Remedial Investigation Report
Southside Park Landfill, NONCD0000807
2645 Toomey Ave., Charlotte, North Carolina
Task Order 807RI-15
S&ME Project No. 215952

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

October 31, 2025

October 31, 2025

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

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

Reference: **Remedial Investigation-Soil Gas, Groundwater & Surface Water/Sediment Report**
Southside Park Landfill – 2645 Toomey Ave.
Charlotte, Mecklenburg County, North Carolina
NCDEQ ID No. NONCD0000807
NCDEQ Task Order 807RI-15
S&ME Project No. 215952

Dear Mr. Gallagher:

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 Charlotte, North Carolina. S&ME completed this investigation in general conformance with S&ME Proposal No. 215952M, dated March 11, 2025, for Task Orders 807RI-13, 14, and 15 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.

Clay Faircloth, E.I.T.
Environmental Staff Professional
cfaircloth@smeinc.com

Thomas P. Raymond, P.E., P.M.P.
Senior Project Manager
traymond@smeinc.com

Attachment: Remedial Investigation Report

Table of Contents

1.0 Summary of Current Investigation 1

2.0 Landfill Gas Assessment 1

2.1 Landfill Gas Probe Installation 1

2.2 Field Screening Methods 1

2.3 Landfill Gas Screening Results 2

2.3.1 Volatile Organic Compounds 2

2.3.2 Methane 2

2.3.3 Hydrogen Sulfide 2

2.4 Landfill Gas Sampling 2

2.4.1 Shut-in Testing 3

2.4.2 Helium Leak Testing 3

2.4.3 Purging and Sampling 3

2.5 Landfill Gas Sample Results 4

3.0 Groundwater Assessment 4

3.1 Monitor Well Development and Groundwater Elevation Measurement 4

3.2 Monitor Well Purging and Sampling 5

3.3 Monitor Well Sample Results 5

4.0 Surface Water and Sediment Sampling 5

4.1.1 Surface Water Sampling Results 5

4.1.2 Sediment Sampling 6

5.0 NCDEQ Risk Calculator 6

5.1 Landfill Gas Samples 6

5.2 Surface Water Samples 7

5.3 Stream Sediment Samples 7

6.0 Quality Control 7

7.0 Work Plan Deviations 8

8.0 Sole Use Statement 8

9.0 Certification Acknowledgement 9

List of Tables

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

List of Figures

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

Appendices

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

1.0 Summary of Current Investigation

S&ME completed the following Scope of Services listed below for this investigation in general conformance with S&ME Proposal No. 215952M, dated March 11, 2025, for Task Orders 807RI-13, 14, and 15 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* (February 2025) 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 Landfill Gas Probe Installation

On May 19, 2025, through May 21, 2025, 12 Landfill Gas Probes (LFGP) were installed using a track mounted Geoprobe® unit (7822 DT) outfitted with six-inch diameter rods.

Landfill Gas Probes were installed to depths of 8 to 15 feet below ground surface (ft-bgs). Once the total depth of the probes was determined, a 1-inch diameter 5-foot-long section of PVC 0.010-inch slotted screen was installed with PVC well riser casing installed from the top of the well screen up to the ground surface. A sand pack of #2 filter sand was placed in the annulus between the borehole wall and the well screen up to approximately one to two feet above the top of the well screen. A bentonite seal was then installed up to approximately one to two feet above the top of the sand pack for all probes.

The LFGP construction details are presented in **Table 1** and the location of the LFGPs are shown in **Figure 1**. The Coordinates of Selected Features are included in **Appendix I** and the LFGP Construction Records are included in **Appendix II**.

2.2 Field Screening Methods

On June 13, 2025, LFGPs 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 LFGP location:

- Landfill Gas Meter – GEM5000 PLUS for the following:
  - methane: 0-100%, +/- 0.3% to 1.5% accuracy
  - hydrogen sulfide: 0-500 parts per million-volume (ppm-v), with +/- 2.0% accuracy
  - carbon dioxide: 0-100%, +/- 0.5% to 1.5% accuracy
  - oxygen: 0-25%, +/- 1.0% accuracy

- barometric pressure: +/- 14.7 inches mercury from calibration pressure, +/- 1% inches mercury accuracy
- Photo-Ionization Detector (PID) MiniRAE 3000 for total VOCs: 0-15,000 ppm-v, with +/- 0.1 ppm-v resolution over range of 0 to 999.9 ppm-v and +/- 1 ppm-v resolution over range of 1,000 to 15,000 ppm-v.

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

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

2.3 Landfill Gas Screening Results

2.3.1 Volatile Organic Compounds

VOCs were detected at each of the LFGPs, concentrations ranged from 0.1 ppm-v to 58.1 ppm-v.

2.3.2 Methane

During the screening event, methane was detected in 8 of the 12 LFGP locations. Methane was detected at LFG-6, LFG-8, and LFG-10 at a volume in air percentage greater than the lower explosive limit (LEL) for methane, which is 5%. The GEM5000 manufacturer specifies an approximate accuracy range of +/- 0.3% of the displayed reading for methane concentrations between 0% and 5%.

2.3.3 Hydrogen Sulfide

Hydrogen Sulfide was detected at LFG-1, LFG-6, LFG-7, LFG-8, LFG-10, and LFG-12. Each of the detections were either measured at 1 or 2 ppm-v. 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 June 11, 2025, prior to the collection of soil gas samples using batch-certified canisters, S&ME personnel utilized a peristaltic pump to collect samples in Tedlar® bags to be analyzed for hydrogen sulfide and in sorbent tubes to be analyzed for mercury, by ASTM D5504 and NIOSH 6009, respectively.

On June 12, 2025, through June 13, 2025, S&ME personnel used batch-certified sampling canisters to collect samples (including duplicate samples) from 12 LFGPs for laboratory analysis of VOCs by EPA Method TO-15, and for methane by EPA Method 3C.

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 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 LFGPs and sampling arrays had a successful leak test, except for LFG-6. Helium was detected in the surrounding test shroud at 10.5%, and at 2.38% from the sampling array. Constituents detected in the soil gas sample from LFG-6 were also detected in several of the other soil gas samples. The laboratory data reported for LFG-6 sample is considered valid. During the next sample event, passing leak tests for all soil gas probes will be conducted.

2.4.3 Purging and Sampling

After conducting the leak tests, a minimum of three volumes of air were purged from the LFGPs 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 canisters.

After collecting the soil gas samples, the canisters were shipped under standard chain-of-custody protocol to Enthalpy Analytical for VOC analysis by EPA Method TO-15 and Methane by EPA Method 3C. The laboratory reports and chains of custody are in **Appendix IV.**

Following collection of soil gas samples for VOCs and methane analysis, samples were collected for analysis of mercury and hydrogen sulfide. The soil gas probes were purged, and soil gas samples were collected with an air pump through sorbent tubes for mercury analysis, and into Tedlar bags for hydrogen sulfide analysis.

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 volatile organic compounds 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 Vapor Intrusion Resident Soil Gas to Indoor Air Cumulative Carcinogenic Risk was exceeded at LFG-6. Methane was detected at concentrations above the LEL (5%) at LFG-6, LFG-8, and LFG-10. See **Section 4.0** for the Risk Calculator details.

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

3.0 Groundwater Assessment

3.1 Monitor Well Development and Groundwater Elevation Measurement

On May 20 and 21, 2025, ten groundwater monitor wells (MW-1 through MW-10) 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 monitor wells.

Monitor wells were installed to depths of 18 to 67 ft-bgs. Once the total depth of the monitor wells was determined, a 2-inch diameter 10-foot-long section of PVC 0.010-inch slotted well screen was installed with PVC well riser casing installed from the top of the well screen up to two feet above ground surface. A sand pack of #2 filter sand was placed in the annulus between the borehole wall and the well screen up to approximately two feet above the top of the well screen. A bentonite seal was then installed up to approximately two feet above the top of the sand pack. Prior to placing the bentonite in the annulus of the borehole, the well was developed with a submersible pump until turbidity had visually improved. Over five well volumes of water were removed from each well during development. The monitor wells were completed with expandable well caps. The monitor well construction details are presented in **Table 4,** and the location of the monitor wells are shown on **Figure 1**.

On June 9 and 10, 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 807RI-13. The approximate groundwater elevations at each monitor

well are displayed on **Table 4** and are represented on **Figure 4**. Groundwater is assumed to generally flows towards the stream.

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

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

3.3 Monitor Well Sample Results

The laboratory reported detections of numerous 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 5**.

See **Table 6** for a summary of the groundwater analytical results. A copy of the laboratory report and chain of custody records are included in **Appendix IV**.

4.0 Surface Water and Sediment Sampling

On June 10, 2025, S&ME collected surface water and stream sediment samples for laboratory analysis from five locations. Surface water sample locations are identified as SW-1 through SW-5. Laboratory data for the analyzed surface water samples is shown on **Table 7.** Stream sediment sample locations are identified as SD-1 through SD-5 with laboratory data summarized on **Table 8**. Surface water and stream sediment locations SD/SW-1 through SD/SW-5 are shown on **Figure 6**. Sample locations SW-1 and SD-1 are downstream from the landfill, and sample locations SW-5 and SD-5 are upstream from the landfill.

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 for analysis of VOCs by EPA Method 8260D, semi-volatile organic compounds (SVOCs) by EPA Method 8270E SIM, metals by EPA Method 6020B, mercury by EPA Method 7471B, sulfate by EPA Method 9056A, and ammonia by EPA Method 350.1.

4.1.1 Surface Water Sampling Results

Table 7 summarizes the surface water sample analytical results from locations SW-1 through SW-5. Exceedances of the 15A NCAC 02B (2B Standards) surface water quality standards are shown on **Figure 6**. Several other detections were reported; however, the detections were either below 2B Standards or 2B

Standards are not established for those constituents. Copper was detected at a concentration exceeding the 2B Standards at each of the surface water sampling locations and lead exceeded 2B Standards at surface water sampling locations SW-1, SW-4, and SW-5. The highest concentration of copper and lead in surface water was at sample location SW-5, which is upstream of the landfill. The laboratory report and chain of custody record are included in **Appendix IV**.

