mg/kg	SED-2									
0.0213	J	7439-97-6	~Mercury (elemental)			mg/kg	SED-2									
9.15		7440-02-0	Nickel Soluble Salts			mg/kg	SED-2									
0.215	J	7782-49-2	Selenium			mg/kg	SED-2									
0.0272	J	7440-22-4	Silver			mg/kg	SED-2									
14		7440-62-2	Vanadium and Compounds			mg/kg	SED-2									
48.4		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: NONCD0000822

Exposure Unit ID: SED-2 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	1.1E-06	3.0E-01	NO
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	2.4E-07	2.1E-02	NO
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	4.6E-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: NONCD0000822

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	0.018	0.018	0.018					2.6E-07			2.6E-07
7440-36-0	Antimony (metallic)	0.139	0.139	0.139					4.4E-03		7.5E-09	4.4E-03
7440-38-2	Arsenic, Inorganic	0.732	0.732	0.732	9.5E-07	1.3E-07	1.9E-11	1.1E-06	1.9E-02	2.2E-03	7.9E-07	2.1E-02
7440-39-3	Barium	39.8	39.8	39.8					2.5E-03		1.3E-06	2.5E-03
7440-41-7	Beryllium and compounds	0.242	0.242	0.242			3.5E-12	3.5E-12	1.5E-03		2.0E-07	1.5E-03
7440-43-9	Cadmium (Diet)	0.0564	0.0564	0.0564			6.1E-13	6.1E-13	7.2E-03	6.8E-04	9.1E-08	7.9E-03
16065-83-1	Chromium(III), Insoluble Salts	8.97	8.97	8.97					7.6E-05			7.6E-05
7440-48-4	Cobalt	3.33	3.33	3.33			1.8E-10	1.8E-10	1.4E-01		9.0E-06	1.4E-01
7440-50-8	Copper	11.4	11.4	11.4					3.6E-03			3.6E-03
123-91-1	Dioxane, 1,4-	0.0097	0.0097	0.0097	1.4E-09		4.1E-10	1.8E-09	4.1E-06		7.4E-06	1.1E-05
7439-92-1	~Lead and Compounds	25.4	25.4	25.4					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	129	129	129					6.9E-02		4.2E-05	6.9E-02
7439-97-6	~Mercury (elemental)	0.0213	0.0213	0.0213							2.8E-03	2.8E-03
7440-02-0	Nickel Soluble Salts	9.15	9.15	9.15			1.4E-11	1.4E-11	5.8E-03		1.5E-05	5.9E-03
7782-49-2	Selenium	0.215	0.215	0.215					5.5E-04		1.7E-10	5.5E-04
7440-22-4	Silver	0.0272	0.0272	0.0272					7.0E-05			7.0E-05
7440-62-2	Vanadium and Compounds	14	14	14					3.6E-02		2.3E-06	3.6E-02
7440-66-6	Zinc and Compounds	48.4	48.4	48.4					2.1E-03			2.1E-03
						Cumulative:		1.1E-06				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: NONCD0000822

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	0.018	0.018	0.018					1.7E-08			1.7E-08
7440-36-0	Antimony (metallic)	0.139	0.139	0.139					3.0E-04		1.8E-09	3.0E-04
7440-38-2	Arsenic, Inorganic	0.732	0.732	0.732	2.0E-07	4.3E-08	4.3E-12	2.4E-07	1.3E-03	2.7E-04	1.9E-07	1.5E-03
7440-39-3	Barium	39.8	39.8	39.8					1.7E-04		3.1E-07	1.7E-04
7440-41-7	Beryllium and compounds	0.242	0.242	0.242			8.0E-13	8.0E-13	1.0E-04		4.7E-08	1.0E-04
7440-43-9	Cadmium (Diet)	0.0564	0.0564	0.0564			1.4E-13	1.4E-13	4.8E-04	8.2E-05	2.2E-08	5.6E-04
16065-83-1	Chromium(III), Insoluble Salts	8.97	8.97	8.97					5.1E-06			5.1E-06
7440-48-4	Cobalt	3.33	3.33	3.33			4.1E-11	4.1E-11	9.5E-03		2.1E-06	9.5E-03
7440-50-8	Copper	11.4	11.4	11.4					2.4E-04			2.4E-04
123-91-1	Dioxane, 1,4-	0.0097	0.0097	0.0097	3.0E-10		9.4E-11	3.9E-10	2.8E-07		1.8E-06	2.0E-06
7439-92-1	~Lead and Compounds	25.4	25.4	25.4					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	129	129	129					4.6E-03		9.9E-06	4.6E-03
7439-97-6	~Mercury (elemental)	0.0213	0.0213	0.0213							6.7E-04	6.7E-04
7440-02-0	Nickel Soluble Salts	9.15	9.15	9.15			3.3E-12	3.3E-12	3.9E-04		3.5E-06	4.0E-04
7782-49-2	Selenium	0.215	0.215	0.215					3.7E-05		4.1E-11	3.7E-05
7440-22-4	Silver	0.0272	0.0272	0.0272					4.7E-06			4.7E-06
7440-62-2	Vanadium and Compounds	14	14	14					2.4E-03		5.4E-07	2.4E-03
7440-66-6	Zinc and Compounds	48.4	48.4	48.4					1.4E-04			1.4E-04
						Cumulative:		2.4E-07				2.1E-02

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Soil **Output Form 2F**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

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	0.018	0.018	0.018					1.1E-07			1.1E-07
7440-36-0	Antimony (metallic)	0.139	0.139	0.139					1.9E-03		2.7E-10	1.9E-03
7440-38-2	Arsenic, Inorganic	0.732	0.732	0.732	4.1E-07	5.7E-08	6.7E-13	4.6E-07	8.0E-03	9.5E-04	2.8E-08	9.0E-03
7440-39-3	Barium	39.8	39.8	39.8					1.1E-03		4.6E-08	1.1E-03
7440-41-7	Beryllium and compounds	0.242	0.242	0.242			1.2E-13	1.2E-13	6.6E-04		7.0E-09	6.6E-04
7440-43-9	Cadmium (Diet)	0.0564	0.0564	0.0564			2.2E-14	2.2E-14	3.1E-03	2.9E-04	3.3E-09	3.4E-03
16065-83-1	Chromium(III), Insoluble Salts	8.97	8.97	8.97					3.3E-05			3.3E-05
7440-48-4	Cobalt	3.33	3.33	3.33			6.4E-12	6.4E-12	6.1E-02		3.2E-07	6.1E-02
7440-50-8	Copper	11.4	11.4	11.4					1.6E-03			1.6E-03
123-91-1	Dioxane, 1,4-	0.0097	0.0097	0.0097	6.0E-10		1.5E-11	6.1E-10	1.8E-06		2.6E-07	2.0E-06
7439-92-1	~Lead and Compounds	25.4	25.4	25.4					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	129	129	129					2.9E-02		1.5E-06	2.9E-02
7439-97-6	~Mercury (elemental)	0.0213	0.0213	0.0213							1.0E-04	1.0E-04
7440-02-0	Nickel Soluble Salts	9.15	9.15	9.15			5.1E-13	5.1E-13	2.5E-03		5.3E-07	2.5E-03
7782-49-2	Selenium	0.215	0.215	0.215					2.4E-04		6.2E-12	2.4E-04
7440-22-4	Silver	0.0272	0.0272	0.0272					3.0E-05			3.0E-05
7440-62-2	Vanadium and Compounds	14	14	14					1.5E-02		8.1E-08	1.5E-02
7440-66-6	Zinc and Compounds	48.4	48.4	48.4					8.8E-04			8.8E-04
						Cumulative:		4.6E-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 - Lyon Park
Site Address:	1101 Cornell Road and 1200 W. Lakewood Avenue, Durham, NC
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000822
Exposure Unit ID:	SED-3 Risk Assessment
Submittal Date:	11/7/2025
Prepared By:	Jonathan Olanin
Reviewed By:	Jerry Paul

Exposure Point Concentrations **Input Form 2A**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

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
0.0211	J	67-64-1	Acetone			mg/kg	SED-3									
0.243	J	7440-36-0	Antimony (metallic)			mg/kg	SED-3									
1.74		7440-38-2	Arsenic, Inorganic			mg/kg	SED-3									
36.8		7440-39-3	Barium			mg/kg	SED-3									
0.186		7440-41-7	Beryllium and compounds			mg/kg	SED-3									
0.106		7440-43-9	Cadmium (Diet)			mg/kg	SED-3									
9.4		16065-83-1	Chromium(III), Insoluble Salts			mg/kg	SED-3									
4.06		7440-48-4	Cobalt			mg/kg	SED-3									
11.7		7440-50-8	Copper			mg/kg	SED-3									
0.00705		123-91-1	Dioxane, 1,4-			mg/kg	SED-3									
66.8		7439-92-1	~Lead and Compounds			mg/kg	SED-3									
116		7439-96-5	Manganese (Non-diet)			mg/kg	SED-3									
0.025	J	7439-97-6	~Mercury (elemental)			mg/kg	SED-3									
13.7		7440-02-0	Nickel Soluble Salts			mg/kg	SED-3									
0.472	J	206-44-0	~Fluoranthene			mg/kg	SED-3									
0.206	J	7782-49-2	Selenium			mg/kg	SED-3									
0.0126	J	7440-22-4	Silver			mg/kg	SED-3									
19		7440-62-2	Vanadium and Compounds			mg/kg	SED-3									
51.8		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: NONCD0000822

Exposure Unit ID: SED-3 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	2.6E-06	3.8E-01	NO
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	5.8E-07	2.6E-02	NO
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	1.1E-06	1.6E-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: NONCD0000822

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	0.0211	0.0211	0.0211					3.0E-07			3.0E-07
7440-36-0	Antimony (metallic)	0.243	0.243	0.243					7.8E-03		1.3E-08	7.8E-03
7440-38-2	Arsenic, Inorganic	1.74	1.74	1.74	**2.3E-06**	3.2E-07	4.5E-11	2.6E-06	4.4E-02	5.3E-03	1.9E-06	5.0E-02
7440-39-3	Barium	36.8	36.8	36.8					2.4E-03		1.2E-06	2.4E-03
7440-41-7	Beryllium and compounds	0.186	0.186	0.186			2.7E-12	2.7E-12	1.2E-03		1.5E-07	1.2E-03
7440-43-9	Cadmium (Diet)	0.106	0.106	0.106			1.1E-12	1.1E-12	1.4E-02	1.3E-03	1.7E-07	1.5E-02
16065-83-1	Chromium(III), Insoluble Salts	9.4	9.4	9.4					8.0E-05			8.0E-05
7440-48-4	Cobalt	4.06	4.06	4.06			2.2E-10	2.2E-10	1.7E-01		1.1E-05	1.7E-01
7440-50-8	Copper	11.7	11.7	11.7					3.7E-03			3.7E-03
123-91-1	Dioxane, 1,4-	0.00705	0.00705	0.00705	1.0E-09		3.0E-10	1.3E-09	3.0E-06		5.3E-06	8.4E-06
7439-92-1	~Lead and Compounds	66.8	66.8	66.8					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	116	116	116					6.2E-02		3.7E-05	6.2E-02
7439-97-6	~Mercury (elemental)	0.025	0.025	0.025							3.3E-03	3.3E-03
7440-02-0	Nickel Soluble Salts	13.7	13.7	13.7			2.1E-11	2.1E-11	8.8E-03		2.2E-05	8.8E-03
206-44-0	~Fluoranthene	0.472	0.472	0.472					1.5E-04	4.7E-05		2.0E-04
7782-49-2	Selenium	0.206	0.206	0.206					5.3E-04		1.7E-10	5.3E-04
7440-22-4	Silver	0.0126	0.0126	0.0126					3.2E-05			3.2E-05
7440-62-2	Vanadium and Compounds	19	19	19					4.8E-02		3.1E-06	4.8E-02
7440-66-6	Zinc and Compounds	51.8	51.8	51.8					2.2E-03			2.2E-03
						Cumulative:		2.6E-06				3.8E-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: NONCD0000822

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	0.0211	0.0211	0.0211					2.0E-08			2.0E-08
7440-36-0	Antimony (metallic)	0.243	0.243	0.243					5.2E-04		3.1E-09	5.2E-04
7440-38-2	Arsenic, Inorganic	1.74	1.74	1.74	4.8E-07	1.0E-07	1.0E-11	5.8E-07	3.0E-03	6.3E-04	4.5E-07	3.6E-03
7440-39-3	Barium	36.8	36.8	36.8					1.6E-04		2.8E-07	1.6E-04
7440-41-7	Beryllium and compounds	0.186	0.186	0.186			6.1E-13	6.1E-13	8.0E-05		3.6E-08	8.0E-05
7440-43-9	Cadmium (Diet)	0.106	0.106	0.106			2.6E-13	2.6E-13	9.1E-04	1.5E-04	4.1E-08	1.1E-03
16065-83-1	Chromium(III), Insoluble Salts	9.4	9.4	9.4					5.4E-06			5.4E-06
7440-48-4	Cobalt	4.06	4.06	4.06			5.0E-11	5.0E-11	1.2E-02		2.6E-06	1.2E-02
7440-50-8	Copper	11.7	11.7	11.7					2.5E-04			2.5E-04
123-91-1	Dioxane, 1,4-	0.00705	0.00705	0.00705	2.2E-10		6.8E-11	2.8E-10	2.0E-07		1.3E-06	1.5E-06
7439-92-1	~Lead and Compounds	66.8	66.8	66.8					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	116	116	116					4.1E-03		8.9E-06	4.1E-03
7439-97-6	~Mercury (elemental)	0.025	0.025	0.025							7.9E-04	7.9E-04
7440-02-0	Nickel Soluble Salts	13.7	13.7	13.7			4.9E-12	4.9E-12	5.9E-04		5.3E-06	5.9E-04
206-44-0	~Fluoranthene	0.472	0.472	0.472					1.0E-05	5.6E-06		1.6E-05
7782-49-2	Selenium	0.206	0.206	0.206					3.5E-05		4.0E-11	3.5E-05
7440-22-4	Silver	0.0126	0.0126	0.0126					2.2E-06			2.2E-06
7440-62-2	Vanadium and Compounds	19	19	19					3.2E-03		7.3E-07	3.2E-03
7440-66-6	Zinc and Compounds	51.8	51.8	51.8					1.5E-04			1.5E-04
						Cumulative:		5.8E-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: NONCD0000822

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	0.0211	0.0211	0.0211					1.3E-07			1.3E-07
7440-36-0	Antimony (metallic)	0.243	0.243	0.243					3.3E-03		4.7E-10	3.3E-03
7440-38-2	Arsenic, Inorganic	1.74	1.74	1.74	9.7E-07	1.4E-07	1.6E-12	**1.1E-06**	1.9E-02	2.3E-03	6.7E-08	2.1E-02
7440-39-3	Barium	36.8	36.8	36.8					1.0E-03		4.2E-08	1.0E-03
7440-41-7	Beryllium and compounds	0.186	0.186	0.186			9.6E-14	9.6E-14	5.1E-04		5.4E-09	5.1E-04
7440-43-9	Cadmium (Diet)	0.106	0.106	0.106			4.1E-14	4.1E-14	5.8E-03	5.5E-04	6.1E-09	6.4E-03
16065-83-1	Chromium(III), Insoluble Salts	9.4	9.4	9.4					3.4E-05			3.4E-05
7440-48-4	Cobalt	4.06	4.06	4.06			7.8E-12	7.8E-12	7.4E-02		3.9E-07	7.4E-02
7440-50-8	Copper	11.7	11.7	11.7					1.6E-03			1.6E-03
123-91-1	Dioxane, 1,4-	0.00705	0.00705	0.00705	4.3E-10		1.1E-11	4.5E-10	1.3E-06		1.9E-07	1.5E-06
7439-92-1	~Lead and Compounds	66.8	66.8	66.8					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	116	116	116					2.6E-02		1.3E-06	2.6E-02
7439-97-6	~Mercury (elemental)	0.025	0.025	0.025							1.2E-04	1.2E-04
7440-02-0	Nickel Soluble Salts	13.7	13.7	13.7			7.6E-13	7.6E-13	3.8E-03		7.9E-07	3.8E-03
206-44-0	~Fluoranthene	0.472	0.472	0.472					6.5E-05	2.0E-05		8.5E-05
7782-49-2	Selenium	0.206	0.206	0.206					2.3E-04		5.9E-12	2.3E-04
7440-22-4	Silver	0.0126	0.0126	0.0126					1.4E-05			1.4E-05
7440-62-2	Vanadium and Compounds	19	19	19					2.1E-02		1.1E-07	2.1E-02
7440-66-6	Zinc and Compounds	51.8	51.8	51.8					9.5E-04			9.5E-04
						Cumulative:		1.1E-06				1.6E-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 - Lyon Park
Site Address:	1101 Cornell Road and 1200 W. Lakewood Avenue, Durham, NC
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000822
Exposure Unit ID:	SED-4 Risk Assessment
Submittal Date:	11/7/2025
Prepared By:	Jonathan Olanin
Reviewed By:	Jerry Paul

Exposure Point Concentrations **Input Form 2A**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

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
0.468	J	7664-41-7	Ammonia			mg/kg	SED-4									
0.417	J	7440-36-0	Antimony (metallic)			mg/kg	SED-4									
0.851		7440-38-2	Arsenic, Inorganic			mg/kg	SED-4									
36.2		7440-39-3	Barium			mg/kg	SED-4									
0.252		7440-41-7	Beryllium and compounds			mg/kg	SED-4									
0.115		7440-43-9	Cadmium (Diet)			mg/kg	SED-4									
8.28		16065-83-1	Chromium(III), Insoluble Salts			mg/kg	SED-4									
4.16		7440-48-4	Cobalt			mg/kg	SED-4									
15.7		7440-50-8	Copper			mg/kg	SED-4									
0.0132		123-91-1	Dioxane, 1,4-			mg/kg	SED-4									
125		7439-92-1	~Lead and Compounds			mg/kg	SED-4									
98.8		7439-96-5	Manganese (Non-diet)			mg/kg	SED-4									
0.0184	J	7439-97-6	~Mercury (elemental)			mg/kg	SED-4									
15		7440-02-0	Nickel Soluble Salts			mg/kg	SED-4									
0.21	J	7782-49-2	Selenium			mg/kg	SED-4									
0.0225	J	7440-22-4	Silver			mg/kg	SED-4									
13.3		7440-62-2	Vanadium and Compounds			mg/kg	SED-4									
71		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: NONCD0000822

Exposure Unit ID: SED-4 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	1.3E-06	3.4E-01	NO
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	2.8E-07	2.4E-02	NO
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	5.4E-07	1.5E-01	NO
	Surface Water*	NC	NC	NC

VAPOR INTRUSION CALCULATORS

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

CONTAMINANT MIGRATION CALCULATORS

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

Notes:

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

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

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

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
7664-41-7	Ammonia	0.468	0.468	0.468							1.5E-11	1.5E-11
7440-36-0	Antimony (metallic)	0.417	0.417	0.417					1.3E-02		2.2E-08	1.3E-02
7440-38-2	Arsenic, Inorganic	0.851	0.851	0.851	**1.1E-06**	1.5E-07	2.2E-11	1.3E-06	2.2E-02	2.6E-03	9.2E-07	2.4E-02
7440-39-3	Barium	36.2	36.2	36.2					2.3E-03		1.2E-06	2.3E-03
7440-41-7	Beryllium and compounds	0.252	0.252	0.252			3.6E-12	3.6E-12	1.6E-03		2.0E-07	1.6E-03
7440-43-9	Cadmium (Diet)	0.115	0.115	0.115			1.2E-12	1.2E-12	1.5E-02	1.4E-03	1.9E-07	1.6E-02
16065-83-1	Chromium(III), Insoluble Salts	8.28	8.28	8.28					7.1E-05			7.1E-05
7440-48-4	Cobalt	4.16	4.16	4.16			2.2E-10	2.2E-10	1.8E-01		1.1E-05	1.8E-01
7440-50-8	Copper	15.7	15.7	15.7					5.0E-03			5.0E-03
123-91-1	Dioxane, 1,4-	0.0132	0.0132	0.0132	1.9E-09		5.6E-10	2.5E-09	5.6E-06		1.0E-05	1.6E-05
7439-92-1	~Lead and Compounds	125	125	125					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	98.8	98.8	98.8					5.3E-02		3.2E-05	5.3E-02
7439-97-6	~Mercury (elemental)	0.0184	0.0184	0.0184							2.4E-03	2.4E-03
7440-02-0	Nickel Soluble Salts	15	15	15			2.3E-11	2.3E-11	9.6E-03		2.4E-05	9.6E-03
7782-49-2	Selenium	0.21	0.21	0.21					5.4E-04		1.7E-10	5.4E-04
7440-22-4	Silver	0.0225	0.0225	0.0225					5.8E-05			5.8E-05
7440-62-2	Vanadium and Compounds	13.3	13.3	13.3					3.4E-02		2.1E-06	3.4E-02
7440-66-6	Zinc and Compounds	71	71	71					3.0E-03			3.0E-03
						Cumulative:		1.3E-06				3.4E-01

DEQ Risk Calculator - Direct Contact - Non-Residential Worker Soil **Output Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

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
7664-41-7	Ammonia	0.468	0.468	0.468							3.6E-12	3.6E-12
7440-36-0	Antimony (metallic)	0.417	0.417	0.417					8.9E-04		5.3E-09	8.9E-04
7440-38-2	Arsenic, Inorganic	0.851	0.851	0.851	2.3E-07	5.0E-08	5.0E-12	2.8E-07	1.5E-03	3.1E-04	2.2E-07	1.8E-03
7440-39-3	Barium	36.2	36.2	36.2					1.5E-04		2.8E-07	1.6E-04
7440-41-7	Beryllium and compounds	0.252	0.252	0.252			8.3E-13	8.3E-13	1.1E-04		4.8E-08	1.1E-04
7440-43-9	Cadmium (Diet)	0.115	0.115	0.115			2.8E-13	2.8E-13	9.8E-04	1.7E-04	4.4E-08	1.2E-03
16065-83-1	Chromium(III), Insoluble Salts	8.28	8.28	8.28					4.7E-06			4.7E-06
7440-48-4	Cobalt	4.16	4.16	4.16			5.1E-11	5.1E-11	1.2E-02		2.7E-06	1.2E-02
7440-50-8	Copper	15.7	15.7	15.7					3.4E-04			3.4E-04
123-91-1	Dioxane, 1,4-	0.0132	0.0132	0.0132	4.0E-10		1.3E-10	5.3E-10	3.8E-07		2.4E-06	2.8E-06
7439-92-1	~Lead and Compounds	125	125	125					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	98.8	98.8	98.8					3.5E-03		7.6E-06	3.5E-03
7439-97-6	~Mercury (elemental)	0.0184	0.0184	0.0184							5.8E-04	5.8E-04
7440-02-0	Nickel Soluble Salts	15	15	15			5.4E-12	5.4E-12	6.4E-04		5.8E-06	6.5E-04
7782-49-2	Selenium	0.21	0.21	0.21					3.6E-05		4.0E-11	3.6E-05
7440-22-4	Silver	0.0225	0.0225	0.0225					3.9E-06			3.9E-06
7440-62-2	Vanadium and Compounds	13.3	13.3	13.3					2.3E-03		5.1E-07	2.3E-03
7440-66-6	Zinc and Compounds	71	71	71					2.0E-04			2.0E-04
						Cumulative:		2.8E-07				2.4E-02

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Soil **Output Form 2F**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

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
7664-41-7	Ammonia	0.468	0.468	0.468							5.4E-13	5.4E-13
7440-36-0	Antimony (metallic)	0.417	0.417	0.417					5.7E-03		8.0E-10	5.7E-03
7440-38-2	Arsenic, Inorganic	0.851	0.851	0.851	4.7E-07	6.6E-08	7.8E-13	5.4E-07	9.3E-03	1.1E-03	3.3E-08	1.0E-02
7440-39-3	Barium	36.2	36.2	36.2					9.9E-04		4.2E-08	9.9E-04
7440-41-7	Beryllium and compounds	0.252	0.252	0.252			1.3E-13	1.3E-13	6.9E-04		7.3E-09	6.9E-04
7440-43-9	Cadmium (Diet)	0.115	0.115	0.115			4.4E-14	4.4E-14	6.3E-03	6.0E-04	6.6E-09	6.9E-03
16065-83-1	Chromium(III), Insoluble Salts	8.28	8.28	8.28					3.0E-05			3.0E-05
7440-48-4	Cobalt	4.16	4.16	4.16			8.0E-12	8.0E-12	7.6E-02		4.0E-07	7.6E-02
7440-50-8	Copper	15.7	15.7	15.7					2.2E-03			2.2E-03
123-91-1	Dioxane, 1,4-	0.0132	0.0132	0.0132	8.1E-10		2.0E-11	8.3E-10	2.4E-06		3.6E-07	2.8E-06
7439-92-1	~Lead and Compounds	125	125	125					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	98.8	98.8	98.8					2.3E-02		1.1E-06	2.3E-02
7439-97-6	~Mercury (elemental)	0.0184	0.0184	0.0184							8.7E-05	8.7E-05
7440-02-0	Nickel Soluble Salts	15	15	15			8.4E-13	8.4E-13	4.1E-03		8.7E-07	4.1E-03
7782-49-2	Selenium	0.21	0.21	0.21					2.3E-04		6.1E-12	2.3E-04
7440-22-4	Silver	0.0225	0.0225	0.0225					2.5E-05			2.5E-05
7440-62-2	Vanadium and Compounds	13.3	13.3	13.3					1.4E-02		7.7E-08	1.4E-02
7440-66-6	Zinc and Compounds	71	71	71					1.3E-03			1.3E-03
						Cumulative:		5.4E-07				1.5E-01

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - Lyon Park
Site Address:	1101 Cornell Road and 1200 W. Lakewood Avenue, Durham, NC
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000822
Exposure Unit ID:	SED-5 Risk Assessment
Submittal Date:	11/7/2025
Prepared By:	Jonathan Olanin
Reviewed By:	Jerry Paul