Detected constituents were input into the NCDEQ Risk Calculator for the recreator/trespasser receptor at each of the respective surface water sampling locations. The carcinogenic risk and non-carcinogenic hazard index for surface water were not exceeded for the recreator/trespasser receptor at any sample location.

4.1.2 Sediment Sampling

Table 8 summarizes sediment analytical results for samples collected from locations SD-1 through SD-5. Detected concentrations of sediment samples were compared to the EPA Resident Soil Screening Levels based on a target cancer risk of 1E-06 and a target hazard quotient of 0.1 from the United States Environmental Protection Agency (USEPA) Regional Screening Levels for Chemical Contaminants at Superfund Sites Table (SL Table) dated November 2024. The laboratory report and chain of custody record are included in **Appendix IV**. **Figure 6** shows the sample locations. Detected constituents were input into the NCDEQ Risk Calculator for the residential, non-residential, and recreator/trespasser receptors at each of the respective sediment sampling locations. The carcinogenic risk and non-carcinogenic hazard index were not exceeded for the non-residential receptor or recreator/trespasser scenarios. The non-carcinogenic hazard index was exceeded for residential receptors at sample location SD-5.

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 landfill gas, groundwater, surface water, and sediment samples that chemicals that potentially cause cancer (carcinogens) and noncarcinogens pose to park users. Carcinogenic and noncarcinogenic effects are evaluated separately as discussed below.

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

The potential for noncancer effects is evaluated by comparing the estimated contaminant exposure 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. The laboratory results from the following locations exceeded risk:

- The Carcinogenic Risk and Hazard Index were exceeded for Residential Use at LFG-6. The Non-Carcinogenic Hazard Index was also exceeded for Non-Residential Worker Use at LFG-6.
- The Non-Carcinogenic Hazard Index was exceeded for both Residential Use and Non-Residential Worker Use at LFG-10.
- The Non-Carcinogenic Hazard Index was exceeded for Residential Use at LFG-12.

5.2 Surface Water Samples

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

5.3 Stream Sediment Samples

The NCDEQ Risk Calculator was run for each stream sediment sample location. The laboratory results from the following exceeded risk:

- The Non-Carcinogenic Hazard Index was exceeded for Residential Use at SD-5. Stream sediment sample location SD-5 is located upstream from the landfill.

Appendix V contains the NCDEQ Risk Calculator Inputs and Outputs.

6.0 Quality Control

Quality control samples were collected and analyzed as follows:

Soil Gas Duplicates

- One SGP duplicate sample was collected for each day of sampling. Duplicates were taken at LFG-2 (DUP-6122025-SG) and LFG-3 (DUP-6132025-SG) and analyzed for the same parameters as the record sample. Analytical results of the duplicate samples were within an acceptable relative difference with the record samples.

Groundwater Duplicates

- One duplicate sample was collected for each day of sampling. Duplicates were taken at MW-6 (DUP-692025-GW) and MW-10 (DUP-6102025-GW) and analyzed for the same parameters as the record sample. Analytical results of the duplicate samples were within an acceptable relative difference with the record sample.

Surface Water/Sediment Duplicates

- One duplicate sample was collected for the day of sampling for both surface water and sediment. Duplicates were taken at SW-1/SD-1. Duplicates were collected separately as DUP-6102025-SW

(surface water) and DUP-6102025-SD (sediment). Analytical results of the duplicate samples were within an acceptable relative difference with the record sample.

Trip Blank

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

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

7.0 Work Plan Deviations

The scope of work was completed in general accordance with the Work Plan.

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. 215952M, dated March 11, 2025, for Task Orders 807RI-13, 14, and 15 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."

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

Signature of Environmental Consultant

Oct. 31, 2025
Date

I, Wilma Craft, a Notary Public of said County and State, do hereby certify that Thomas P. Raymond did personally appear and sign before me this day, produced proper identification in the form of 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 31 day of October, 2025.

(OFFICIAL SEAL)

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

Wilma Craft
Notary Public (signature)

My commission expires: March 12, 2028

Tables

TABLE 1
Landfill Gas Probe Construction Details
Southside Park Landfill (NONCD0000807)
2645 Toomey Ave., Charlotte, Mecklenburg County, North Carolina
S&ME Project No. 215952 Task Order 807RI-15

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)
LFG-1	5/20/25	Flushmount-Gas Probe	1-in Sch 40 PVC	9.3	0.0 - 4.3	4.3 - 9.3	0.0 - 2.3	2.3 - 3.3	3.3 - 9.3
LFG-2	5/20/25	Flushmount-Gas Probe	1-in Sch 40 PVC	13.0	0.0 - 8.0	8.0 - 13.0	0.0 - 4.0	4.0 - 6.0	6.0 - 13.0
LFG-3	5/21/25	Flushmount-Gas Probe	1-in Sch 40 PVC	9.0	0.0 - 4.0	4.0 - 9.0	0.0 - 2.0	2.0 - 3.0	3.0 - 9.0
LFG-4	5/21/25	Flushmount-Gas Probe	1-in Sch 40 PVC	15.0	0.0 - 10.0	10.0 - 15.0	0.0 - 6.0	6.0 - 8.0	8.0 - 15.0
LFG-5	5/20/25	Flushmount-Gas Probe	1-in Sch 40 PVC	14.4	0.0 - 9.4	9.4 - 14.4	0.0 - 5.4	5.4 - 7.4	7.4 - 14.4
LFG-6	5/19/25	Flushmount-Gas Probe	1-in Sch 40 PVC	10.0	0.0 - 5.0	5.0 - 10.0	0.0 - 4.0	4.0 - 5.0	5.0 - 10.0
LFG-7	5/19/25	Flushmount-Gas Probe	1-in Sch 40 PVC	15.0	0.0 - 10.0	10.0 - 15.0	0.0 - 6.0	6.0 - 8.0	8.0 - 15.0
LFG-8	5/19/25	Flushmount-Gas Probe	1-in Sch 40 PVC	11.0	0.0 - 6.0	6.0 - 11.0	0.0 3.0	3.0 - 4.0	4.0 - 11.0
LFG-9	5/19/25	Flushmount-Gas Probe	1-in Sch 40 PVC	12.0	0.0 - 7.0	7.0 - 12.0	0.0 - 4.0	4.0 - 5.0	5.0 - 12.0
LFG-10	5/19/25	Flushmount-Gas Probe	1-in Sch 40 PVC	14.4	0.0 - 9.4	9.4 - 14.4	0.0 - 5.4	5.4 - 7.4	7.4 - 14.4
LFG-11	5/19/25	Flushmount-Gas Probe	1-in Sch 40 PVC	8.0	0.0 - 3.0	3.0 - 8.0	0.0 - 2.0	2.0 - 3.0	3.0 - 8.0
LFG-12	5/19/25	Flushmount-Gas Probe	1-in Sch 40 PVC	15.0	0.0 - 10.0	10.0 - 15.0	0.0 - 6.0	6.0 - 8.0	8.0 - 15.0

Notes:
ft-bgs: feet below ground surface.
in: inch
The Soil Gas Probe locations are indicated on **Figure 1.**

TABLE 2
Landfill Gas Field Screening Results
Southside Park Landfill (NONCD0000807)
2645 Toomey Ave., Charlotte, Mecklenburg County, North Carolina
S&ME Project No. 215952 Task Order 807RI-15

Field Parameter		Volatile Organic Compounds (ppm-v)	Methane (Volume in Air %)	Methane (% Lower Explosive Limit)	Hydrogen Sulfide (ppm-v)
Sample ID	Screening Date				
LFG-1	6/13/2025	0.1	0	0	1
LFG-2	6/13/2025	1.1	0	0	0
LFG-3	6/13/2025	1.0	0.2	0	0
LFG-4	6/13/2025	1.6	0	0	0
LFG-5	6/13/2025	0.9	0	0	0
LFG-6	6/13/2025	7.8	19.2	>>>	2
LFG-7	6/13/2025	58.1	1.9	38	1
LFG-8	6/13/2025	10.2	7.0	>>>	1
LFG-9	6/13/2025	5.8	0.5	2	0
LFG-10	6/13/2025	5.5	28.9	>>>	1
LFG-11	6/13/2025	7.2	0.2	4	0
LFG-12	6/13/2025	24.8	0.5	10	2
BKG-1	6/13/2025	0	0	0	0
BKG-2	6/13/2025	0	0	0	0
BKG-3	6/13/2025	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
Southside Park Landfill (NONCD0000807)
2645 Toomey Ave., Charlotte, Mecklenburg County, North Carolina
S&ME Project No. 215952 Task Order 807RI-15