Exposure Point Concentrations **Input Form 2A**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

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
0.0455		67-64-1	Acetone			mg/kg	SED-5									
5.24		7440-36-0	Antimony (metallic)			mg/kg	SED-5									
2.14		7440-38-2	Arsenic, Inorganic			mg/kg	SED-5									
48.8		7440-39-3	Barium			mg/kg	SED-5									
0.315		7440-41-7	Beryllium and compounds			mg/kg	SED-5									
0.177		7440-43-9	Cadmium (Diet)			mg/kg	SED-5									
11		16065-83-1	Chromium(III), Insoluble Salts			mg/kg	SED-5									
3.35		7440-48-4	Cobalt			mg/kg	SED-5									
19.4		7440-50-8	Copper			mg/kg	SED-5									
0.0307		123-91-1	Dioxane, 1,4-			mg/kg	SED-5									
43.1		7439-92-1	~Lead and Compounds			mg/kg	SED-5									
119		7439-96-5	Manganese (Non-diet)			mg/kg	SED-5									
0.0335	J	7439-97-6	~Mercury (elemental)			mg/kg	SED-5									
9.15		7440-02-0	Nickel Soluble Salts			mg/kg	SED-5									
0.507	J	206-44-0	~Fluoranthene			mg/kg	SED-5									
0.315	J	7782-49-2	Selenium			mg/kg	SED-5									
0.0393	J	7440-22-4	Silver			mg/kg	SED-5									
16.9		7440-62-2	Vanadium and Compounds			mg/kg	SED-5									
78.5		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: NONCD0000822

Exposure Unit ID: SED-5 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	3.2E-06	5.3E-01	NO
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	7.1E-07	3.7E-02	NO
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	1.4E-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: NONCD0000822

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	0.0455	0.0455	0.0455					6.5E-07			6.5E-07
7440-36-0	Antimony (metallic)	5.24	5.24	5.24					1.7E-01		2.8E-07	1.7E-01
7440-38-2	Arsenic, Inorganic	2.14	2.14	2.14	**2.8E-06**	3.9E-07	5.5E-11	3.2E-06	5.5E-02	6.5E-03	2.3E-06	6.1E-02
7440-39-3	Barium	48.8	48.8	48.8					3.1E-03		1.6E-06	3.1E-03
7440-41-7	Beryllium and compounds	0.315	0.315	0.315			4.5E-12	4.5E-12	2.0E-03		2.5E-07	2.0E-03
7440-43-9	Cadmium (Diet)	0.177	0.177	0.177			1.9E-12	1.9E-12	2.3E-02	2.1E-03	2.9E-07	2.5E-02
16065-83-1	Chromium(III), Insoluble Salts	11	11	11					9.4E-05			9.4E-05
7440-48-4	Cobalt	3.35	3.35	3.35			1.8E-10	1.8E-10	1.4E-01		9.0E-06	1.4E-01
7440-50-8	Copper	19.4	19.4	19.4					6.2E-03			6.2E-03
123-91-1	Dioxane, 1,4-	0.0307	0.0307	0.0307	4.4E-09		1.3E-09	5.7E-09	1.3E-05		2.3E-05	3.6E-05
7439-92-1	~Lead and Compounds	43.1	43.1	43.1					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	119	119	119					6.3E-02		3.8E-05	6.3E-02
7439-97-6	~Mercury (elemental)	0.0335	0.0335	0.0335							4.4E-03	4.4E-03
7440-02-0	Nickel Soluble Salts	9.15	9.15	9.15			1.4E-11	1.4E-11	5.8E-03		1.5E-05	5.9E-03
206-44-0	~Fluoranthene	0.507	0.507	0.507					1.6E-04	5.0E-05		2.1E-04
7782-49-2	Selenium	0.315	0.315	0.315					8.1E-04		2.5E-10	8.1E-04
7440-22-4	Silver	0.0393	0.0393	0.0393					1.0E-04			1.0E-04
7440-62-2	Vanadium and Compounds	16.9	16.9	16.9					4.3E-02		2.7E-06	4.3E-02
7440-66-6	Zinc and Compounds	78.5	78.5	78.5					3.3E-03			3.3E-03
						Cumulative:		3.2E-06				5.3E-01

DEQ Risk Calculator - Direct Contact - Non-Residential Worker Soil **Output Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

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	0.0455	0.0455	0.0455					4.3E-08			4.3E-08
7440-36-0	Antimony (metallic)	5.24	5.24	5.24					1.1E-02		6.7E-08	1.1E-02
7440-38-2	Arsenic, Inorganic	2.14	2.14	2.14	5.9E-07	1.2E-07	1.3E-11	7.1E-07	3.7E-03	7.8E-04	5.5E-07	4.4E-03
7440-39-3	Barium	48.8	48.8	48.8					2.1E-04		3.8E-07	2.1E-04
7440-41-7	Beryllium and compounds	0.315	0.315	0.315			1.0E-12	1.0E-12	1.3E-04		6.1E-08	1.3E-04
7440-43-9	Cadmium (Diet)	0.177	0.177	0.177			4.4E-13	4.4E-13	1.5E-03	2.6E-04	6.8E-08	1.8E-03
16065-83-1	Chromium(III), Insoluble Salts	11	11	11					6.3E-06			6.3E-06
7440-48-4	Cobalt	3.35	3.35	3.35			4.1E-11	4.1E-11	9.6E-03		2.1E-06	9.6E-03
7440-50-8	Copper	19.4	19.4	19.4					4.2E-04			4.2E-04
123-91-1	Dioxane, 1,4-	0.0307	0.0307	0.0307	9.4E-10		3.0E-10	1.2E-09	8.8E-07		5.5E-06	6.4E-06
7439-92-1	~Lead and Compounds	43.1	43.1	43.1					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	119	119	119					4.2E-03		9.2E-06	4.3E-03
7439-97-6	~Mercury (elemental)	0.0335	0.0335	0.0335							1.1E-03	1.1E-03
7440-02-0	Nickel Soluble Salts	9.15	9.15	9.15			3.3E-12	3.3E-12	3.9E-04		3.5E-06	4.0E-04
206-44-0	~Fluoranthene	0.507	0.507	0.507					1.1E-05	6.0E-06		1.7E-05
7782-49-2	Selenium	0.315	0.315	0.315					5.4E-05		6.1E-11	5.4E-05
7440-22-4	Silver	0.0393	0.0393	0.0393					6.7E-06			6.7E-06
7440-62-2	Vanadium and Compounds	16.9	16.9	16.9					2.9E-03		6.5E-07	2.9E-03
7440-66-6	Zinc and Compounds	78.5	78.5	78.5					2.2E-04			2.2E-04
						Cumulative:		7.1E-07				3.7E-02

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Soil **Output Form 2F**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

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	0.0455	0.0455	0.0455					2.8E-07			2.8E-07
7440-36-0	Antimony (metallic)	5.24	5.24	5.24					7.2E-02		1.0E-08	7.2E-02
7440-38-2	Arsenic, Inorganic	2.14	2.14	2.14	**1.2E-06**	1.7E-07	2.0E-12	**1.4E-06**	2.3E-02	2.8E-03	8.2E-08	2.6E-02
7440-39-3	Barium	48.8	48.8	48.8					1.3E-03		5.6E-08	1.3E-03
7440-41-7	Beryllium and compounds	0.315	0.315	0.315			1.6E-13	1.6E-13	8.6E-04		9.1E-09	8.6E-04
7440-43-9	Cadmium (Diet)	0.177	0.177	0.177			6.8E-14	6.8E-14	9.7E-03	9.2E-04	1.0E-08	1.1E-02
16065-83-1	Chromium(III), Insoluble Salts	11	11	11					4.0E-05			4.0E-05
7440-48-4	Cobalt	3.35	3.35	3.35			6.5E-12	6.5E-12	6.1E-02		3.2E-07	6.1E-02
7440-50-8	Copper	19.4	19.4	19.4					2.7E-03			2.7E-03
123-91-1	Dioxane, 1,4-	0.0307	0.0307	0.0307	1.9E-09		4.6E-11	1.9E-09	5.6E-06		8.3E-07	6.4E-06
7439-92-1	~Lead and Compounds	43.1	43.1	43.1					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	119	119	119					2.7E-02		1.4E-06	2.7E-02
7439-97-6	~Mercury (elemental)	0.0335	0.0335	0.0335							1.6E-04	1.6E-04
7440-02-0	Nickel Soluble Salts	9.15	9.15	9.15			5.1E-13	5.1E-13	2.5E-03		5.3E-07	2.5E-03
206-44-0	~Fluoranthene	0.507	0.507	0.507					6.9E-05	2.1E-05		9.1E-05
7782-49-2	Selenium	0.315	0.315	0.315					3.5E-04		9.1E-12	3.5E-04
7440-22-4	Silver	0.0393	0.0393	0.0393					4.3E-05			4.3E-05
7440-62-2	Vanadium and Compounds	16.9	16.9	16.9					1.8E-02		9.8E-08	1.8E-02
7440-66-6	Zinc and Compounds	78.5	78.5	78.5					1.4E-03			1.4E-03
						Cumulative:		1.4E-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 - Lyon Park
Site Address:	1101 Cornell Road and 1200 W. Lakewood Avenue, Durham, NC
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000822
Exposure Unit ID:	SED-6 and SED-DUP Risk Assessment
Submittal Date:	11/7/2025
Prepared By:	Jonathan Olanin
Reviewed By:	Jerry Paul

Exposure Point Concentrations **Input Form 2A**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

Exposure Unit ID: SED-6 and SED-DUP 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
0.337	J	7440-36-0	Antimony (metallic)			mg/kg	SED-DUP									
1.45		7440-38-2	Arsenic, Inorganic			mg/kg	SED-6									
39.7		7440-39-3	Barium			mg/kg	SED-6									
0.301		7440-41-7	Beryllium and compounds			mg/kg	SED-6									
0.0872		7440-43-9	Cadmium (Diet)			mg/kg	SED-6									
12.2		16065-83-1	Chromium(III), Insoluble Salts			mg/kg	SED-6									
4.9		7440-48-4	Cobalt			mg/kg	SED-6									
11.2		7440-50-8	Copper			mg/kg	SED-DUP									
0.0275		123-91-1	Dioxane, 1,4-			mg/kg	SED-DUP									
21.1		7439-92-1	~Lead and Compounds			mg/kg	SED-DUP									
125		7439-96-5	Manganese (Non-diet)			mg/kg	SED-6									
0.0201	J	7439-97-6	~Mercury (elemental)			mg/kg	SED-DUP									
16.4		7440-02-0	Nickel Soluble Salts			mg/kg	SED-DUP									
0.265	J	7782-49-2	Selenium			mg/kg	SED-DUP									
0.0104	J	7440-22-4	Silver			mg/kg	SED-6									
27.4		7440-62-2	Vanadium and Compounds			mg/kg	SED-DUP									
52.9		7440-66-6	Zinc and Compounds			mg/kg	SED-6									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

Exposure Unit ID: SED-6 and SED-DUP Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	2.1E-06	4.3E-01	NO
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	4.8E-07	3.0E-02	NO
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	9.2E-07	1.8E-01	NO
	Surface Water*	NC	NC	NC

VAPOR INTRUSION CALCULATORS

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

CONTAMINANT MIGRATION CALCULATORS

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

Notes:

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

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

DEQ Risk Calculator - Direct Contact - Resident Soil **Output Form 2A**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

Exposure Unit ID: SED-6 and SED-DUP Risk Assessment

** - Note that inhalation on this calculator refers to outdoor inhalation of volatiles and particulates, not indoor inhalation associated with vapor intrusion.*

*** - Note that the EPA has no consensus on reference dose or cancer slope factor values for lead, therefore it is not possible to calculate cancer risk or hazard quotient. Lead concentrations are compared to the EPA screening level of 200 mg/kg for residential soil. If it has been demonstrated that additional sources of lead are present (e.g., lead water service lines or lead-based paint), the EPA screening level is 100 mg/kg.*

CAS #	Chemical Name:	Ingestion Concentration (mg/kg)	Dermal Concentration (mg/kg)	Inhalation Concentration (mg/kg)*	Ingestion Carcinogenic Risk	Dermal Carcinogenic Risk	Inhalation Carcinogenic Risk*	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Hazard Quotient	Inhalation Hazard Quotient*	Calculated Non-Carcinogenic Hazard Quotient
7440-36-0	Antimony (metallic)	0.337	0.337	0.337					1.1E-02		1.8E-08	1.1E-02
7440-38-2	Arsenic, Inorganic	1.45	1.45	1.45	**1.9E-06**	2.6E-07	3.7E-11	2.1E-06	3.7E-02	4.4E-03	1.6E-06	4.1E-02
7440-39-3	Barium	39.7	39.7	39.7					2.5E-03		1.3E-06	2.5E-03
7440-41-7	Beryllium and compounds	0.301	0.301	0.301			4.3E-12	4.3E-12	1.9E-03		2.4E-07	1.9E-03
7440-43-9	Cadmium (Diet)	0.0872	0.0872	0.0872			9.4E-13	9.4E-13	1.1E-02	1.1E-03	1.4E-07	1.2E-02
16065-83-1	Chromium(III), Insoluble Salts	12.2	12.2	12.2					1.0E-04			1.0E-04
7440-48-4	Cobalt	4.9	4.9	4.9			2.6E-10	2.6E-10	**2.1E-01**		1.3E-05	**2.1E-01**
7440-50-8	Copper	11.2	11.2	11.2					3.6E-03			3.6E-03
123-91-1	Dioxane, 1,4-	0.0275	0.0275	0.0275	4.0E-09		1.2E-09	5.1E-09	1.2E-05		2.1E-05	3.3E-05
7439-92-1	~Lead and Compounds	21.1	21.1	21.1					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	125	125	125					6.7E-02		4.0E-05	6.7E-02
7439-97-6	~Mercury (elemental)	0.0201	0.0201	0.0201							2.7E-03	2.7E-03
7440-02-0	Nickel Soluble Salts	16.4	16.4	16.4			2.6E-11	2.6E-11	1.0E-02		2.7E-05	1.1E-02
7782-49-2	Selenium	0.265	0.265	0.265					6.8E-04		2.1E-10	6.8E-04
7440-22-4	Silver	0.0104	0.0104	0.0104					2.7E-05			2.7E-05
7440-62-2	Vanadium and Compounds	27.4	27.4	27.4					7.0E-02		4.4E-06	7.0E-02
7440-66-6	Zinc and Compounds	52.9	52.9	52.9					2.3E-03			2.3E-03
						Cumulative:		2.1E-06				4.3E-01

DEQ Risk Calculator - Direct Contact - Non-Residential Worker Soil **Output Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

Exposure Unit ID: SED-6 and SED-DUP Risk Assessment

** - Note that inhalation on this calculator refers to outdoor inhalation of volatiles and particulates, not indoor inhalation associated with vapor intrusion.*

*** - Note that the EPA has no consensus on reference dose or cancer slope factor values for lead, therefore it is not possible to calculate cancer risk or hazard quotient. Lead concentrations are compared to the EPA screening level of 800 mg/kg for commercial/industrial soil.*

CAS #	Chemical Name:	Ingestion Concentration (mg/kg)	Dermal Concentration (mg/kg)	Inhalation Concentration (mg/kg)*	Ingestion Carcinogenic Risk	Dermal Carcinogenic Risk	Inhalation Carcinogenic Risk	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Hazard Quotient	Inhalation Hazard Quotient	Calculated Non-Carcinogenic Hazard Quotient
7440-36-0	Antimony (metallic)	0.337	0.337	0.337					7.2E-04		4.3E-09	7.2E-04
7440-38-2	Arsenic, Inorganic	1.45	1.45	1.45	4.0E-07	8.4E-08	8.6E-12	4.8E-07	2.5E-03	5.3E-04	3.7E-07	3.0E-03
7440-39-3	Barium	39.7	39.7	39.7					1.7E-04		3.1E-07	1.7E-04
7440-41-7	Beryllium and compounds	0.301	0.301	0.301			9.9E-13	9.9E-13	1.3E-04		5.8E-08	1.3E-04
7440-43-9	Cadmium (Diet)	0.0872	0.0872	0.0872			2.2E-13	2.2E-13	7.5E-04	1.3E-04	3.4E-08	8.7E-04
16065-83-1	Chromium(III), Insoluble Salts	12.2	12.2	12.2					7.0E-06			7.0E-06
7440-48-4	Cobalt	4.9	4.9	4.9			6.1E-11	6.1E-11	1.4E-02		3.1E-06	1.4E-02
7440-50-8	Copper	11.2	11.2	11.2					2.4E-04			2.4E-04
123-91-1	Dioxane, 1,4-	0.0275	0.0275	0.0275	8.4E-10		2.7E-10	1.1E-09	7.8E-07		5.0E-06	5.8E-06
7439-92-1	~Lead and Compounds	21.1	21.1	21.1					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	125	125	125					4.5E-03		9.6E-06	4.5E-03
7439-97-6	~Mercury (elemental)	0.0201	0.0201	0.0201							6.3E-04	6.3E-04
7440-02-0	Nickel Soluble Salts	16.4	16.4	16.4			5.9E-12	5.9E-12	7.0E-04		6.3E-06	7.1E-04
7782-49-2	Selenium	0.265	0.265	0.265					4.5E-05		5.1E-11	4.5E-05
7440-22-4	Silver	0.0104	0.0104	0.0104					1.8E-06			1.8E-06
7440-62-2	Vanadium and Compounds	27.4	27.4	27.4					4.7E-03		1.1E-06	4.7E-03
7440-66-6	Zinc and Compounds	52.9	52.9	52.9					1.5E-04			1.5E-04
						Cumulative:		4.8E-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: NONCD0000822

Exposure Unit ID: SED-6 and SED-DUP Risk Assessment

** - Note that inhalation on this calculator refers to outdoor inhalation of volatiles and particulates, not indoor inhalation associated with vapor intrusion.*

*** - Note that the EPA has no consensus on reference dose or cancer slope factor values for lead, therefore it is not possible to calculate cancer risk or hazard quotient. Lead concentrations are compared to the EPA screening level of 200 mg/kg for residential soil. If it has been demonstrated that additional sources of lead are present (e.g., lead water service lines or lead-based paint), the EPA screening level is 100 mg/kg.*

Receptor Type:

CAS #	Chemical Name:	Ingestion Concentration (mg/kg)	Dermal Concentration (mg/kg)	Inhalation Concentration (mg/kg)*	Ingestion Carcinogenic Risk	Dermal Carcinogenic Risk	Inhalation Carcinogenic Risk	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Hazard Quotient	Inhalation Hazard Quotient	Calculated Non-Carcinogenic Hazard Quotient
7440-36-0	Antimony (metallic)	0.337	0.337	0.337					4.6E-03		6.5E-10	4.6E-03
7440-38-2	Arsenic, Inorganic	1.45	1.45	1.45	8.0E-07	1.1E-07	1.3E-12	9.2E-07	1.6E-02	1.9E-03	5.6E-08	1.8E-02
7440-39-3	Barium	39.7	39.7	39.7					1.1E-03		4.6E-08	1.1E-03
7440-41-7	Beryllium and compounds	0.301	0.301	0.301			1.5E-13	1.5E-13	8.2E-04		8.7E-09	8.2E-04
7440-43-9	Cadmium (Diet)	0.0872	0.0872	0.0872			3.4E-14	3.4E-14	4.8E-03	4.5E-04	5.0E-09	5.2E-03
16065-83-1	Chromium(III), Insoluble Salts	12.2	12.2	12.2					4.5E-05			4.5E-05
7440-48-4	Cobalt	4.9	4.9	4.9			9.5E-12	9.5E-12	8.9E-02		4.7E-07	8.9E-02
7440-50-8	Copper	11.2	11.2	11.2					1.5E-03			1.5E-03
123-91-1	Dioxane, 1,4-	0.0275	0.0275	0.0275	1.7E-09		4.1E-11	1.7E-09	5.0E-06		7.4E-07	5.8E-06
7439-92-1	~Lead and Compounds	21.1	21.1	21.1					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	125	125	125					2.9E-02		1.4E-06	2.9E-02
7439-97-6	~Mercury (elemental)	0.0201	0.0201	0.0201							9.5E-05	9.5E-05
7440-02-0	Nickel Soluble Salts	16.4	16.4	16.4			9.1E-13	9.1E-13	4.5E-03		9.5E-07	4.5E-03
7782-49-2	Selenium	0.265	0.265	0.265					2.9E-04		7.6E-12	2.9E-04
7440-22-4	Silver	0.0104	0.0104	0.0104					1.1E-05			1.1E-05
7440-62-2	Vanadium and Compounds	27.4	27.4	27.4					3.0E-02		1.6E-07	3.0E-02
7440-66-6	Zinc and Compounds	52.9	52.9	52.9					9.7E-04			9.7E-04
						Cumulative:		9.2E-07				1.8E-01

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - Lyon Park
Site Address:	1101 Cornell Road and 1200 W. Lakewood Avenue, Durham, NC
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000822
Exposure Unit ID:	SED-7 Risk Assessment
Submittal Date:	11/7/2025
Prepared By:	Jonathan Olanin
Reviewed By:	Jerry Paul

Exposure Point Concentrations **Input Form 2A**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

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
0.245	J	7440-36-0	Antimony (metallic)			mg/kg	SED-7									
1		7440-38-2	Arsenic, Inorganic			mg/kg	SED-7									
33.5		7440-39-3	Barium			mg/kg	SED-7									
0.221		7440-41-7	Beryllium and compounds			mg/kg	SED-7									
0.105		7440-43-9	Cadmium (Diet)			mg/kg	SED-7									
7.76		16065-83-1	Chromium(III), Insoluble Salts			mg/kg	SED-7									
2.79		7440-48-4	Cobalt			mg/kg	SED-7									
12.7		7440-50-8	Copper			mg/kg	SED-7									
6.54		123-91-1	Dioxane, 1,4-			mg/kg	SED-7									
28		7439-92-1	~Lead and Compounds			mg/kg	SED-7									
91.3		7439-96-5	Manganese (Non-diet)			mg/kg	SED-7									
0.0222	J	7439-97-6	~Mercury (elemental)			mg/kg	SED-7									
7.15		7440-02-0	Nickel Soluble Salts			mg/kg	SED-7									
0.247	J	7782-49-2	Selenium			mg/kg	SED-7									
0.0202	J	7440-22-4	Silver			mg/kg	SED-7									
13.7		7440-62-2	Vanadium and Compounds			mg/kg	SED-7									
51.6		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: NONCD0000822

Exposure Unit ID: SED-7 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	2.7E-06	2.8E-01	NO
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	6.0E-07	2.0E-02	NO
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	1.0E-06	1.2E-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: NONCD0000822

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
7440-36-0	Antimony (metallic)	0.245	0.245	0.245					7.8E-03		1.3E-08	7.8E-03
7440-38-2	Arsenic, Inorganic	1	1	1	**1.3E-06**	1.8E-07	2.6E-11	1.5E-06	2.6E-02	3.0E-03	1.1E-06	2.9E-02
7440-39-3	Barium	33.5	33.5	33.5					2.1E-03		1.1E-06	2.1E-03
7440-41-7	Beryllium and compounds	0.221	0.221	0.221			3.2E-12	3.2E-12	1.4E-03		1.8E-07	1.4E-03
7440-43-9	Cadmium (Diet)	0.105	0.105	0.105			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	7.76	7.76	7.76					6.6E-05			6.6E-05
7440-48-4	Cobalt	2.79	2.79	2.79			1.5E-10	1.5E-10	1.2E-01		7.5E-06	1.2E-01
7440-50-8	Copper	12.7	12.7	12.7					4.1E-03			4.1E-03
123-91-1	Dioxane, 1,4-	6.54	6.54	6.54	9.4E-07		2.8E-07	1.2E-06	2.8E-03		5.0E-03	7.7E-03
7439-92-1	~Lead and Compounds	28	28	28					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	91.3	91.3	91.3					4.9E-02		3.0E-05	4.9E-02
7439-97-6	~Mercury (elemental)	0.0222	0.0222	0.0222							2.9E-03	2.9E-03
7440-02-0	Nickel Soluble Salts	7.15	7.15	7.15			1.1E-11	1.1E-11	4.6E-03		1.2E-05	4.6E-03
7782-49-2	Selenium	0.247	0.247	0.247					6.3E-04		2.0E-10	6.3E-04
7440-22-4	Silver	0.0202	0.0202	0.0202					5.2E-05			5.2E-05
7440-62-2	Vanadium and Compounds	13.7	13.7	13.7					3.5E-02		2.2E-06	3.5E-02
7440-66-6	Zinc and Compounds	51.6	51.6	51.6					2.2E-03			2.2E-03
						Cumulative:		2.7E-06				2.8E-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: NONCD0000822

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
7440-36-0	Antimony (metallic)	0.245	0.245	0.245					5.2E-04		3.1E-09	5.2E-04
7440-38-2	Arsenic, Inorganic	1	1	1	2.8E-07	5.8E-08	5.9E-12	3.3E-07	1.7E-03	3.6E-04	2.6E-07	2.1E-03
7440-39-3	Barium	33.5	33.5	33.5					1.4E-04		2.6E-07	1.4E-04
7440-41-7	Beryllium and compounds	0.221	0.221	0.221			7.3E-13	7.3E-13	9.5E-05		4.3E-08	9.5E-05
7440-43-9	Cadmium (Diet)	0.105	0.105	0.105			2.6E-13	2.6E-13	9.0E-04	1.5E-04	4.0E-08	1.1E-03
16065-83-1	Chromium(III), Insoluble Salts	7.76	7.76	7.76					4.4E-06			4.4E-06
7440-48-4	Cobalt	2.79	2.79	2.79			3.5E-11	3.5E-11	8.0E-03		1.8E-06	8.0E-03
7440-50-8	Copper	12.7	12.7	12.7					2.7E-04			2.7E-04
123-91-1	Dioxane, 1,4-	6.54	6.54	6.54	2.0E-07		6.3E-08	2.6E-07	1.9E-04		1.2E-03	1.4E-03
7439-92-1	~Lead and Compounds	28	28	28					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	91.3	91.3	91.3					3.3E-03		7.0E-06	3.3E-03
7439-97-6	~Mercury (elemental)	0.0222	0.0222	0.0222							7.0E-04	7.0E-04
7440-02-0	Nickel Soluble Salts	7.15	7.15	7.15			2.6E-12	2.6E-12	3.1E-04		2.8E-06	3.1E-04
7782-49-2	Selenium	0.247	0.247	0.247					4.2E-05		4.8E-11	4.2E-05
7440-22-4	Silver	0.0202	0.0202	0.0202					3.5E-06			3.5E-06
7440-62-2	Vanadium and Compounds	13.7	13.7	13.7					2.3E-03		5.3E-07	2.3E-03
7440-66-6	Zinc and Compounds	51.6	51.6	51.6					1.5E-04			1.5E-04
						Cumulative:		6.0E-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: NONCD0000822