Analytical Method	Analyte	CAS Number	Sample ID	LFG-1	LFG-2	LFG-3	LFG-4	LFG-5	LFG-6	LFG-7	LFG-8	LFG-9	LFG-10	LFG-11	LFG-12	DUP-6122025-SG	DUP-6132025-SG
			Date Collected	6/12/2025	6/12/2025	6/13/2025	6/12/2025	6/12/2025	6/12/2025	6/13/2025	6/13/2025	6/13/2025	6/13/2025	6/12/2025	6/13/2025	6/12/2025	6/13/2025
Volatile Organic Compounds by Method TO-15 (µg/m3)	1,1,1-Trichloroethane	71-55-6		<8.2	<1.6	<3.3	<8.2	<1.6	<33	<16	<33	<16	<33	<8.2	<16	<1.6	<1.6
	1,1,1,2-Tetrachloroethane	630-20-6		<10	<2.1	<4.1	<10	<2.1	<41	<21	<41	<21	<41	<10	<21	<2.1	<2.1
	1,1,2,2-Tetrachloroethane	79-34-5		<10	<2.1	<4.1	<10	<2.1	<41	<21	<41	<21	<41	<10	<21	<2.1	<2.1
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1		<11	<2.3	<4.6	<11	<2.3	<46	<23	<46	<23	<46	<11	<23	<2.3	<2.3
	1,1,2-Trichloroethane	79-00-5		<8.2	<1.6	<3.3	<8.2	<1.6	<33	<16	<33	<16	<33	<8.2	<16	<1.6	<1.6
	1,1-Dichloroethane	75-34-3		<6.1	<1.2	<2.4	<6.1	<1.2	<24	<12	<24	<12	<24	<6.1	<12	<1.2	<1.2
	1,1-Dichloroethylene	75-35-4		<5.9	<1.2	<2.4	<5.9	<1.2	<24	<12	<24	<12	<24	<5.9	<12	<1.2	**1.7**
	1,2,4-Trimethylbenzene	95-63-6		**7.7**	**3.5**	**3.2**	<7.4	**3.7**	**63**	<15	<29	<15	<29	<7.4	<15	**5.6**	**2.4**
	1,2-Dibromoethane (EDB)	106-93-4		<12	<2.3	<4.6	<12	<2.3	<46	<23	<46	<23	<46	<12	<23	<2.3	<2.3
	1,2-Dichlorobenzene	95-50-1		<9.0	<1.8	<3.6	<9.0	<1.8	<36	<18	<36	<18	<36	<9.0	<18	<1.8	<1.8
	1,2-Dichloroethane	107-06-2		<6.1	<1.2	<2.4	<6.1	<1.2	<24	<12	<24	<12	<24	<6.1	<12	<1.2	<1.2
	1,2-Dichloropropane	78-87-5		<6.9	<1.4	<2.8	<6.9	<1.4	<28	<14	<28	<14	<28	<6.9	<14	<1.4	<1.4
	1,2-Dichlorotetrafluoroethane	76-14-2		<10	<2.1	<4.2	<10	<2.1	<42	<21	<42	<21	<42	<10	<21	<2.1	<2.1
	1,3,5-Trimethylbenzene	108-67-8		<7.4	**1.6**	<2.9	<7.4	<1.5	**37**	<15	<29	<15	<29	<7.4	<15	**1.6**	<1.5
	1,3-Butadiene	106-99-0		<3.3	<0.66	<1.3	<3.3	<0.66	<13	<6.6	<13	<6.6	<13	<3.3	<6.6	<0.66	<0.66
	1,3-Dichlorobenzene	541-73-1		<9.0	<1.8	<3.6	<9.0	<1.8	<36	<18	<36	<18	<36	**11**	<18	<1.8	<1.8
	1,4-Dichlorobenzene	106-46-7		**71**	**2.3**	**7.8**	<9.0	<1.8	**1300**	<18	<36	**190**	<36	<9.0	**26**	**3.7**	**8.7**
	1,4-Dioxane	123-91-1		<5.4	<1.1	<2.2	<5.4	<1.1	<22	<11	<22	<11	<22	<5.4	<11	<1.1	<1.1
	2-Butanone (MEK)	78-93-3		<4.4	**7.1**	**15**	**27**	**5.9**	<18	<8.8	<18	<8.8	**26**	**39**	<8.8	**12**	**17**
	4-Methyl-2-pentanone (MIBK)	108-10-1		<17	<3.4	<6.9	<17	<3.4	<69	<34	<69	<34	<69	<17	<34	**5.0**	<3.4
	Allyl chloride	107-05-1		<4.7	<0.94	<1.9	<4.7	<0.94	<19	<9.4	<19	<9.4	<19	<4.7	<9.4	<0.94	<0.94
	Benzene	71-43-2		<4.8	**1.3**	**19**	<4.8	<0.96	**1400**	**35**	**39**	<9.6	**69**	<4.8	**17**	**1.2**	**18**
	Benzyl chloride	100-44-7		<7.8	<1.6	<3.1	<7.8	<1.6	<31	<16	<31	<16	<31	<7.8	<16	<1.6	<1.6
	Bromodichloromethane	75-27-4		<10	<2.0	<4.0	<10	**5.9**	<40	<20	<40	<20	<40	<10	<20	<2.0	<2.0
	Bromoform	75-25-2		<16	<3.1	<6.2	<16	<3.1	<62	<31	<62	<31	<62	<16	<31	<3.1	<3.1
	Bromomethane	74-83-9		<5.8	<1.2	<2.3	<5.8	<1.2	<23	<12	<23	<12	<23	<5.8	<12	<1.2	<1.2
	Carbon disulfide	75-15-0		**28**	**40**	**100**	**93**	**15**	<47	**53**	<47	<23	<47	**220**	<23	**42**	**33**
	Carbon tetrachloride	56-23-5		<9.4	<1.9	<3.8	<9.4	<1.9	<38	<19	<38	<19	<38	<9.4	<19	<1.9	<1.9
	Chlorobenzene	108-90-7		**290**	**3.0**	**16**	<6.9	**6.0**	**23000**	<14	**80**	**570**	<28	<6.9	**41**	**4.8**	**20**
	Chloroethane	75-00-3		<4.0	<0.79	<1.6	<4.0	**0.83**	<16	<7.9	<16	<7.9	<16	<4.0	<7.9	<0.79	<0.79
	Chloroform	67-66-3		<7.3	<1.5	<2.9	<7.3	**32**	<29	<15	<29	<15	<29	<7.3	<15	<1.5	**5.3**
	Chloromethane	74-87-3		<3.1	**1.1**	<1.2	<3.1	**2.1**	<12	<6.2	<12	<6.2	<12	<3.1	<6.2	**1.0**	**0.77**
	cis-1,2-Dichloroethylene	156-59-2		<5.9	<1.2	**16**	<5.9	<1.2	<24	<12	<24	<12	<24	<5.9	<12	<1.2	**16**
	cis-1,3-Dichloropropene	10061-01-5		<6.8	<1.4	<2.7	<6.8	<1.4	<27	<14	<27	<14	<27	<6.8	<14	<1.4	<1.4
	Cyclohexane	110-82-7		<5.2	**1.5**	**4.4**	<5.2	<1.0	**130**	**29**	<21	<10	**520**	**5.4**	**13**	<1.0	**4.2**
	Dichlorodifluoromethane	75-71-8		<19	**57**	**21**	**21**	<3.7	<74	<37	<74	<37	**320**	<19	<37	**57**	**15**
	Ethyl acetate	141-78-6		<5.4	<1.1	<2.2	<5.4	<1.1	<22	<11	<22	<11	<22	<5.4	<11	<1.1	<1.1
	Ethylbenzene	100-41-4		<6.5	**2.9**	**2.7**	<6.5	<1.3	**76**	<13	<26	<13	<26	<6.5	<13	**2.6**	**2.7**
	Heptane	142-82-5		<6.1	**11**	**4.8**	**14**	**3.9**	**660**	<12	**38**	<12	**270**	<6.1	**22**	**8.4**	**5.4**
	Hexane	110-54-3		<5.3	**11**	**7.5**	**11**	**3.7**	**280**	**11**	**74**	<11	**300**	**6.6**	**38**	**8.9**	**8.4**
	Isopropylbenzene	98-82-8		<7.4	**1.7**	<2.9	<7.4	<1.5	<29	<15	<29	<15	<29	<7.4	<15	**1.5**	<1.5
	m+p-Xylenes	NL		<13	**9.6**	**6**	<13	**4.2**	<52	<26	<52	<26	<52	<13	<26	**9.2**	**5.9**
	Methyl methacrylate	80-62-6		<6.1	<1.2	<2.5	<6.1	<1.2	<25	<12	<25	<12	<25	<6.1	<12	<1.2	<1.2
	Methylene chloride	75-09-2		<13	**8.3**	<5.2	<13	<2.6	<52	**28**	<52	<26	<52	<13	<26	<2.6	**3.8**
	Methyl-tert-butyl ether (MTBE)	1634-04-4		<5.4	<1.1	<2.2	<5.4	<1.1	<22	<11	<22	<11	<22	<5.4	<11	<1.1	<1.1
	Naphthalene	91-20-3		**48**	**7.2**	**15**	**10**	**5.7**	**57**	**17**	<3.7	**42**	**19 J**	**12**	**28**	**16**	**17**
	o-Xylene	95-47-6		<6.5	**4.8**	**3.1**	<6.5	**2.5**	**39**	<13	<26	<13	<26	<6.5	<13	**4.4**	**3.1**
	Propylene	115-07-1		<13	<2.6	**15**	<13	<2.6	**70**	<26	**190**	**26**	<52	**17**	**36**	<2.6	<2.6
	Styrene	100-42-5		<6.4	**1.9**	<2.6	<6.4	<1.3	<26	<13	<26	<13	<26	<6.4	<13	**1.3**	<1.3
	tert- Butyl Alcohol (TBA)	75-65-0		<11	**13**	<4.5	**30**	**10**	<45	<23	<45	<23	<45	**39**	<23	**25**	<2.3
	Tetrachloroethylene (PCE)	127-18-4		**5.6**	**8.4**	**40**	**5.1 J**	<0.25	<5.0	<2.5	<5	<2.5	<5	**5.6**	<2.5	**9.1**	**39**
	Tetrahydrofuran	109-99-9		<4.4	<0.88	<1.8	<4.4	<0.88	<18	<8.8	<18	<8.8	<18	<4.4	<8.8	**2.0**	<0.88
	Toluene	108-88-3		**7.3**	**3.5**	**6.2**	<5.7	**2.3**	**44**	<11	<23	<11	<23	<5.7	<11	**3.0**	**6.0**
	trans-1,2-Dichloroethylene	156-60-5		<5.9	<1.2	**3.1**	<5.9	<1.2	<24	<12	<24	<12	<24	<5.9	<12	<1.2	**3.6**
	trans-1,3-Dichloropropene	10061-02-6		<6.8	<1.4	<2.7	<6.8	<1.4	<27	<14	<27	<14	<27	<6.8	<14	<1.4	<1.4
	Trichloroethylene	79-01-6		<0.69	<0.14	**9.0**	<0.69	<0.14	<2.8	<1.4	<2.8	<1.4	<2.8	<0.69	<1.4	<0.14	**9.2**
	Trichlorofluoromethane	75-69-4		<8.4	**2.0**	<3.4	<8.4	**1.9**	<34	<17	<34	<17	<34	<8.4	<17	**1.8**	<1.7
	Vinyl acetate	108-05-4		<5.3	<1.1	<2.1	<5.3	<1.1	<21	<11	<21	<11	<21	<5.3	<11	<1.1	<1.1
	Vinyl bromide	593-60-2		<6.6	<1.3	<2.6	<6.6	<1.3	<26	<13	<26	<13	<26	<6.6	<13	<1.3	<1.3
	Vinyl chloride	75-01-4		<3.8	<0.77	**5.4**	<3.8	<0.77	<15	**9.6**	**48**	**12**	<15	<3.8	<7.7	<0.77	**5.3**
	Xylenes, Total	1330-20-7		<20	**14**	**9.1**	<20	**6.6**	**83**	<39	<78	<39	<78	<20	<39	**14**	**8.9**
ASTM Method D5504 (µg/m3)	Hydrogen Sulfide	7783-06-4		<14	<14	**15**	<14	<14	**1000**	<14	**20**	<14	**1200**	<14	**120**	<14	NA
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	<0.67	<0.67	NA
EPA Method 3C (%)	Methane	74-82-8		<0.45	<0.45	<0.45	<0.45	<0.45	**14.8**	<0.45	**6.47**	<0.45	**29.6**	<0.45	**0.55**	<0.45	<0.45
NCDEQ Risk Calculator Values	Vapor Intrusion Resident Soil Gas To Indoor Air	Cumulative Carcinogenic Risk		2.6E-05	6.5E-06	1.2E-05	3.6E-06	1.2E-05	2.9E-04	1.1E-05	1.2E-05	4.0E-05	1.3E-05	4.4E-06	1.5E-05	See LFG-2 Risk Assessment.	See LFG-3 Risk Assessment.
		Non-Carcinogenic Hazard Quotient		0.64	0.2	0.69	0.11	0.54	30	0.21	0.41	0.74	1.8	0.13	2.0		
	Vapor Intrustion Non-Residential Worker Soil Gas To Indoor Air	Cumulative Carcinogenic Risk		2.0E-06	4.9E-07	8.3E-07	2.8E-07	9.4E-07	2.2E-05	7.3E-07	4.2E-07	2.9E-06	9.7E-07	3.3E-07	1.1E-06		
		Non-Carcinogenic Hazard Quotient		0.051	0.016	0.055	0.0088	0.043	2.4	0.016	0.032	0.059	1.4	0.01	0.16		

Notes:
µg/m^3: micrograms per cubic meter.
Concentrations shown in **BOLD** exceed the laboratory detection limits.
Concentrations shown with "<" do not exceed the laboratory detection limits.
Concentrations were not entered into the NCDEQ Risk Calculator (January 2025 Version), Compound not in Calculator.
Exceedes the Lower Explosive Limit (LEL) of methane which is 5% by volume, the screening level is 1.25% by volume. Exceedances of the LEL are highlighted.
NCDEQ Risk Calculator Values shown in red exceed risk.
NIOSH 6009 Mercury Samples were collected on June 11, 2025. DUP-6122025-SG was sampled at LFG-2, and DUP-6132025-SG was sampled at LFG-3.

TABLE 4
Groundwater Monitor Well Construction & Groundwater Levels
Southside Park Landfill (NONCD0000807)
2645 Toomey Ave., Charlotte, Mecklenburg County, North Carolina
S&ME Project No. 215952 Task Order 807RI-15

ID	Date Installed	Type	Casing Material	Total Depth (ft-bgs)	Casing Interval (ft-bgs)	Screen Interval (ft-bgs)	Grout Interval (ft-bgs)	Bentonite Interval (ft-bgs)	Filter Pack Interval (ft-bgs)	Top of Casing Elevation (ft-amsl)	Date Water Level Measured	Depth to Groundwater (ft-btoc)	Groundwater Elevation (ft-amsl)
MW-1	5/20/25	Flush Mount - Monitoring Well	2-in Sch 40 PVC	33.0	0.0 to 23.0	23.0 to 33.0	0.0 to 19.0	19.0 to 21.0	21.0 to 33.0	673.49	6/9/2025	21.13	652.36
MW-2	5/21/25	Flush Mount - Monitoring Well	2-in Sch 40 PVC	32.8	0.0 to 22.8	22.8 to 32.8	0.0 to 18.8	18.8 to 20.8	20.8 to 32.8	669.59	6/9/2025	10.30	659.29
MW-3	5/27/25	Flush Mount - Monitoring Well	2-in Sch 40 PVC	67.0	0.0 to 57.0	57.0 to 67.0	0.0 to 53.0	53.0 to 55.0	55.0 to 67.0	670.79	6/10/2025	27.38	643.41
MW-4	5/21/25	Flush Mount - Monitoring Well	2-in Sch 40 PVC	24.0	0.0 to 14.0	14.0 to 24.0	0.0 to 10.0	10.0 to 12.0	12.0 to 24.0	670.23	6/9/2025	18.59	651.64
MW-5	5/21/25	Flush Mount - Monitoring Well	2-in Sch 40 PVC	18.0	0.0 to 8.0	8.0 to 18.0	0.0 to 4.0	4.0 to 6.0	6.0 to 18.0	667.58	6/9/2025	8.66	658.92
MW-6	5/21/25	Flush Mount - Monitoring Well	2-in Sch 40 PVC	19.0	0.0 to 9.0	9.0 to 19.0	0.0 to 5.0	5.0 to 7.0	7.0 to 19.0	663.46	6/9/2025	14.50	648.96
MW-7	5/20/25	Flush Mount - Monitoring Well	2-in Sch 40 PVC	38.3	0.0 to 28.3	28.3 to 38.3	0.0 to 24.3	24.3 to 26.3	26.3 to 38.3	671.92	6/9/2025	24.70	647.22
MW-8	5/20/25	Flush Mount - Monitoring Well	2-in Sch 40 PVC	42.4	0.0 to 32.4	32.4 to 42.4	0.0 to 28.4	28.4 to 30.4	30.4 to 42.4	666.40	6/10/2025	23.74	642.66
MW-9	5/21/25	Flush Mount - Monitoring Well	2-in Sch 40 PVC	23.5	0.0 to 13.5	13.5 to 23.5	0.0 to 9.5	9.5 to 11.5	11.5 to 23.5	676.51	6/10/2025	17.55	658.96
MW-10	5/27/25	Flush Mount - Monitoring Well	2-in Sch 40 PVC	67.0	0.0 to 57.0	57.0 to 67.0	0.0 to 53.0	53.0 to 55.0	55.0 to 67.0	694.97	6/10/2025	42.02	652.95

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

TABLE 5
Groundwater Field Screening Parameters
Southside Park Landfill (NONCD0000807)
2645 Toomey Ave., Charlotte, Mecklenburg County, North Carolina
S&ME Project No. 215952 Task Order 807RI-15

Sample Location ID	Date	Field Parameter		
		pH	Temperature (°C)	Conductivity (µS/cm)
MW-1	6/9/2025	7.7	22.3	173
MW-2	6/9/2025	7.7	21	128
MW-3	6/10/2025	7.9	20.3	171
MW-4	6/9/2025	7.6	19.1	250
MW-5	6/9/2025	7.1	18.1	145
MW-6	6/9/2025	7.8	20.1	185
MW-7	6/9/2025	7.8	20.9	300
MW-8	6/10/2025	7.5	20.7	145
MW-9	6/10/2025	7.4	19.7	199
MW-10	6/10/2025	7.6	18.8	128

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

Table 6
Groundwater Sample Analytical Results Summary
Southside Park Landfill (NONCD0000807)
2645 Toomey Ave., Charlotte, Mecklenburg County, North Carolina
S&ME Project No. 215952 Task Order 807RI-15