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
7440-36-0	Antimony (metallic)	0.245	0.245	0.245					3.4E-03		4.7E-10	3.4E-03
7440-38-2	Arsenic, Inorganic	1	1	1	5.5E-07	7.8E-08	9.2E-13	6.3E-07	1.1E-02	1.3E-03	3.8E-08	1.2E-02
7440-39-3	Barium	33.5	33.5	33.5					9.2E-04		3.9E-08	9.2E-04
7440-41-7	Beryllium and compounds	0.221	0.221	0.221			1.1E-13	1.1E-13	6.1E-04		6.4E-09	6.1E-04
7440-43-9	Cadmium (Diet)	0.105	0.105	0.105			4.1E-14	4.1E-14	5.8E-03	5.5E-04	6.1E-09	6.3E-03
16065-83-1	Chromium(III), Insoluble Salts	7.76	7.76	7.76					2.8E-05			2.8E-05
7440-48-4	Cobalt	2.79	2.79	2.79			5.4E-12	5.4E-12	5.1E-02		2.7E-07	5.1E-02
7440-50-8	Copper	12.7	12.7	12.7					1.7E-03			1.7E-03
123-91-1	Dioxane, 1,4-	6.54	6.54	6.54	4.0E-07		9.9E-09	4.1E-07	1.2E-03		1.8E-04	1.4E-03
7439-92-1	~Lead and Compounds	28	28	28					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	91.3	91.3	91.3					2.1E-02		1.1E-06	2.1E-02
7439-97-6	~Mercury (elemental)	0.0222	0.0222	0.0222							1.0E-04	1.0E-04
7440-02-0	Nickel Soluble Salts	7.15	7.15	7.15			4.0E-13	4.0E-13	2.0E-03		4.1E-07	2.0E-03
7782-49-2	Selenium	0.247	0.247	0.247					2.7E-04		7.1E-12	2.7E-04
7440-22-4	Silver	0.0202	0.0202	0.0202					2.2E-05			2.2E-05
7440-62-2	Vanadium and Compounds	13.7	13.7	13.7					1.5E-02		7.9E-08	1.5E-02
7440-66-6	Zinc and Compounds	51.6	51.6	51.6					9.4E-04			9.4E-04
						Cumulative:		1.0E-06				1.2E-01

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - Lyon Park
Site Address:	1101 Cornell Road and 1200 W. Lakewood Avenue, Durham, NC
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000822
Exposure Unit ID:	SED-8 Risk Assessment
Submittal Date:	11/7/2025
Prepared By:	Jonathan Olanin
Reviewed By:	Jerry Paul

Exposure Point Concentrations **Input Form 2A**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

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
0.0657		67-64-1	Acetone			mg/kg	SED-8									
0.208	J	7440-36-0	Antimony (metallic)			mg/kg	SED-8									
1.01		7440-38-2	Arsenic, Inorganic			mg/kg	SED-8									
41.3		7440-39-3	Barium			mg/kg	SED-8									
0.241		7440-41-7	Beryllium and compounds			mg/kg	SED-8									
0.12		7440-43-9	Cadmium (Diet)			mg/kg	SED-8									
7.75		16065-83-1	Chromium(III), Insoluble Salts			mg/kg	SED-8									
3.55		7440-48-4	Cobalt			mg/kg	SED-8									
11.1		7440-50-8	Copper			mg/kg	SED-8									
0.0725		123-91-1	Dioxane, 1,4-			mg/kg	SED-8									
0.00378	J	99-87-6	Isopropyltoluene, p-			mg/kg	SED-8									
20.5		7439-92-1	~Lead and Compounds			mg/kg	SED-8									
158		7439-96-5	Manganese (Non-diet)			mg/kg	SED-8									
0.0355	J	7439-97-6	~Mercury (elemental)			mg/kg	SED-8									
0.00636	J	78-93-3	Methyl Ethyl Ketone (2-Butanone)			mg/kg	SED-8									
9.48		7440-02-0	Nickel Soluble Salts			mg/kg	SED-8									
0.811	J	206-44-0	~Fluoranthene			mg/kg	SED-8									
0.565	J	129-00-0	~Pyrene			mg/kg	SED-8									
0.336	J	7782-49-2	Selenium			mg/kg	SED-8									
0.0209	J	7440-22-4	Silver			mg/kg	SED-8									
0.00175	J	108-88-3	Toluene			mg/kg	SED-8									
18		7440-62-2	Vanadium and Compounds			mg/kg	SED-8									
57.8		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: NONCD0000822

Exposure Unit ID: SED-8 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	1.5E-06	3.6E-01	NO
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	3.4E-07	2.5E-02	NO
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	6.4E-07	1.5E-01	NO
	Surface Water*	NC	NC	NC

VAPOR INTRUSION CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	NC	NC	NC
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	NC	NC	NC
	Indoor Air	NC	NC	NC

CONTAMINANT MIGRATION CALCULATORS

Pathway	Source	Target Receptor Concentrations Exceeded?	
Groundwater	Source Soil	Exceedence of 2L at Receptor?	NC
	Source Groundwater	Exceedence of 2L at Receptor?	NC
Surface Water	Source Soil	Exceedence of 2B at Receptor?	NC
	Source Groundwater	Exceedence of 2B at Receptor?	NC

Notes:

1. If lead concentrations were entered in the exposure point concentration tables, see the individual calculator sheets for lead concentrations in comparison to screening levels. Note that lead is not included in cumulative risk calculations.

2. * = If concentrations in groundwater exceed the NC 2L Standards or IMAC, or concentrations in surface water exceed the NC 2B Standards, appropriate remediation and/or institutional control measures will be necessary to be eligible for a risk-based closure.
3. NM = Not modeled, required contaminant migration parameters were not entered.
4. NC = Pathway not calculated, user did not check this pathway as complete.

DEQ Risk Calculator - Direct Contact - Resident Soil **Output Form 2A**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

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	0.0657	0.0657	0.0657					9.3E-07			9.3E-07
7440-36-0	Antimony (metallic)	0.208	0.208	0.208					6.6E-03		1.1E-08	6.6E-03
7440-38-2	Arsenic, Inorganic	1.01	1.01	1.01	**1.3E-06**	1.8E-07	2.6E-11	1.5E-06	2.6E-02	3.1E-03	1.1E-06	2.9E-02
7440-39-3	Barium	41.3	41.3	41.3					2.6E-03		1.3E-06	2.6E-03
7440-41-7	Beryllium and compounds	0.241	0.241	0.241			3.5E-12	3.5E-12	1.5E-03		1.9E-07	1.5E-03
7440-43-9	Cadmium (Diet)	0.12	0.12	0.12			1.3E-12	1.3E-12	1.5E-02	1.5E-03	1.9E-07	1.7E-02
16065-83-1	Chromium(III), Insoluble Salts	7.75	7.75	7.75					6.6E-05			6.6E-05
7440-48-4	Cobalt	3.55	3.55	3.55			1.9E-10	1.9E-10	1.5E-01		9.6E-06	1.5E-01
7440-50-8	Copper	11.1	11.1	11.1					3.5E-03			3.5E-03
123-91-1	Dioxane, 1,4-	0.0725	0.0725	0.0725	1.0E-08		3.1E-09	1.3E-08	3.1E-05		5.5E-05	8.6E-05
99-87-6	Isopropyltoluene, p-	0.00378	0.00378	0.00378					1.2E-05		1.0E-05	2.2E-05
7439-92-1	~Lead and Compounds	20.5	20.5	20.5					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	158	158	158					8.4E-02		5.1E-05	8.4E-02
7439-97-6	~Mercury (elemental)	0.0355	0.0355	0.0355							4.7E-03	4.7E-03
78-93-3	Methyl Ethyl Ketone (2-Butanone)	0.00636	0.00636	0.00636					1.4E-07		9.4E-08	2.3E-07
7440-02-0	Nickel Soluble Salts	9.48	9.48	9.48			1.5E-11	1.5E-11	6.1E-03		1.5E-05	6.1E-03
206-44-0	~Fluoranthene	0.811	0.811	0.811					2.6E-04	8.0E-05		3.4E-04
129-00-0	~Pyrene	0.565	0.565	0.565					2.4E-04	7.4E-05		3.2E-04
7782-49-2	Selenium	0.336	0.336	0.336					8.6E-04		2.7E-10	8.6E-04
7440-22-4	Silver	0.0209	0.0209	0.0209					5.3E-05			5.3E-05
108-88-3	Toluene	0.00175	0.00175	0.00175					2.8E-07		7.4E-08	3.5E-07
7440-62-2	Vanadium and Compounds	18	18	18					4.6E-02		2.9E-06	4.6E-02
7440-66-6	Zinc and Compounds	57.8	57.8	57.8					2.5E-03			2.5E-03
						Cumulative:		1.5E-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: NONCD0000822

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	0.0657	0.0657	0.0657					6.3E-08			6.3E-08
7440-36-0	Antimony (metallic)	0.208	0.208	0.208					4.5E-04		2.7E-09	4.5E-04
7440-38-2	Arsenic, Inorganic	1.01	1.01	1.01	2.8E-07	5.9E-08	6.0E-12	3.4E-07	1.7E-03	3.7E-04	2.6E-07	2.1E-03
7440-39-3	Barium	41.3	41.3	41.3					1.8E-04		3.2E-07	1.8E-04
7440-41-7	Beryllium and compounds	0.241	0.241	0.241			7.9E-13	7.9E-13	1.0E-04		4.6E-08	1.0E-04
7440-43-9	Cadmium (Diet)	0.12	0.12	0.12			3.0E-13	3.0E-13	1.0E-03	1.7E-04	4.6E-08	1.2E-03
16065-83-1	Chromium(III), Insoluble Salts	7.75	7.75	7.75					4.4E-06			4.4E-06
7440-48-4	Cobalt	3.55	3.55	3.55			4.4E-11	4.4E-11	1.0E-02		2.3E-06	1.0E-02
7440-50-8	Copper	11.1	11.1	11.1					2.4E-04			2.4E-04
123-91-1	Dioxane, 1,4-	0.0725	0.0725	0.0725	2.2E-09		7.0E-10	2.9E-09	2.1E-06		1.3E-05	1.5E-05
99-87-6	Isopropyltoluene, p-	0.00378	0.00378	0.00378					8.1E-07		2.4E-06	3.2E-06
7439-92-1	~Lead and Compounds	20.5	20.5	20.5					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	158	158	158					5.6E-03		1.2E-05	5.6E-03
7439-97-6	~Mercury (elemental)	0.0355	0.0355	0.0355							1.1E-03	1.1E-03
78-93-3	Methyl Ethyl Ketone (2-Butanone)	0.00636	0.00636	0.00636					9.1E-09		2.2E-08	3.1E-08
7440-02-0	Nickel Soluble Salts	9.48	9.48	9.48			3.4E-12	3.4E-12	4.1E-04		3.6E-06	4.1E-04
206-44-0	~Fluoranthene	0.811	0.811	0.811					1.7E-05	9.6E-06		2.7E-05
129-00-0	~Pyrene	0.565	0.565	0.565					1.6E-05	8.9E-06		2.5E-05
7782-49-2	Selenium	0.336	0.336	0.336					5.8E-05		6.5E-11	5.8E-05
7440-22-4	Silver	0.0209	0.0209	0.0209					3.6E-06			3.6E-06
108-88-3	Toluene	0.00175	0.00175	0.00175					1.9E-08		1.8E-08	3.6E-08
7440-62-2	Vanadium and Compounds	18	18	18					3.1E-03		6.9E-07	3.1E-03
7440-66-6	Zinc and Compounds	57.8	57.8	57.8					1.6E-04			1.6E-04
						Cumulative:		3.4E-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: NONCD0000822