Analytical Method		Method 8260D - Volatile Organic Compounds (VOCs)							Method 8270E - Semi Volatile Organic Compounds (SVOC)																
CAS Number		135-98-8	108-90-7	156-59-2	98-82-8	91-20-3	127-18-4	79-01-6	92-52-4	105-67-9	121-14-2	91-57-6	59-50-7	83-32-9	120-12-7	105-60-2	86-74-8	117-81-7	132-64-9	206-44-0	86-73-7	86-30-6	91-20-3	85-01-8	129-00-0	123-91-1
Analyte		sec-Butylbenzene	Chlorobenzene	cis-1,2-Dichloroethene	Isopropylbenzene (Cumene)	Naphthalene	Tetrachloroethene	Trichloroethene	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinotrotoluene	2-Methylnaphthalene	4-Chloro-3-methylphenol	Acenaphthene	Anthracene	Caprolactam	Carbazole	Di(2-ethylhexyl) phthalate	Dibenzofuran	Fluoranthene	Fluorene	n-Nitrosodiphnylamine	Naphthalene	Phenanthrene	Pyrene	1,4-Dioxane
Sample ID	Date Collected																									
MW-1	6/9/2025	<0.700	<0.420	<0.200	<0.530	<3.00	<0.330	<0.150	<0.424	<0.242	<0.657	<0.818	<0.737	<0.636	<0.919	<2.42	<0.323	<4.04	<0.646	<0.636	<0.677	<0.192	<0.758	<0.747	<0.636	<0.277
MW-2	6/9/2025	<0.700	<0.420	<0.200	<0.530	**3.79 J**	<0.330	<0.150	<0.424	<0.242	<0.657	**1.64 J**	<0.737	<0.636	<0.919	<2.42	<0.323	<4.04	<0.646	<0.636	<0.677	<0.192	**3.53 J**	<0.747	<0.636	<0.275
MW-3	6/10/2025	<0.700	<0.420	**1.35**	<0.530	<3.00	**1.12**	**0.616 J**	<0.420	<0.240	<0.650	<0.810	<0.730	<0.630	<0.910	**10.4**	<0.320	<4.00	<0.640	<0.630	<0.670	<0.190	<0.750	<0.740	<0.630	<0.279
MW-4	6/9/2025	<0.700	<0.420	<0.200	<0.530	<3.00	<0.330	<0.150	<0.420	<0.240	<0.650	<0.810	**1.20 J**	**1.28 J**	<0.910	<2.40	**0.970 J**	<4.00	<0.640	<0.630	<0.670	**0.201 J**	<0.750	<0.740	<0.630	**12.0**
MW-5	6/9/2025	<0.700	<0.420	<0.200	<0.530	<3.00	<0.330	<0.150	<0.416	<0.238	<0.644	<0.802	<0.723	<0.624	<0.901	<2.38	<0.317	<3.96	<0.634	<0.624	<0.663	<0.188	<0.743	<0.733	<0.624	<0.283
MW-6	6/9/2025	**1.06**	**0.582 J**	<0.200	**2.15**	<3.00	<0.330	<0.150	<0.408	<0.233	<0.631	**6.02 J**	**3.83 J**	**3.95 J**	**1.11 J**	<2.33	<0.311	**4.55 J**	**1.28 J**	**3.20 J**	**2.67 J**	**0.581 J**	<0.728	**5.96 J**	**2.79 J**	<1.37
MW-7	6/9/2025	<0.700	<0.420	<0.200	<0.530	**47.7**	<0.330	<0.150	**1.71 J**	**0.286 J**	**1.48 J**	**6.97 J**	<0.702	**9.89**	**2.37 J**	<2.31	**19.0**	<3.85	**6.68 J**	**0.843 J**	**8.56 J**	<0.183	**28.5**	**9.27 J**	<0.606	<0.277
MW-8	6/10/2025	<0.700	<0.420	<0.200	<0.530	<3.00	<0.330	<0.150	<0.409	<0.234	<0.633	<0.789	<0.711	<0.614	<0.886	<2.34	<0.312	<3.90	<0.623	<0.614	<0.653	<0.185	<0.731	<0.721	<0.614	<0.275
MW-9	6/10/2025	<0.700	<0.420	<0.200	<0.530	<3.00	<0.330	<0.150	<0.416	<0.238	<0.644	<0.802	<0.723	<0.624	<0.901	<2.38	<0.317	<3.96	<0.634	<0.624	<0.663	<0.188	<0.743	<0.733	<0.624	<0.286
MW-10	6/10/2025	<0.700	<0.420	<0.200	<0.530	<3.00	<0.330	<0.150	<0.423	<0.242	<0.654	<0.815	<0.735	<0.634	<0.916	**9.71 J**	<0.322	<4.03	<0.644	<0.634	<0.674	<0.191	<0.755	<0.745	<0.634	<0.279
DUP-692025	6/9/2025	**1.14**	**0.532 J**	<0.200	**2.17**	<3.00	<0.330	<0.150	<0.416	<0.238	<0.644	**6.46 J**	**3.62 J**	**3.90 J**	**1.36 J**	<2.38	<0.317	**5.69 J**	**1.23 J**	**4.13 J**	**2.75 J**	**0.571 J**	<0.743	**7.25 J**	**3.39 J**	**0.279**
DUP-6102025	6/10/2025	<0.700	<0.420	<0.200	<0.530	<3.00	<0.330	<0.150	<0.429	<0.245	<0.663	<0.827	<0.745	<0.643	<0.929	**12.5**	<0.327	<4.08	<0.653	<0.643	<0.684	<0.194	<0.765	<0.755	<0.643	<0.277
15A NCAC 2L Groundwater Standards & IMACs		70	50	70	70	6	0.7	3	400	100	0.05	30	NE	80	2,000	4,000	NE	3	NE	300	300	NE	6	200	200	3

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.

Yellow Highlight is exceedance of 2L Groundwater Standards

J: The reported result is an estimated value.

H: Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.

H3: Samples were received and analyzed past holding time. This does not meet regulatory requirements.

F1: Matrix Spike (MS) and/or Matrix Spike Duplicate (MSD) recovery exceeds control limits.

F2: MS/MSD Relative Percent Different (RPD) exceeds control limits.

DUP-692025-GW was taken at MW-6.

DUP-6102025-GW was taken at MW-10.

Table 6
Groundwater Sample Analytical Results Summary
Southside Park Landfill (NONCD0000807)
2645 Toomey Ave., Charlotte, Mecklenburg County, North Carolina
S&ME Project No. 215952 Task Order 807RI-15

Analytical Method		Method 6020B - Metals													Method 7471B	Method 350.1	Method 9056A	Method 9056A	Method 9056A
CAS Number		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	7440-62-2	7440-66-6	7439-97-6	7664-41-7	14797-65-0	14797-55-8	14808-79-8
Analyte		Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium, Total	Cobalt	Copper	Lead	Manganese	Nickel	Selenium	Vanadium	Zinc	Mercury	Ammonia Nitrogen	Nitrite as (N)	Nitrate as (N)	Sulfate
Sample ID	Date Collected																			
MW-1	6/9/2025	<0.340	<0.860	**33.9**	<0.200	<0.0780	**8.60**	**7.17**	**7.36**	**0.310 J**	**1410**	**13.4**	<0.990	**11.5**	**20.9**	<0.0800 F1 F2	<46	**43.8 J H H3**	**1,920 H H3**	**28,900**
MW-2	6/9/2025	<0.340	<0.860	**222**	**0.365 J**	**0.155 J**	**4.47 J**	**18.0**	**57.3**	**7.06**	**3530**	**12.9**	**1.08 J**	**32.6**	**73.7**	<0.0800 F1	**113**	<18 H H3	**1,640 H H3**	**26,600**
MW-3	6/10/2025	**1.12 J**	**0.870 J**	**235**	<0.200	<0.0780	**21.5**	**4.61**	**7.40**	**1.11 J**	**778**	**13.6**	<0.990	**15.7**	**23.0**	<0.0800	<46	<18 H	**202 H**	**65,500**
MW-4	6/9/2025	<0.340	**2.91 J**	**646**	<0.200	**0.150 J**	**2.67 J**	**16.5**	**6.34**	**27.2**	**1290**	**5.50**	<0.990	**15.8**	**66.0**	**0.123 J**	**24,700**	<18 H H3	**26 J H H3**	**22,400**
MW-5	6/9/2025	**0.660 J**	**1.20 J**	**554**	**0.600**	**0.270 J**	**10.3**	**16.5**	**84.8**	**29.3**	**2410**	**7.49**	<0.990	**58.1**	**94.3**	<0.0800	**2,560**	<18 H H3	<18 H H3	**1,150**
MW-6	6/9/2025	<0.340	**2.27 J**	**730**	**0.325 J**	**0.840**	**5.71**	**8.85**	**1.57 J**	**65.9**	**380**	**6.93**	<0.990	**19.9**	**1130**	**0.236**	**38,700**	<18 H H3	**18 J H H3**	**1,460**
MW-7	6/9/2025	**0.665 J**	<0.860	**105**	<0.200	**0.165 J**	**10.7**	**4.89**	**26.1**	**28.0**	**739**	**9.68**	**14.7**	**17.8**	**50.6**	<0.0800	**259**	**62.4 J H H3**	**16,900 H H3**	**136,000**
MW-8	6/10/2025	<0.340	<0.860	**90.9**	<0.200	<0.0780	<1.20	**2.84**	**6.82**	**0.515 J**	**458**	**15.7**	<0.990	**7.57 J**	**16.7 J**	<0.0800	<46	**63.5 J H**	**2,720 H**	**28,100**
MW-9	6/10/2025	<0.340	<0.860	**440**	**1.46**	**0.570**	**103**	**114**	**267**	**85.1**	**7710**	**106**	**1.55 J**	**102**	**469**	**0.196 J**	**225**	**237 H**	<18 H	**110,000**
MW-10	6/10/2025	<0.340	<0.860	**83.1**	<0.200	<0.0780	**2.70 J**	**0.895**	**4.00 J**	**0.310 J**	**97.4**	**2.32 J**	<0.990	**8.71 J**	**3.51 J**	<0.0800	<46	<18 H H3	**1,040 H**	**29,500**
DUP-692025	6/9/2025	<0.340	**2.65 J**	**823**	**0.315 J**	**0.845**	**7.00**	**11.4**	**1.26 J**	**82.4**	**504**	**8.28**	<0.990	**29.8**	**1540**	**0.294**	**37,200**	<18 H H3	<18 H H3	**1,740**
DUP-6102025	6/10/2025	<0.340	<0.860	**94.6**	<0.200	<0.0780	**3.87 J**	**1.51**	**5.90**	**0.570 J**	**137**	**3.55 J**	<0.990	**10.4**	**6.92 J**	<0.0800	**90**	<18 H H3	**801 H H3**	**23,900**
15A NCAC 2L Groundwater Standards & IMACs		1	10	700	4	2	10	1	1,000	15	50	100	20	7	1,000	1	NE	1,000	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.

Yellow Highlight is exceedance of 2L Groundwater Standards

J: The reported result is an estimated value.

H: Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.

H3: Samples were received and analyzed past holding time. This does not meet regulatory requirements.

F1: Matrix Spike (MS) and/or Matrix Spike Duplicate (MSD) recovery exceeds control limits.

F2: MS/MSD Relative Percent Different (RPD) exceeds control limits.

DUP-692025-GW was taken at MW-6.

DUP-6102025-GW was taken at MW-10.

Table 7
Surface Water Sample Analytical Results Summary
Southside Park Landfill (NONCD0000807)
2645 Toomey Ave., Charlotte, Mecklenburg County, North Carolina
S&ME Project No. 215952 Task Order 807RI-15

Analytical Method														Method 350.1	Method 9056A	Method 9056A	Method 9056A	NCDEQ Risk Calculator for Recreator/Trespasser Receptor	
CAS Number		127-18-4	79-01-6	123-91-1	7440-39-3	7440-48-4	7440-50-8	7439-92-1	7439-96-5	7440-02-0	7440-28-0	7440-62-2	7440-66-6	7664-41-7	14797-65-0	14797-55-8	14808-79-8		
Analyte		Tetrachloroethene	Trichloroethene	1,4-Dioxane	Barium	Cobalt	Copper	Lead	Manganese	Nickel	Thallium	Vanadium	Zinc	Ammonia Nitrogen	Nitrite as (N)	Nitrate as (N)	Sulfate	Cumulative Carcinogenic Risk	Non-Carcinogenic Hazard Quotient
Sample ID	Date Collected																		
SW-1	6/10/2025	**2.97**	<0.150	<0.286	**80.6**	**0.771 J**	**4.69**	**0.868 J**	**69.0**	**3.19 J**	**0.781 J**	**2.91 J**	**17.0**	**87**	**44.8 J H**	**2,060 H**	**58,800**	2.4E-08	0.39
SW-2	6/10/2025	**6.07**	<0.150	<0.278	**77.0**	**0.843 J**	**4.85**	<0.864	**78.6**	**3.50 J**	**0.255 J**	**2.90 J**	**11.6**	**298**	**48.5 J H**	**2,030 H**	**63,700**	4.8E-08	0.18
SW-3	6/10/2025	**12.0**	**0.468 J**	**0.309**	**76.7**	**0.951 J**	**5.86**	<0.864	**46.5**	**4.27 J**	<0.190	**3.30 J**	**16.5**	**180**	**62.3 J H**	**1,860 H**	**42,600**	1.6E-07	0.091
SW-4	6/10/2025	<0.330	<0.150	<0.294	**48.1**	**0.550 J**	**4.43**	**3.42**	**55.4**	**1.69 J**	<0.190	**3.90 J**	**15.7**	<50	<100 H	**707**	**21,500**	0.0E+00	0.042
SW-5	6/10/2025	<0.330	<0.150	<0.286	**52.2**	**0.549 J**	**16.7**	**2.69**	**67.0**	**1.73 J**	<0.190	**3.36 J**	**11.0**	<50	<100 H	**736 H**	**22,600**	0.0E+00	0.047
DUP-6102025-SW	6/10/2025	**3.23**	<0.150	**0.293**	**78.4**	**0.789 J**	**4.77**	**0.966 J**	**70.1**	**3.58 J**	<0.190	**2.64 J**	**22.1**	**88**	**45.3 J H H3**	**1,950 H H3**	**66,500**	See SW-1 Risk Assessment above.	
15A NCAC 2B Groundwater Standards		**4**	**30**	**NE**	**1000**	**NE**	**2.7**	**0.54**	**NE**	**16**	**NE**	**NE**	**36**	**NE**	**NE**	**10,000**	**250,000**		

Notes:

Concentrations are reported in micrograms per liter (ug/L).

NE 15 A NCAC 2 B Surface Water Standard Not Established

Target constituents not shown for the method were not detected.

All detections are shown in bold.

Detections that exceed the North Carolina 15A NCAC 2B Surface Water Standards are highlighted.

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. This does not meet regulatory requirements.

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

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

Yellow Highlight is exceedance of 2B Surface Water Standards

Concentrations were not entered into the NCDEQ Risk Calculator (January 2025 Version), Compound not in Calculator.

Table 8
Sediment Sample Analytical Results Summary
Southside Park Landfill (NONCD0000807)
2645 Toomey Ave., Charlotte, Mecklenburg County, North Carolina
S&ME Project No. 215952 Task Order 807RI-15

Analytical Method		Method 8260D - Volatile Organic Compounds (VOCs)		Method 8270 - Semi Volatile Organic Compounds (SVOCs)											Method 6020B - Metals						
CAS Number		67-64-1	78-93-3	56-55-3	50-32-8	205-99-2	191-24-2	207-08-9	218-01-9	206-44-0	193-39-5	85-01-8	129-00-0	123-91-1	7440-36-0	7440-38-2	7440-39-3	7440-41-7	7440-43-9	7440-47-3	7440-48-4
Analyte		Acetone	2-Butanone (MEK)	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Phenanthrene	Pyrene	1,4-Dioxane	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium, Total	Cobalt
Sample ID	Date Collected																				
SD-1	6/10/2025	**0.0277 J**	<0.00667	**1.70 J**	**1.71 J**	**3.04**	**0.966 J**	**1.25 J**	**1.90 J**	**3.96**	**0.881 J**	**1.67 J**	**2.25**	**0.00952**	**0.214 J**	**1.15**	**47.8**	**0.188 J**	**0.169 J**	**23.6**	**7.72**
SD-2	6/10/2025	**0.0165 J**	<0.00553	<0.596	<0.318	<0.671	<0.745	<0.528	<0.718	**0.554 J**	<0.901	<0.549	<0.528	**0.0255**	**0.269 J**	**1.91**	**50.7**	**0.186 J**	**0.280 J**	**27.9**	**8.80**
SD-3	6/10/2025	**0.0376**	<0.00543	<0.535	<0.286	<0.602	<0.668	<0.474	<0.644	<0.444	<0.808	<0.492	<0.474	**0.00910**	<0.145	**1.02**	**55.0**	**0.140 J**	**0.119 J**	**14.4**	**10.6**
SD-4	6/10/2025	**0.0209**	**0.00440 J**	<0.627	<0.335	<0.706	<0.784	<0.556	<0.755	<0.520	<0.948	<0.577	<0.556	**0.0370**	**0.282 J**	**0.926**	**45.4**	**0.199 J**	**0.101 J**	**36.8**	**11.7**
SD-5	6/10/2025	**0.0799**	<0.00975	<0.595	<0.318	<0.669	<0.744	<0.527	<0.717	<0.494	<0.899	<0.548	<0.527	<0.00809	<0.166	**1.40**	**90.0**	**0.504**	**0.168 J**	**38.1**	**23.7**
DUP-6102025-SD	6/10/2025	**0.0388**	<0.00576	<0.578	<0.309	<0.650	<0.722	<0.512	<0.696	**0.901 J**	<0.873	<0.532	**0.543 J**	<0.00788	**0.162 J**	**1.32**	**65.9**	**0.212 J**	**0.181 J**	**20.1**	**9.19**
USEPA Resident Soil Screening Levels		**14,000**	**5,500**	**1.1**	**0.11**	**1.1**	**NE**	**11**	**110**	**240**	**1.1**	**NE**	**180**	**5.3**	**3.1**	**0.68**	**1,500**	**16**	**0.71**	**NE**	**2.3**

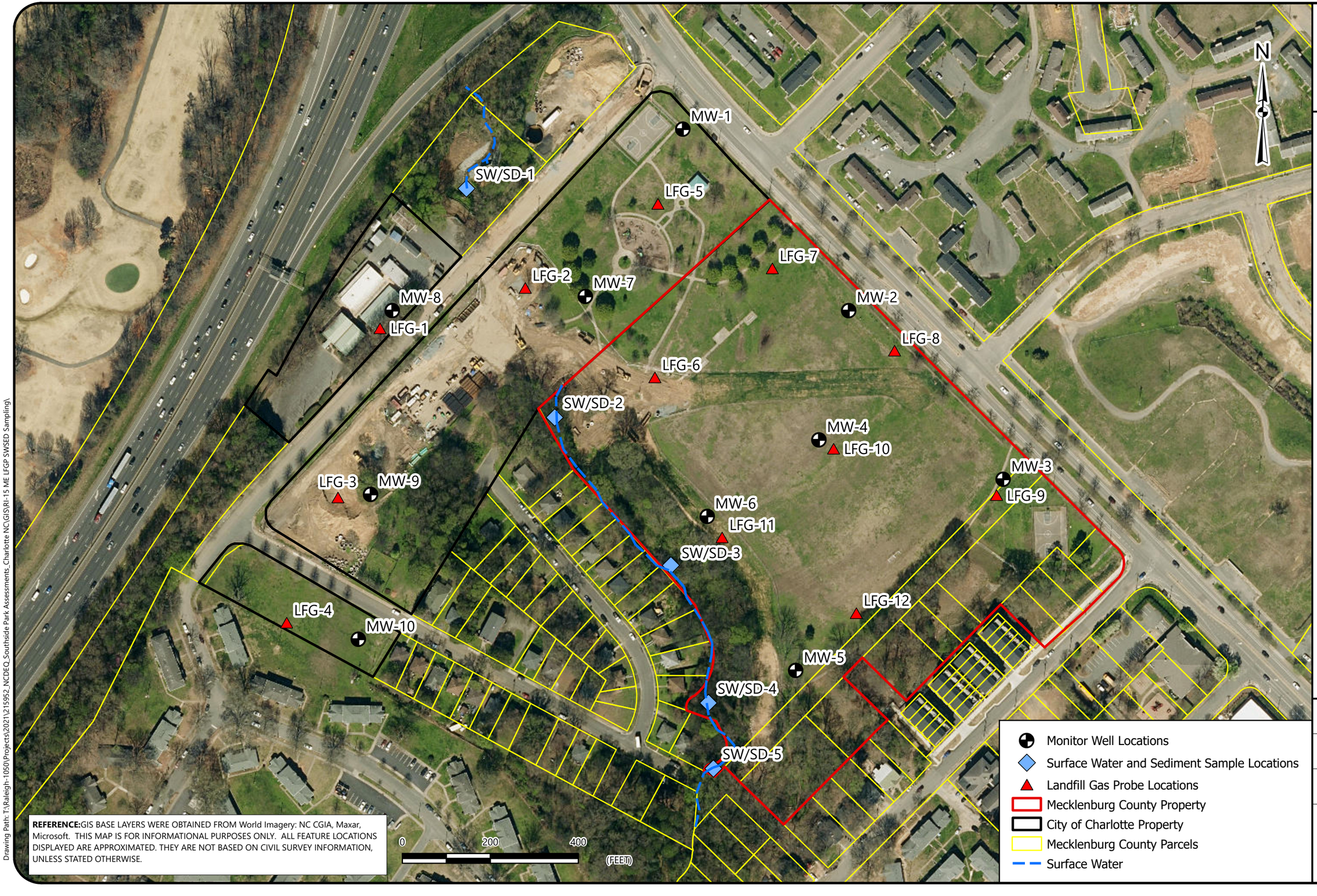
Notes:
Concentrations are reported in milligrams per kilogram (mg/kg).
Target constituents not shown for the method were not detected.
All detections are shown in bold.
United States Environmental Protection Agency (USEPA) Resident Soil Screening Levels based on a target cancer risk of 1E-06 and a target hazard quotient of 0.1 [from the United States Environmental Protection Agency (USEPA) Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites Table (SL Table) dated November 2024].
J: Result is less than the reporting limit but greater than or equal to the MDL and the concentration is an approximate value.
Yellow Highlight indicates the concentration is above the respective RSL
Concentrations were not entered into the NCDEQ Risk Calculator (January 2025 Version), Compound not in Calculator.
NCDEQ Risk Calculator Values shown in red exceed risk.