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	0.0657	0.0657	0.0657					4.0E-07			4.0E-07
7440-36-0	Antimony (metallic)	0.208	0.208	0.208					2.8E-03		4.0E-10	2.8E-03
7440-38-2	Arsenic, Inorganic	1.01	1.01	1.01	5.6E-07	7.9E-08	9.3E-13	6.4E-07	1.1E-02	1.3E-03	3.9E-08	1.2E-02
7440-39-3	Barium	41.3	41.3	41.3					1.1E-03		4.8E-08	1.1E-03
7440-41-7	Beryllium and compounds	0.241	0.241	0.241			1.2E-13	1.2E-13	6.6E-04		7.0E-09	6.6E-04
7440-43-9	Cadmium (Diet)	0.12	0.12	0.12			4.6E-14	4.6E-14	6.6E-03	6.2E-04	6.9E-09	7.2E-03
16065-83-1	Chromium(III), Insoluble Salts	7.75	7.75	7.75					2.8E-05			2.8E-05
7440-48-4	Cobalt	3.55	3.55	3.55			6.9E-12	6.9E-12	6.5E-02		3.4E-07	6.5E-02
7440-50-8	Copper	11.1	11.1	11.1					1.5E-03			1.5E-03
123-91-1	Dioxane, 1,4-	0.0725	0.0725	0.0725	4.5E-09		1.1E-10	4.6E-09	1.3E-05		2.0E-06	1.5E-05
99-87-6	Isopropyltoluene, p-	0.00378	0.00378	0.00378					5.2E-06		3.6E-07	5.5E-06
7439-92-1	~Lead and Compounds	20.5	20.5	20.5					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	158	158	158					3.6E-02		1.8E-06	3.6E-02
7439-97-6	~Mercury (elemental)	0.0355	0.0355	0.0355							1.7E-04	1.7E-04
78-93-3	Methyl Ethyl Ketone (2-Butanone)	0.00636	0.00636	0.00636					5.8E-08		3.4E-09	6.1E-08
7440-02-0	Nickel Soluble Salts	9.48	9.48	9.48			5.3E-13	5.3E-13	2.6E-03		5.5E-07	2.6E-03
206-44-0	~Fluoranthene	0.811	0.811	0.811					1.1E-04	3.4E-05		1.5E-04
129-00-0	~Pyrene	0.565	0.565	0.565					1.0E-04	3.2E-05		1.4E-04
7782-49-2	Selenium	0.336	0.336	0.336					3.7E-04		9.7E-12	3.7E-04
7440-22-4	Silver	0.0209	0.0209	0.0209					2.3E-05			2.3E-05
108-88-3	Toluene	0.00175	0.00175	0.00175					1.2E-07		2.6E-09	1.2E-07
7440-62-2	Vanadium and Compounds	18	18	18					2.0E-02		1.0E-07	2.0E-02
7440-66-6	Zinc and Compounds	57.8	57.8	57.8					1.1E-03			1.1E-03
						Cumulative:		6.4E-07				1.5E-01

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - Lyon Park
Site Address:	1101 Cornell Road and 1200 W. Lakewood Avenue, Durham, NC
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000822
Exposure Unit ID:	SED-9 Risk Assessment
Submittal Date:	11/7/2025
Prepared By:	Jonathan Olanin
Reviewed By:	Jerry Paul

Exposure Point Concentrations **Input Form 2A**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

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
0.0555		67-64-1	Acetone			mg/kg	SED-9									
0.102	J F1	7664-41-7	Ammonia			mg/kg	SED-9									
0.452		7440-38-2	Arsenic, Inorganic			mg/kg	SED-9									
20.2		7440-39-3	Barium			mg/kg	SED-9									
0.122		7440-41-7	Beryllium and compounds			mg/kg	SED-9									
0.525	J	7440-43-9	Cadmium (Diet)			mg/kg	SED-9									
3.67		16065-83-1	Chromium(III), Insoluble Salts			mg/kg	SED-9									
1.72		7440-48-4	Cobalt			mg/kg	SED-9									
4.41		7440-50-8	Copper			mg/kg	SED-9									
0.0327		123-91-1	Dioxane, 1,4-			mg/kg	SED-9									
0.00116	J	99-87-6	Isopropyltoluene, p-			mg/kg	SED-9									
8.15		7439-92-1	~Lead and Compounds			mg/kg	SED-9									
51.7		7439-96-5	Manganese (Non-diet)			mg/kg	SED-9									
0.0109	J	7439-97-6	~Mercury (elemental)			mg/kg	SED-9									
4.94		7440-02-0	Nickel Soluble Salts			mg/kg	SED-9									
0.175	J	7782-49-2	Selenium			mg/kg	SED-9									
7.11		7440-62-2	Vanadium and Compounds			mg/kg	SED-9									
35.1	F1	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: NONCD0000822

Exposure Unit ID: SED-9 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	6.7E-07	2.2E-01	NO
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	1.5E-07	1.5E-02	NO
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	2.9E-07	9.2E-02	NO
	Surface Water*	NC	NC	NC

VAPOR INTRUSION CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	NC	NC	NC
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	NC	NC	NC
	Indoor Air	NC	NC	NC

CONTAMINANT MIGRATION CALCULATORS

Pathway	Source	Target Receptor Concentrations Exceeded?	
Groundwater	Source Soil	Exceedence of 2L at Receptor?	NC
	Source Groundwater	Exceedence of 2L at Receptor?	NC
Surface Water	Source Soil	Exceedence of 2B at Receptor?	NC
	Source Groundwater	Exceedence of 2B at Receptor?	NC

Notes:

1. If lead concentrations were entered in the exposure point concentration tables, see the individual calculator sheets for lead concentrations in comparison to screening levels. Note that lead is not included in cumulative risk calculations.

2. * = If concentrations in groundwater exceed the NC 2L Standards or IMAC, or concentrations in surface water exceed the NC 2B Standards, appropriate remediation and/or institutional control measures will be necessary to be eligible for a risk-based closure.
3. NM = Not modeled, required contaminant migration parameters were not entered.
4. NC = Pathway not calculated, user did not check this pathway as complete.

DEQ Risk Calculator - Direct Contact - Resident Soil **Output Form 2A**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

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	0.0555	0.0555	0.0555					7.9E-07			7.9E-07
7664-41-7	Ammonia	0.102	0.102	0.102							3.3E-12	3.3E-12
7440-38-2	Arsenic, Inorganic	0.452	0.452	0.452	5.9E-07	8.2E-08	1.2E-11	6.7E-07	1.2E-02	1.4E-03	4.9E-07	1.3E-02
7440-39-3	Barium	20.2	20.2	20.2					1.3E-03		6.5E-07	1.3E-03
7440-41-7	Beryllium and compounds	0.122	0.122	0.122			1.8E-12	1.8E-12	7.8E-04		9.9E-08	7.8E-04
7440-43-9	Cadmium (Diet)	0.525	0.525	0.525			5.7E-12	5.7E-12	6.7E-02	6.4E-03	8.5E-07	7.3E-02
16065-83-1	Chromium(III), Insoluble Salts	3.67	3.67	3.67					3.1E-05			3.1E-05
7440-48-4	Cobalt	1.72	1.72	1.72			9.3E-11	9.3E-11	7.3E-02		4.6E-06	7.3E-02
7440-50-8	Copper	4.41	4.41	4.41					1.4E-03			1.4E-03
123-91-1	Dioxane, 1,4-	0.0327	0.0327	0.0327	4.7E-09		1.4E-09	6.1E-09	1.4E-05		2.5E-05	3.9E-05
99-87-6	Isopropyltoluene, p-	0.00116	0.00116	0.00116					3.7E-06		3.1E-06	6.8E-06
7439-92-1	~Lead and Compounds	8.15	8.15	8.15					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	51.7	51.7	51.7					2.8E-02		1.7E-05	2.8E-02
7439-97-6	~Mercury (elemental)	0.0109	0.0109	0.0109							1.4E-03	1.4E-03
7440-02-0	Nickel Soluble Salts	4.94	4.94	4.94			7.7E-12	7.7E-12	3.2E-03		8.0E-06	3.2E-03
7782-49-2	Selenium	0.175	0.175	0.175					4.5E-04		1.4E-10	4.5E-04
7440-62-2	Vanadium and Compounds	7.11	7.11	7.11					1.8E-02		1.1E-06	1.8E-02
7440-66-6	Zinc and Compounds	35.1	35.1	35.1					1.5E-03			1.5E-03
						Cumulative:		6.7E-07				2.2E-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: NONCD0000822

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	0.0555	0.0555	0.0555					5.3E-08			5.3E-08
7664-41-7	Ammonia	0.102	0.102	0.102							7.9E-13	7.9E-13
7440-38-2	Arsenic, Inorganic	0.452	0.452	0.452	1.2E-07	2.6E-08	2.7E-12	1.5E-07	7.7E-04	1.6E-04	1.2E-07	9.4E-04
7440-39-3	Barium	20.2	20.2	20.2					8.6E-05		1.6E-07	8.7E-05
7440-41-7	Beryllium and compounds	0.122	0.122	0.122			4.0E-13	4.0E-13	5.2E-05		2.3E-08	5.2E-05
7440-43-9	Cadmium (Diet)	0.525	0.525	0.525			1.3E-12	1.3E-12	4.5E-03	7.6E-04	2.0E-07	5.3E-03
16065-83-1	Chromium(III), Insoluble Salts	3.67	3.67	3.67					2.1E-06			2.1E-06
7440-48-4	Cobalt	1.72	1.72	1.72			2.1E-11	2.1E-11	4.9E-03		1.1E-06	4.9E-03
7440-50-8	Copper	4.41	4.41	4.41					9.4E-05			9.4E-05
123-91-1	Dioxane, 1,4-	0.0327	0.0327	0.0327	1.0E-09		3.2E-10	1.3E-09	9.3E-07		5.9E-06	6.8E-06
99-87-6	Isopropyltoluene, p-	0.00116	0.00116	0.00116					2.5E-07		7.3E-07	9.8E-07
7439-92-1	~Lead and Compounds	8.15	8.15	8.15					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	51.7	51.7	51.7					1.8E-03		4.0E-06	1.8E-03
7439-97-6	~Mercury (elemental)	0.0109	0.0109	0.0109							3.4E-04	3.4E-04
7440-02-0	Nickel Soluble Salts	4.94	4.94	4.94			1.8E-12	1.8E-12	2.1E-04		1.9E-06	2.1E-04
7782-49-2	Selenium	0.175	0.175	0.175					3.0E-05		3.4E-11	3.0E-05
7440-62-2	Vanadium and Compounds	7.11	7.11	7.11					1.2E-03		2.7E-07	1.2E-03
7440-66-6	Zinc and Compounds	35.1	35.1	35.1					1.0E-04			1.0E-04
						Cumulative:		1.5E-07				1.5E-02

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Soil **Output Form 2F**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

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	0.0555	0.0555	0.0555					3.4E-07			3.4E-07
7664-41-7	Ammonia	0.102	0.102	0.102							1.2E-13	1.2E-13
7440-38-2	Arsenic, Inorganic	0.452	0.452	0.452	2.5E-07	3.5E-08	4.2E-13	2.9E-07	5.0E-03	5.9E-04	1.7E-08	5.5E-03
7440-39-3	Barium	20.2	20.2	20.2					5.5E-04		2.3E-08	5.5E-04
7440-41-7	Beryllium and compounds	0.122	0.122	0.122			6.3E-14	6.3E-14	3.3E-04		3.5E-09	3.3E-04
7440-43-9	Cadmium (Diet)	0.525	0.525	0.525			2.0E-13	2.0E-13	2.9E-02	2.7E-03	3.0E-08	3.1E-02
16065-83-1	Chromium(III), Insoluble Salts	3.67	3.67	3.67					1.3E-05			1.3E-05
7440-48-4	Cobalt	1.72	1.72	1.72			3.3E-12	3.3E-12	3.1E-02		1.7E-07	3.1E-02
7440-50-8	Copper	4.41	4.41	4.41					6.0E-04			6.0E-04
123-91-1	Dioxane, 1,4-	0.0327	0.0327	0.0327	2.0E-09		4.9E-11	2.1E-09	6.0E-06		8.9E-07	6.9E-06
99-87-6	Isopropyltoluene, p-	0.00116	0.00116	0.00116					1.6E-06		1.1E-07	1.7E-06
7439-92-1	~Lead and Compounds	8.15	8.15	8.15					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	51.7	51.7	51.7					1.2E-02		6.0E-07	1.2E-02
7439-97-6	~Mercury (elemental)	0.0109	0.0109	0.0109							5.1E-05	5.1E-05
7440-02-0	Nickel Soluble Salts	4.94	4.94	4.94			2.8E-13	2.8E-13	1.4E-03		2.9E-07	1.4E-03
7782-49-2	Selenium	0.175	0.175	0.175					1.9E-04		5.1E-12	1.9E-04
7440-62-2	Vanadium and Compounds	7.11	7.11	7.11					7.7E-03		4.1E-08	7.7E-03
7440-66-6	Zinc and Compounds	35.1	35.1	35.1					6.4E-04			6.4E-04
						Cumulative:		2.9E-07				9.2E-02

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - Lyon Park
Site Address:	1101 Cornell Street & 1200 W. Lakewood Ave, Durham, NC
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000822
Exposure Unit ID:	SW-1 Risk Assessment
Submittal Date:	9/22/2025
Prepared By:	Clay Faircloth
Reviewed By:	Jerry Paul

Exposure Point Concentrations **Input Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

Exposure Unit ID: SW-1 Risk Assessment

Surface Water Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

NOTE: If the chemical list is changed from a prior calculator run, remember to select "See All Chemicals" on the data output sheet or newly added chemicals will not be included in risk calculations

Exposure Point Concentration (ug/L)	Notes:	CAS Number	Chemical	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening	Background Value	Screening Toxicity Value (Screening Level) (n/c)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion
60		7664-41-7	Ammonia			ug/L	SW-1									
0.47	J	7440-36-0	Antimony (metallic)			ug/L	SW-1									
0.98	J	7440-38-2	Arsenic, Inorganic			ug/L	SW-1									
44.5		7440-39-3	Barium			ug/L	SW-1									
0.345	J	7440-48-4	Cobalt			ug/L	SW-1									
9.39		7440-50-8	Copper			ug/L	SW-1									
5.44		7439-92-1	~Lead and Compounds			ug/L	SW-1									
47.4		7439-96-5	Manganese (Non-diet)			ug/L	SW-1									
1.82	J	7440-02-0	Nickel Soluble Salts			ug/L	SW-1									
247		14797-55-8	Nitrate (measured as nitrogen)			ug/L	SW-1									
2.42	J	7440-62-2	Vanadium and Compounds			ug/L	SW-1									
23.2		7440-66-6	Zinc and Compounds			ug/L	SW-1									

Risk for Individual Pathways **Output Form 1A**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

Exposure Unit ID: SW-1 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	NC	NC	NC
	Surface Water*	8.6E-07	5.2E-02	NO

VAPOR INTRUSION CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	NC	NC	NC
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	NC	NC	NC
	Indoor Air	NC	NC	NC

CONTAMINANT MIGRATION CALCULATORS

Pathway	Source	Target Receptor Concentrations Exceeded?	
Groundwater	Source Soil	Exceedence of 2L at Receptor?	NC
	Source Groundwater	Exceedence of 2L at Receptor?	NC
Surface Water	Source Soil	Exceedence of 2B at Receptor?	NC
	Source Groundwater	Exceedence of 2B at Receptor?	NC

Notes:

1. If lead concentrations were entered in the exposure point concentration tables, see the individual calculator sheets for lead concentrations in comparison to screening levels. Note that lead is not included in cumulative risk calculations.

2. * = If concentrations in groundwater exceed the NC 2L Standards or IMAC, or concentrations in surface water exceed the NC 2B Standards, appropriate remediation and/or institutional control measures will be necessary to be eligible for a risk-based closure.
3. NM = Not modeled, required contaminant migration parameters were not entered.
4. NC = Pathway not calculated, user did not check this pathway as complete.

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Surface Water **Output Form 2G**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

Exposure Unit ID: SW-1 Risk Assessment

Receptor Type:

CAS #	Chemical Name:	Ingestion Concentration (ug/L)	Dermal Concentration (ug/L)	Ingestion Carcinogenic Risk	Dermal Contact Carcinogenic Risk	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Contact Hazard Quotient	Calculated Non-Carcinogenic Hazard Quotient
7664-41-7	Ammonia	60	60						
7440-36-0	Antimony (metallic)	0.47	0.47				4.6E-03	1.6E-03	6.3E-03
7440-38-2	Arsenic, Inorganic	0.98	0.98	7.8E-07	7.7E-08	8.6E-07	1.3E-02	6.8E-04	1.4E-02
7440-39-3	Barium	44.5	44.5				8.8E-04	6.7E-04	1.5E-03
7440-48-4	Cobalt	0.345	0.345				4.5E-03	9.6E-05	4.6E-03
7440-50-8	Copper	9.39	9.39				9.3E-04	4.9E-05	9.8E-04
7439-92-1	~Lead and Compounds	5.44	5.44						
7439-96-5	Manganese (Non-diet)	47.4	47.4				7.8E-03	1.0E-02	1.8E-02
7440-02-0	Nickel Soluble Salts	1.82	1.82				3.6E-04	9.5E-05	4.5E-04
14797-55-8	Nitrate (measured as nitrogen)	247	247				6.1E-04	3.2E-05	6.4E-04
7440-62-2	Vanadium and Compounds	2.42	2.42				1.9E-03	3.9E-03	5.8E-03
7440-66-6	Zinc and Compounds	23.2	23.2				3.1E-04	9.7E-06	3.1E-04
					Cumulative:	8.6E-07			5.2E-02

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - Lyon Park
Site Address:	1101 Cornell Street & 1200 W. Lakewood Ave, Durham, NC
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000822
Exposure Unit ID:	SW-2 Risk Assessment
Submittal Date:	9/22/2025
Prepared By:	Clay Faircloth
Reviewed By:	Jerry Paul

Exposure Point Concentrations **Input Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

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
0.455	J	7440-36-0	Antimony (metallic)			ug/L	SW-2									
0.91	J	7440-38-2	Arsenic, Inorganic			ug/L	SW-2									
55.2		7440-39-3	Barium			ug/L	SW-2									
6.2		7440-50-8	Copper			ug/L	SW-2									
1.32	J	7439-92-1	~Lead and Compounds			ug/L	SW-2									
26.9		7439-96-5	Manganese (Non-diet)			ug/L	SW-2									
1.7	J	7440-02-0	Nickel Soluble Salts			ug/L	SW-2									
291		14797-55-8	Nitrate (measured as nitrogen)			ug/L	SW-2									
1.02	J	7440-62-2	Vanadium and Compounds			ug/L	SW-2									
9.51	J	7440-66-6	Zinc and Compounds			ug/L	SW-2									

Risk for Individual Pathways **Output Form 1A**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

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*	8.0E-07	3.5E-02	NO

VAPOR INTRUSION CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	NC	NC	NC
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	NC	NC	NC
	Indoor Air	NC	NC	NC

CONTAMINANT MIGRATION CALCULATORS

Pathway	Source	Target Receptor Concentrations Exceeded?	
Groundwater	Source Soil	Exceedence of 2L at Receptor?	NC
	Source Groundwater	Exceedence of 2L at Receptor?	NC
Surface Water	Source Soil	Exceedence of 2B at Receptor?	NC
	Source Groundwater	Exceedence of 2B at Receptor?	NC

Notes:

1. If lead concentrations were entered in the exposure point concentration tables, see the individual calculator sheets for lead concentrations in comparison to screening levels. Note that lead is not included in cumulative risk calculations.

2. * = If concentrations in groundwater exceed the NC 2L Standards or IMAC, or concentrations in surface water exceed the NC 2B Standards, appropriate remediation and/or institutional control measures will be necessary to be eligible for a risk-based closure.
3. NM = Not modeled, required contaminant migration parameters were not entered.
4. NC = Pathway not calculated, user did not check this pathway as complete.

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Surface Water **Output Form 2G**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

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
7440-36-0	Antimony (metallic)	0.455	0.455				4.5E-03	1.6E-03	6.1E-03
7440-38-2	Arsenic, Inorganic	0.91	0.91	7.3E-07	7.2E-08	8.0E-07	1.2E-02	6.3E-04	1.3E-02
7440-39-3	Barium	55.2	55.2				1.1E-03	8.3E-04	1.9E-03
7440-50-8	Copper	6.2	6.2				6.1E-04	3.2E-05	6.4E-04
7439-92-1	~Lead and Compounds	1.32	1.32						
7439-96-5	Manganese (Non-diet)	26.9	26.9				4.4E-03	5.9E-03	1.0E-02
7440-02-0	Nickel Soluble Salts	1.7	1.7				3.4E-04	8.9E-05	4.2E-04
14797-55-8	Nitrate (measured as nitrogen)	291	291				7.2E-04	3.8E-05	7.6E-04
7440-62-2	Vanadium and Compounds	1.02	1.02				8.0E-04	1.6E-03	2.4E-03
7440-66-6	Zinc and Compounds	9.51	9.51				1.3E-04	4.0E-06	1.3E-04
					Cumulative:	8.0E-07			3.5E-02

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - Lyon Park
Site Address:	1101 Cornell Street & 1200 W. Lakewood Ave, Durham, NC
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000822
Exposure Unit ID:	SW-3 Risk Assessment
Submittal Date:	9/22/2025
Prepared By:	Clay Faircloth
Reviewed By:	Jerry Paul

Exposure Point Concentrations **Input Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

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
0.465	J	7440-36-0	Antimony (metallic)			ug/L	SW-3									
55.5		7440-39-3	Barium			ug/L	SW-3									
6.75		7440-50-8	Copper			ug/L	SW-3									
1.22	J	7439-92-1	~Lead and Compounds			ug/L	SW-3									
16.8		7439-96-5	Manganese (Non-diet)			ug/L	SW-3									
1.65	J	7440-02-0	Nickel Soluble Salts			ug/L	SW-3									
359		14797-55-8	Nitrate (measured as nitrogen)			ug/L	SW-3									
0.86	J	7440-62-2	Vanadium and Compounds			ug/L	SW-3									
8.11	J	7440-66-6	Zinc and Compounds			ug/L	SW-3									

Risk for Individual Pathways **Output Form 1A**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

Exposure Unit ID: SW-3 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	NC	NC	NC
	Surface Water*	0.0E+00	1.9E-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.

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Surface Water **Output Form 2G**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

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
7440-36-0	Antimony (metallic)	0.465	0.465				4.6E-03	1.6E-03	6.2E-03
7440-39-3	Barium	55.5	55.5				1.1E-03	8.3E-04	1.9E-03
7440-50-8	Copper	6.75	6.75				6.7E-04	3.5E-05	7.0E-04
7439-92-1	~Lead and Compounds	1.22	1.22						
7439-96-5	Manganese (Non-diet)	16.8	16.8				2.8E-03	3.7E-03	6.4E-03
7440-02-0	Nickel Soluble Salts	1.65	1.65				3.3E-04	8.6E-05	4.1E-04
14797-55-8	Nitrate (measured as nitrogen)	359	359				8.9E-04	4.7E-05	9.3E-04
7440-62-2	Vanadium and Compounds	0.86	0.86				6.7E-04	1.4E-03	2.0E-03
7440-66-6	Zinc and Compounds	8.11	8.11				1.1E-04	3.4E-06	1.1E-04
					Cumulative:	0.0E+00			1.9E-02

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - Lyon Park
Site Address:	1101 Cornell Street & 1200 W. Lakewood Ave, Durham, NC
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000822
Exposure Unit ID:	SW-4 Risk Assessment
Submittal Date:	9/22/2025
Prepared By:	Clay Faircloth
Reviewed By:	Jerry Paul

Exposure Point Concentrations **Input Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

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
0.545	J	7440-36-0	Antimony (metallic)			ug/L	SW-4									
55		7440-39-3	Barium			ug/L	SW-4									
7.81		7440-50-8	Copper			ug/L	SW-4									
1.21	J	7439-92-1	~Lead and Compounds			ug/L	SW-4									
29		7439-96-5	Manganese (Non-diet)			ug/L	SW-4									
1.81	J	7440-02-0	Nickel Soluble Salts			ug/L	SW-4									
360		14797-55-8	Nitrate (measured as nitrogen)			ug/L	SW-4									
1.08	J	7440-62-2	Vanadium and Compounds			ug/L	SW-4									
8.72	J	7440-66-6	Zinc and Compounds			ug/L	SW-4									

Risk for Individual Pathways **Output Form 1A**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

Exposure Unit ID: SW-4 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	NC	NC	NC
	Surface Water*	0.0E+00	2.5E-02	NO

VAPOR INTRUSION CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	NC	NC	NC
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	NC	NC	NC
	Indoor Air	NC	NC	NC

CONTAMINANT MIGRATION CALCULATORS

Pathway	Source	Target Receptor Concentrations Exceeded?	
Groundwater	Source Soil	Exceedence of 2L at Receptor?	NC
	Source Groundwater	Exceedence of 2L at Receptor?	NC
Surface Water	Source Soil	Exceedence of 2B at Receptor?	NC
	Source Groundwater	Exceedence of 2B at Receptor?	NC

Notes:

1. If lead concentrations were entered in the exposure point concentration tables, see the individual calculator sheets for lead concentrations in comparison to screening levels. Note that lead is not included in cumulative risk calculations.

2. * = If concentrations in groundwater exceed the NC 2L Standards or IMAC, or concentrations in surface water exceed the NC 2B Standards, appropriate remediation and/or institutional control measures will be necessary to be eligible for a risk-based closure.
3. NM = Not modeled, required contaminant migration parameters were not entered.
4. NC = Pathway not calculated, user did not check this pathway as complete.