Table 8
Sediment Sample Analytical Results Summary
Southside Park Landfill (NONCD0000807)
2645 Toomey Ave., Charlotte, Mecklenburg County, North Carolina
S&ME Project No. 215952 Task Order 807RI-15

Analytical Method		Method 6020B - Metals									Method 7199	Method 350.1	Method 9056A	NCDEQ Risk Calculator Values for Each Receptor					
														Resident		Non-Residential Worker		Recreator/Trespasser	
CAS Number		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	18540-29-9	7664-41-7	14808-79-8						
Analyte		Copper	Lead	Manganese	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Hexavalent Chromium	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																		
SD-1	6/10/2025	**15.9**	**18.8**	**280**	**6.53**	**0.211 J**	**0.111 J**	**0.0385 J**	**25.3**	**47.1**	**2.56**	<406	**24.7 J**	2.5E-05	0.95	1.7E-06	0.065	1.1E-05	0.41
SD-2	6/10/2025	**19.1**	**24.4**	**425**	**7.58**	**0.152 J**	**0.164 J**	<0.0297	**31.2**	**85.0**	**0.931**	<434	**22.2 J**	3.8E-06	0.82	6.8E-07	0.055	1.6E-06	0.35
SD-3	6/10/2025	**26.4**	**10.4**	**259**	**9.45**	**0.184 J**	**0.0877 J**	<0.0267	**25.5**	**44.9**	<0.507	<397	**13.5 J**	1.5E-06	0.72	3.4E-07	0.049	6.5E-07	0.31
SD-4	6/10/2025	**14.1**	**31.2**	**475**	**6.25**	**0.162 J**	**0.0283 J**	<0.0314	**39.9**	**42.4**	**1.64**	**542 J**	**64.1**	3.1E-06	0.94	3.9E-07	0.063	1.3E-06	0.40
SD-5	6/10/2025	**35.5**	**26.1**	**559**	**8.29**	**0.310 J**	**0.0192 J**	**0.0495 J**	**93.0**	**108**	**1.15**	**695 J**	**10.7 J**	3.3E-06	1.7	5.2E-07	0.12	1.4E-06	0.74
DUP-6102025-SD	6/10/2025	**23.6**	**23.4**	**386**	**7.28**	**0.142 J**	**0.242**	<0.0281	**28.5**	**69.1**	**2.83**	**702 J**	**14.7 J**	See SD-1 Risk Assessment above.					
USEPA Resident Soil Screening Levels		**310**	**200**	**180**	**140**	**39**	**39**	**0.078**	**39**	**2,300**	**0.95**	**NE**	**NE**						

Notes:
Concentrations are reported in milligrams per kilogram (mg/kg).
Target constituents not shown for the method were not detected.
All detections are shown in bold.
United States Environmental Protection Agency (USEPA) Resident Soil Screening Levels based on a target cancer risk of 1E-06 and a target hazard quotient of 0.1 [from the United States Environmental Protection Agency (USEPA) Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites Table (SL Table) dated November 2024].
J: Result is less than the reporting limit but greater than or equal to the MDL and the concentration is an approximate value.
Yellow Highlight indicates the concentration is above the respective RSL
Concentrations were not entered into the NCDEQ Risk Calculator (January 2025 Version), Compound not in Calculator.
NCDEQ Risk Calculator Values shown in red exceed risk.

Figures



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

SITE MAP

SOUTHSIDE PARK LANDFILL
NCDEQ ID NO. NONCD0000870 TASK ORDER 870-RI-15
REMOUNT ROAD, CHARLOTTE, MECKLENBURG COUNTY NC

SCALE:
1": 200'

DATE:
10/8/2025

PROJECT NUMBER
215952

FIGURE NO.
1

Drawing Path: T:\Raleigh-1050\Projects\2021\215952_NCDEQ_Southside Park Assessments_Charlotte NC\GIS\RI-15 ME LFGP SWSED Sampling\

LANDFILL GAS SCREENING RESULTS

SOUTHSIDE PARK LANDFILL
NCDEQ ID NO. NONCD0000870 TASK ORDER 870-RI-15
REMOUNT ROAD, CHARLOTTE, MECKLENBURG COUNTY NC

LFG-1
VOC: 0.1 ppm-v
H2S: 1 ppm-v

LFG-2
VOC: 1.1 ppm-v

LFG-3
VOC: 1.1 ppm-v
Methane: 0.2%

LFG-4
VOC: 1.6 ppm-v

LFG-5
VOC: 0.9 ppm-v

LFG-6
VOC: 7.8 ppm-v
Methane: 19.2%
LEL: >>>
H2S: 2 ppm-v

LFG-7
VOC: 58.1 ppm-v
Methane: 1.9%
LEL: 38%

LFG-8
VOC: 10.2 ppm-v
Methane: 7%
LEL: >>>
H2S: 1 ppm-v

LFG-9
VOC: 5.8 ppm-v
Methane: 0.5%
LEL: 10%

LFG-10
VOC: 5.5 ppm-v
Methane: 28.9%
LEL: >>>
H2S: 1 ppm-v

LFG-11
VOC: 7.2 ppm-v
Methane: 0.2%
LEL: 4%

LFG-12
VOC: 24.8 ppm-v
Methane: 0.5%
LEL: 10%
H2S: 2 ppm-v

Southside Park
Toomey Ave
Chicago Ave
Remount Rd
Remus Rd
Brookhill Rd
Village Cr
Miller
Norfolk Ave
692 ft

N

0 200 400
(FEET)

NOTES:
LANDFILL GAS SCREENING WITH METERS WAS CONDUCTED ON JUNE 9, 2025. ONLY DETECTIONS ABOVE THE BACKGROUND LEVELS ARE SHOWN.
RESULTS FROM SCREENING EVENT CAN BE FOUND IN TABLE 2.
PPM-V: PARTS PER MILLION BY VOLUME
LEL: LOWER EXPLOSIVE LIMIT FOR METHANE IS 5% VOLUME IN AIR
>>>: METHANE IS ABOVE LEL
H2S: HYDROGEN SULFIDE
VOC: VOLATILE ORGANIC COMPOUNDS

REFERENCE:
GIS BASE LAYERS WERE OBTAINED FROM World Hillshade: Sources: Esri, Maxar, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap, and the GIS user community

Landfill Gas Probe Locations
Mecklenburg County Property
City of Charlotte Property
Mecklenburg County Parcels

SCALE:
1": 200'

DATE:
10/8/2025

PROJECT NUMBER
215952

FIGURE NO.
2

Drawing Path: T:\Raleigh-1050\Projects\2021\215952_NCDEQ_Southside Park Assessments_Charlotte NC\GIS\RI-15 ME LFGP SWSED Sampling\

LANDFILL GAS RISK ASSESSMENT & LABORATORY RESULTS MAP

SOUTHSIDE PARK LANDFILL
NCDEQ ID NO. NONCD0000870 TASK ORDER 870-RI-15
REMOUNT ROAD, CHARLOTTE, MECKLENBURG COUNTY NC

LFG-1 6/12/2025
RES CR: 2.6E-05
RES HI: 0.64
NON-RES CR: 2.0E-06
NON-RES HI: 0.051
Methane by Volume: ND
H2S: ND

LFG-2 6/12/2025
RES CR: 6.5E-06
RES HI: 0.20
NON-RES CR: 4.9E-07
NON-RES HI: 0.016
Methane by Volume: ND
H2S: ND

LFG-3 6/13/2025
RES CR: 1.2E-05
RES HI: 0.69
NON-RES CR: 8.3E-07
NON-RES HI: 0.055
Methane by Volume: ND
H2S: 15

LFG-4 6/12/2025
RES CR: 3.6E-06
RES HI: 0.11
NON-RES CR: 2.8E-07
NON-RES HI: 0.0088
Methane by Volume: ND
H2S: ND

LFG-5 6/12/2025
RES CR: 1.2E-05
RES HI: 0.54
NON-RES CR: 9.4E-07
NON-RES HI: 0.043
Methane by Volume: ND
H2S: ND

LFG-6 6/12/2025
RES CR: 2.9E-04
RES HI: 30
NON-RES CR: 2.2E-05
NON-RES HI: 2.4
Methane by Volume: 14.8%
H2S: 1000

LFG-7 6/13/2025
RES CR: 1.1E-05
RES HI: 0.21
NON-RES CR: 7.3E-07
NON-RES HI: 0.016
Methane by Volume: ND
H2S: ND

LFG-8 6/13/2025
RES CR: 1.2E-05
RES HI: 0.41
NON-RES CR: 4.2E-07
NON-RES HI: 0.032
Methane by Volume: 6.47%
H2S: 20