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Surface Water **Output Form 2G**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

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
7440-36-0	Antimony (metallic)	0.545	0.545				5.4E-03	1.9E-03	7.3E-03
7440-39-3	Barium	55	55				1.1E-03	8.2E-04	1.9E-03
7440-50-8	Copper	7.81	7.81				7.7E-04	4.1E-05	8.1E-04
7439-92-1	~Lead and Compounds	1.21	1.21						
7439-96-5	Manganese (Non-diet)	29	29				4.8E-03	6.3E-03	1.1E-02
7440-02-0	Nickel Soluble Salts	1.81	1.81				3.6E-04	9.5E-05	4.5E-04
14797-55-8	Nitrate (measured as nitrogen)	360	360				8.9E-04	4.7E-05	9.3E-04
7440-62-2	Vanadium and Compounds	1.08	1.08				8.5E-04	1.7E-03	2.6E-03
7440-66-6	Zinc and Compounds	8.72	8.72				1.1E-04	3.6E-06	1.2E-04
					Cumulative:	0.0E+00			2.5E-02

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - Lyon Park
Site Address:	1101 Cornell Street & 1200 W. Lakewood Ave, Durham, NC
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000822
Exposure Unit ID:	SW-5 Risk Assessment
Submittal Date:	9/22/2025
Prepared By:	Clay Faircloth
Reviewed By:	Jerry Paul

Exposure Point Concentrations **Input Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

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
0.495	J	7440-36-0	Antimony (metallic)			ug/L	SW-5									
50.6		7440-39-3	Barium			ug/L	SW-5									
6.87		7440-50-8	Copper			ug/L	SW-5									
2.89		7439-92-1	~Lead and Compounds			ug/L	SW-5									
31.3		7439-96-5	Manganese (Non-diet)			ug/L	SW-5									
2.01	J	7440-02-0	Nickel Soluble Salts			ug/L	SW-5									
358		14797-55-8	Nitrate (measured as nitrogen)			ug/L	SW-5									
0.865	J	7440-62-2	Vanadium and Compounds			ug/L	SW-5									
8.98	J	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: NONCD0000822

Exposure Unit ID: SW-5 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	NC	NC	NC
	Surface Water*	0.0E+00	2.5E-02	NO

VAPOR INTRUSION CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	NC	NC	NC
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	NC	NC	NC
	Indoor Air	NC	NC	NC

CONTAMINANT MIGRATION CALCULATORS

Pathway	Source	Target Receptor Concentrations Exceeded?	
Groundwater	Source Soil	Exceedence of 2L at Receptor?	NC
	Source Groundwater	Exceedence of 2L at Receptor?	NC
Surface Water	Source Soil	Exceedence of 2B at Receptor?	NC
	Source Groundwater	Exceedence of 2B at Receptor?	NC

Notes:

1. If lead concentrations were entered in the exposure point concentration tables, see the individual calculator sheets for lead concentrations in comparison to screening levels. Note that lead is not included in cumulative risk calculations.

2. * = If concentrations in groundwater exceed the NC 2L Standards or IMAC, or concentrations in surface water exceed the NC 2B Standards, appropriate remediation and/or institutional control measures will be necessary to be eligible for a risk-based closure.
3. NM = Not modeled, required contaminant migration parameters were not entered.
4. NC = Pathway not calculated, user did not check this pathway as complete.

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Surface Water **Output Form 2G**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

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
7440-36-0	Antimony (metallic)	0.495	0.495				4.9E-03	1.7E-03	6.6E-03
7440-39-3	Barium	50.6	50.6				1.0E-03	7.6E-04	1.8E-03
7440-50-8	Copper	6.87	6.87				6.8E-04	3.6E-05	7.1E-04
7439-92-1	~Lead and Compounds	2.89	2.89						
7439-96-5	Manganese (Non-diet)	31.3	31.3				5.1E-03	6.8E-03	1.2E-02
7440-02-0	Nickel Soluble Salts	2.01	2.01				4.0E-04	1.1E-04	5.0E-04
14797-55-8	Nitrate (measured as nitrogen)	358	358				8.8E-04	4.7E-05	9.3E-04
7440-62-2	Vanadium and Compounds	0.865	0.865				6.8E-04	1.4E-03	2.1E-03
7440-66-6	Zinc and Compounds	8.98	8.98				1.2E-04	3.8E-06	1.2E-04
					Cumulative:	0.0E+00			2.5E-02

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - Lyon Park
Site Address:	1101 Cornell Street & 1200 W. Lakewood Ave, Durham, NC
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000822
Exposure Unit ID:	SW-6 Risk Assessment
Submittal Date:	9/22/2025
Prepared By:	Clay Faircloth
Reviewed By:	Jerry Paul

Exposure Point Concentrations **Input Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

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
0.4	J	7440-36-0	Antimony (metallic)			ug/L	SW-6									
0.915	J	7440-38-2	Arsenic, Inorganic			ug/L	SW-6									
51		7440-39-3	Barium			ug/L	SW-6									
7.2		7440-50-8	Copper			ug/L	SW-6									
1.37	J	7439-92-1	~Lead and Compounds			ug/L	SW-6									
37.9		7439-96-5	Manganese (Non-diet)			ug/L	SW-6									
1.86	J	7440-02-0	Nickel Soluble Salts			ug/L	SW-6									
254		14797-55-8	Nitrate (measured as nitrogen)			ug/L	SW-6									
1.04	J	7440-62-2	Vanadium and Compounds			ug/L	SW-6									
8.62	J	7440-66-6	Zinc and Compounds			ug/L	SW-6									

Risk for Individual Pathways **Output Form 1A**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

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*	8.0E-07	3.9E-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.

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Surface Water **Output Form 2G**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

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
7440-36-0	Antimony (metallic)	0.4	0.4				3.9E-03	1.4E-03	5.3E-03
7440-38-2	Arsenic, Inorganic	0.915	0.915	7.3E-07	7.2E-08	8.0E-07	1.2E-02	6.4E-04	1.3E-02
7440-39-3	Barium	51	51				1.0E-03	7.6E-04	1.8E-03
7440-50-8	Copper	7.2	7.2				7.1E-04	3.8E-05	7.5E-04
7439-92-1	~Lead and Compounds	1.37	1.37						
7439-96-5	Manganese (Non-diet)	37.9	37.9				6.2E-03	8.3E-03	1.4E-02
7440-02-0	Nickel Soluble Salts	1.86	1.86				3.7E-04	9.7E-05	4.6E-04
14797-55-8	Nitrate (measured as nitrogen)	254	254				6.3E-04	3.3E-05	6.6E-04
7440-62-2	Vanadium and Compounds	1.04	1.04				8.1E-04	1.7E-03	2.5E-03
7440-66-6	Zinc and Compounds	8.62	8.62				1.1E-04	3.6E-06	1.2E-04
					Cumulative:	8.0E-07			3.9E-02

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - Lyon Park
Site Address:	1101 Cornell Street & 1200 W. Lakewood Ave, Durham, NC
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000822
Exposure Unit ID:	SW-7 Risk Assessment
Submittal Date:	9/22/2025
Prepared By:	Clay Faircloth
Reviewed By:	Jerry Paul

Exposure Point Concentrations **Input Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

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
0.45	J	7440-36-0	Antimony (metallic)			ug/L	SW-7									
50.7		7440-39-3	Barium			ug/L	SW-7									
0.25	J	7440-48-4	Cobalt			ug/L	SW-7									
7.53		7440-50-8	Copper			ug/L	SW-7									
2.56		7439-92-1	~Lead and Compounds			ug/L	SW-7									
47.8		7439-96-5	Manganese (Non-diet)			ug/L	SW-7									
1.83	J	7440-02-0	Nickel Soluble Salts			ug/L	SW-7									
244		14797-55-8	Nitrate (measured as nitrogen)			ug/L	SW-7									
1.25	J	7440-62-2	Vanadium and Compounds			ug/L	SW-7									
10.6	J	7440-66-6	Zinc and Compounds			ug/L	SW-7									

Risk for Individual Pathways **Output Form 1A**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

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*	0.0E+00	3.4E-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: NONCD0000822

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
7440-36-0	Antimony (metallic)	0.45	0.45				4.4E-03	1.6E-03	6.0E-03
7440-39-3	Barium	50.7	50.7				1.0E-03	7.6E-04	1.8E-03
7440-48-4	Cobalt	0.25	0.25				3.3E-03	7.0E-05	3.4E-03
7440-50-8	Copper	7.53	7.53				7.4E-04	3.9E-05	7.8E-04
7439-92-1	~Lead and Compounds	2.56	2.56						
7439-96-5	Manganese (Non-diet)	47.8	47.8				7.9E-03	1.0E-02	1.8E-02
7440-02-0	Nickel Soluble Salts	1.83	1.83				3.6E-04	9.6E-05	4.6E-04
14797-55-8	Nitrate (measured as nitrogen)	244	244				6.0E-04	3.2E-05	6.3E-04
7440-62-2	Vanadium and Compounds	1.25	1.25				9.8E-04	2.0E-03	3.0E-03
7440-66-6	Zinc and Compounds	10.6	10.6				1.4E-04	4.4E-06	1.4E-04
					Cumulative:	0.0E+00			3.4E-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 - Lyon Park
Site Address:	1101 Cornell Street & 1200 W. Lakewood Ave, Durham, NC
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000822
Exposure Unit ID:	SW-8 Risk Assessment
Submittal Date:	9/23/2025
Prepared By:	Clay Faircloth
Reviewed By:	Jerry Paul

Exposure Point Concentrations **Input Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

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
0.34	J	7440-36-0	Antimony (metallic)			ug/L	SW-8									
51.9		7440-39-3	Barium			ug/L	SW-8									
0.25	J	7440-48-4	Cobalt			ug/L	SW-8									
6.95		7440-50-8	Copper			ug/L	SW-8									
1.72	J	7439-92-1	~Lead and Compounds			ug/L	SW-8									
54.9		7439-96-5	Manganese (Non-diet)			ug/L	SW-8									
1.99	J	7440-02-0	Nickel Soluble Salts			ug/L	SW-8									
247		14797-55-8	Nitrate (measured as nitrogen)			ug/L	SW-8									
1.21	J	7440-62-2	Vanadium and Compounds			ug/L	SW-8									
11.1	J	7440-66-6	Zinc and Compounds			ug/L	SW-8									

Risk for Individual Pathways **Output Form 1A**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

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*	0.0E+00	3.6E-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: NONCD0000822

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
7440-36-0	Antimony (metallic)	0.34	0.34				3.4E-03	1.2E-03	4.5E-03
7440-39-3	Barium	51.9	51.9				1.0E-03	7.8E-04	1.8E-03
7440-48-4	Cobalt	0.25	0.25				3.3E-03	7.0E-05	3.4E-03
7440-50-8	Copper	6.95	6.95				6.9E-04	3.6E-05	7.2E-04
7439-92-1	~Lead and Compounds	1.72	1.72						
7439-96-5	Manganese (Non-diet)	54.9	54.9				9.0E-03	1.2E-02	2.1E-02
7440-02-0	Nickel Soluble Salts	1.99	1.99				3.9E-04	1.0E-04	5.0E-04
14797-55-8	Nitrate (measured as nitrogen)	247	247				6.1E-04	3.2E-05	6.4E-04
7440-62-2	Vanadium and Compounds	1.21	1.21				9.5E-04	1.9E-03	2.9E-03
7440-66-6	Zinc and Compounds	11.1	11.1				1.5E-04	4.6E-06	1.5E-04
					Cumulative:	0.0E+00			3.6E-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 - Lyon Park
Site Address:	1101 Cornell Street & 1200 W. Lakewood Ave, Durham, NC
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000822
Exposure Unit ID:	SW-9 Risk Assessment
Submittal Date:	9/23/2025
Prepared By:	Clay Faircloth
Reviewed By:	Jerry Paul

Exposure Point Concentrations **Input Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

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
0.34	J	7440-36-0	Antimony (metallic)			ug/L	SW-9									
50		7440-39-3	Barium			ug/L	SW-9									
0.26	J	7440-48-4	Cobalt			ug/L	SW-9									
7.11		7440-50-8	Copper			ug/L	SW-9									
1.71	J	7439-92-1	~Lead and Compounds			ug/L	SW-9									
41.8		7439-96-5	Manganese (Non-diet)			ug/L	SW-9									
1.94	J	7440-02-0	Nickel Soluble Salts			ug/L	SW-9									
308	H	14797-55-8	Nitrate (measured as nitrogen)			ug/L	SW-9									
1.47	J	7440-62-2	Vanadium and Compounds			ug/L	SW-9									
10.6	J	7440-66-6	Zinc and Compounds			ug/L	SW-9									

Risk for Individual Pathways **Output Form 1A**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000822

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*	0.0E+00	3.1E-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: NONCD0000822

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
7440-36-0	Antimony (metallic)	0.34	0.34				3.4E-03	1.2E-03	4.5E-03
7440-39-3	Barium	50	50				9.9E-04	7.5E-04	1.7E-03
7440-48-4	Cobalt	0.26	0.26				3.4E-03	7.3E-05	3.5E-03
7440-50-8	Copper	7.11	7.11				7.0E-04	3.7E-05	7.4E-04
7439-92-1	~Lead and Compounds	1.71	1.71						
7439-96-5	Manganese (Non-diet)	41.8	41.8				6.9E-03	9.1E-03	1.6E-02
7440-02-0	Nickel Soluble Salts	1.94	1.94				3.8E-04	1.0E-04	4.8E-04
14797-55-8	Nitrate (measured as nitrogen)	308	308				7.6E-04	4.0E-05	8.0E-04
7440-62-2	Vanadium and Compounds	1.47	1.47				1.2E-03	2.3E-03	3.5E-03
7440-66-6	Zinc and Compounds	10.6	10.6				1.4E-04	4.4E-06	1.4E-04
					Cumulative:	0.0E+00			3.1E-02