LFG-9 6/13/2025
RES CR: 4.0E-05
RES HI: 0.74
NON-RES CR: 2.9E-06
NON-RES HI: 0.059
Methane by Volume: ND
H2S: ND

LFG-10 6/13/2025
RES CR: 1.3E-05
RES HI: 1.8
NON-RES CR: 9.7E-07
NON-RES HI: 1.4
Methane by Volume: 29.6%
H2S: 1200

LFG-11 6/12/2025
RES CR: 4.4E-06
RES HI: 0.13
NON-RES CR: 3.3E-07
NON-RES HI: 0.01
Methane by Volume: ND
H2S: ND

LFG-12 6/13/2025
RES CR: 1.5E-05
RES HI: 2.0
NON-RES CR: 1.1E-06
NON-RES HI: 0.16
Methane by Volume: 0.55%
H2S: 120

NOTES:
LFG PROBES WERE SAMPLED ON JUNE 12-13, 2025.
SAMPLING LOCATIONS THAT EXCEEDED THE RESPECTIVE SOIL GAS TO INDOOR AIR USE AND/OR THE LOWER EXPLOSIVE LIMIT (LEL) FOR METHANE (5%) ARE SHOWN IN RED.
BACKGROUND LEVELS HAVE NOT YET BEEN DETERMINED.
H2S: HYDROGEN SULFIDE
HYDROGEN SULFIDE CONCENTRATIONS ARE PRESENTED IN MICROGRAMS PER CUBIC METER.
ND: NOT DETECTED ABOVE LABORATORY LIMITS.
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 WORLD HILLSHADE: SOURCES: ESRI, MAXAR, AIRBUS DS, USGS, NGA, NASA, CGIAR, N ROBINSON, NCEAS, NLS, OS, NMA, GEODATASTYRELSEN, RIJKSWATERSTAAT, GSA, GEOLAND, FEMA, INTERMAP, AND THE GIS USER COMMUNITY

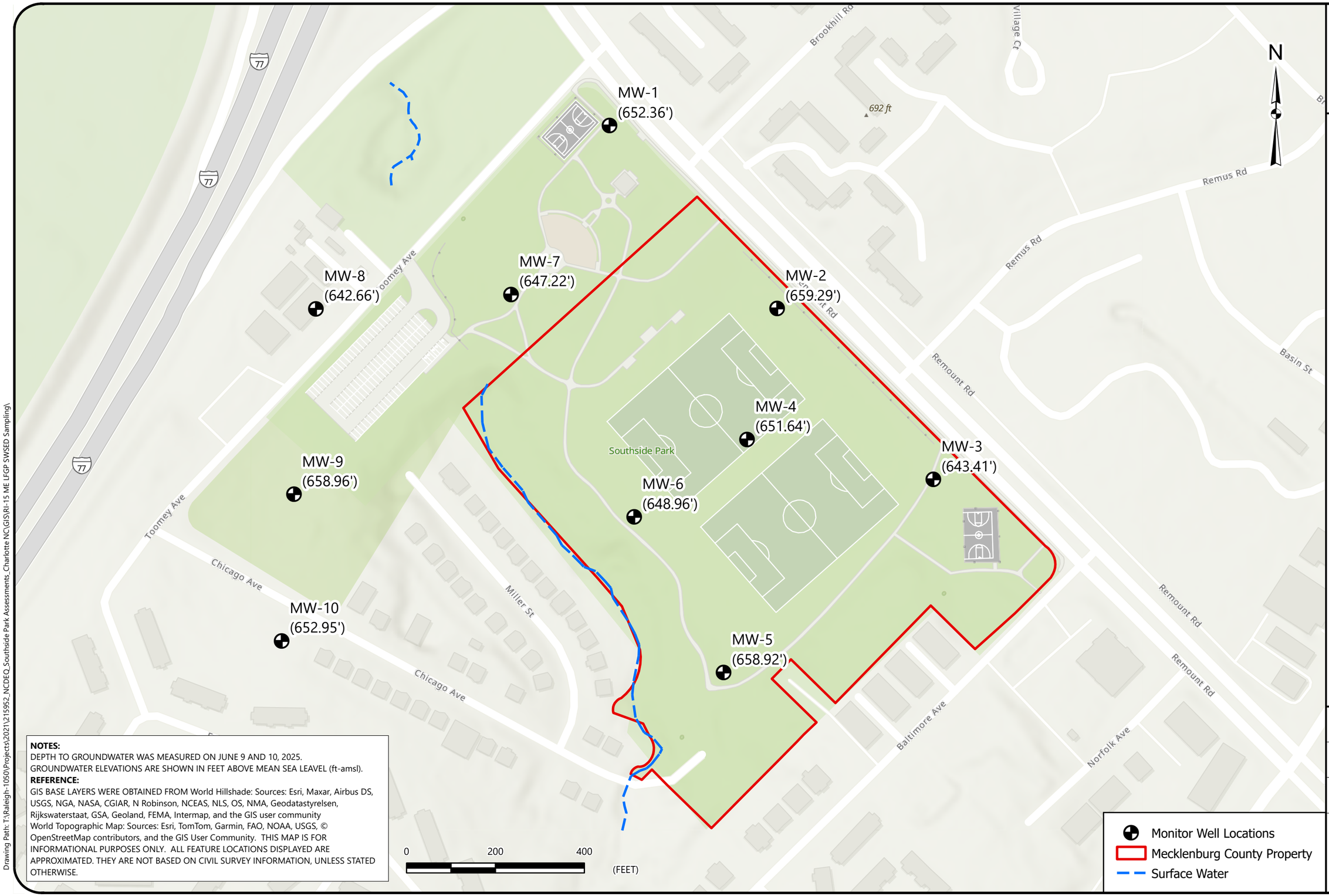
0 255 510 (FEET)

725 ft

- Landfill Gas Probe Locations
- Mecklenburg County Property
- City of Charlotte Property
- Mecklenburg County Parcels

SCALE: 1": 255'
DATE: 10/28/2025
PROJECT NUMBER 215952
FIGURE NO. 3

Drawing Path: T:\Raleigh-1050\Projects\2021\215952_NCDEQ_Southside Park Assessments_Charlotte NC\GIS\RI-15 ME LFGP SWSED Sampling\



NOTES:
DEPTH TO GROUNDWATER WAS MEASURED ON JUNE 9 AND 10, 2025.
GROUNDWATER ELEVATIONS ARE SHOWN IN FEET ABOVE MEAN SEA LEAVEL (ft-amsl).

REFERENCE:
GIS BASE LAYERS WERE OBTAINED FROM World Hillshade: Sources: Esri, Maxar, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap, and the GIS user community
World Topographic Map: Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community. 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 ELEVATION MAP

SOUTHSIDE PARK LANDFILL
NCDEQ ID NO. NONCD0000870 TASK ORDER 870-RI-15
REMOUNT ROAD, CHARLOTTE, MECKLENBURG COUNTY NC

SCALE:
1": 200'

DATE:
10/8/2025

PROJECT NUMBER
215952

FIGURE NO.
4

Drawing Path: T:\Raleigh-1050\Projects\2021\215952_NCDEQ_Southside Park Assessments_Charlotte NC\GIS\RI-15 ME LFGP SWSED Sampling\

GROUNDWATER SAMPLE ANALYTICAL RESULTS

SOUTHSIDE PARK LANDFILL
NCDEQ ID NO. NONCD0000870 TASK ORDER 870-RI-15
REMOUNT ROAD, CHARLOTTE, MECKLENBURG COUNTY NC

MW-1	ug/L
Cobalt:	7.17
Manganese:	1410
Vanadium:	11.5

MW-2	ug/L
Cobalt:	18.0
Manganese:	3530
Vanadium:	32.6

MW-3	ug/L
Antimony:	1.12 J
Chromium, Total:	21.5
Cobalt:	4.61
Manganese:	778
Tetrachloroethene:	1.12
Vanadium:	15.7

MW-4	ug/L
1,4-Dioxane:	12.0
Cobalt:	16.5
Lead:	27.2
Manganese:	1290
Vanadium:	15.8

MW-5	ug/L
Chromium, Total:	10.3
Cobalt:	16.5
Lead:	29.3
Manganese:	2410
Vanadium:	58.1

MW-6 (DUP-692025)	ug/L
Di(2-ethylhexyl)phthalate:	5.69 J
Barium:	823
Cobalt:	11.4
Lead:	82.4
Manganese:	504
Vanadium:	29.8
Zinc:	1540

MW-7	ug/L
2,4-Dinitrotoluene:	1.48 J
Naphthalene:	47.7
Chromium, Total:	10.7
Cobalt:	4.89
Lead:	28.0
Manganese:	739
Vanadium:	17.8
Nitrate as (N):	16,900 H H3

MW-8	ug/L
Cobalt:	2.84
Manganese:	458
Vanadium:	7.57 J

MW-9	ug/L
Chromium, Total:	103
Cobalt:	114
Lead:	85.1
Manganese:	7710
Nickel:	106
Vanadium:	102

MW-10 (DUP-6102025)	ug/L
Cobalt:	1.51
Manganese:	137
Vanadium:	10.4

NOTES:
GROUNDWATER SAMPLING WAS CONDUCTED ON JUNE 9 AND 10, 2025. ANALYTES DETECTED AT CONCENTRATIONS EXCEEDING 15A NCAC 2L GROUNDWATER STANDARDS ARE SHOWN. DUPLICATE SAMPLES WERE COLLECTED FROM MW-6 (DUP-692025) AND MW-10 (DUP-6102025). THE GREATER DETECTED CONCENTRATION BETWEEN THE TWO IS SHOWN, RESPECTIVELY.
µg/L: MICROGRAMS PER LITER
J: THE REPORTED RESULT IS AN ESTIMATED VALUE.
H: SAMPLE WAS PREPPED OR ANALYZED BEYOND THE SPECIFIED HOLDING TIME.
H3: SAMPLES WERE RECEIVED AND ANALYZED PAST HOLDING TIME.

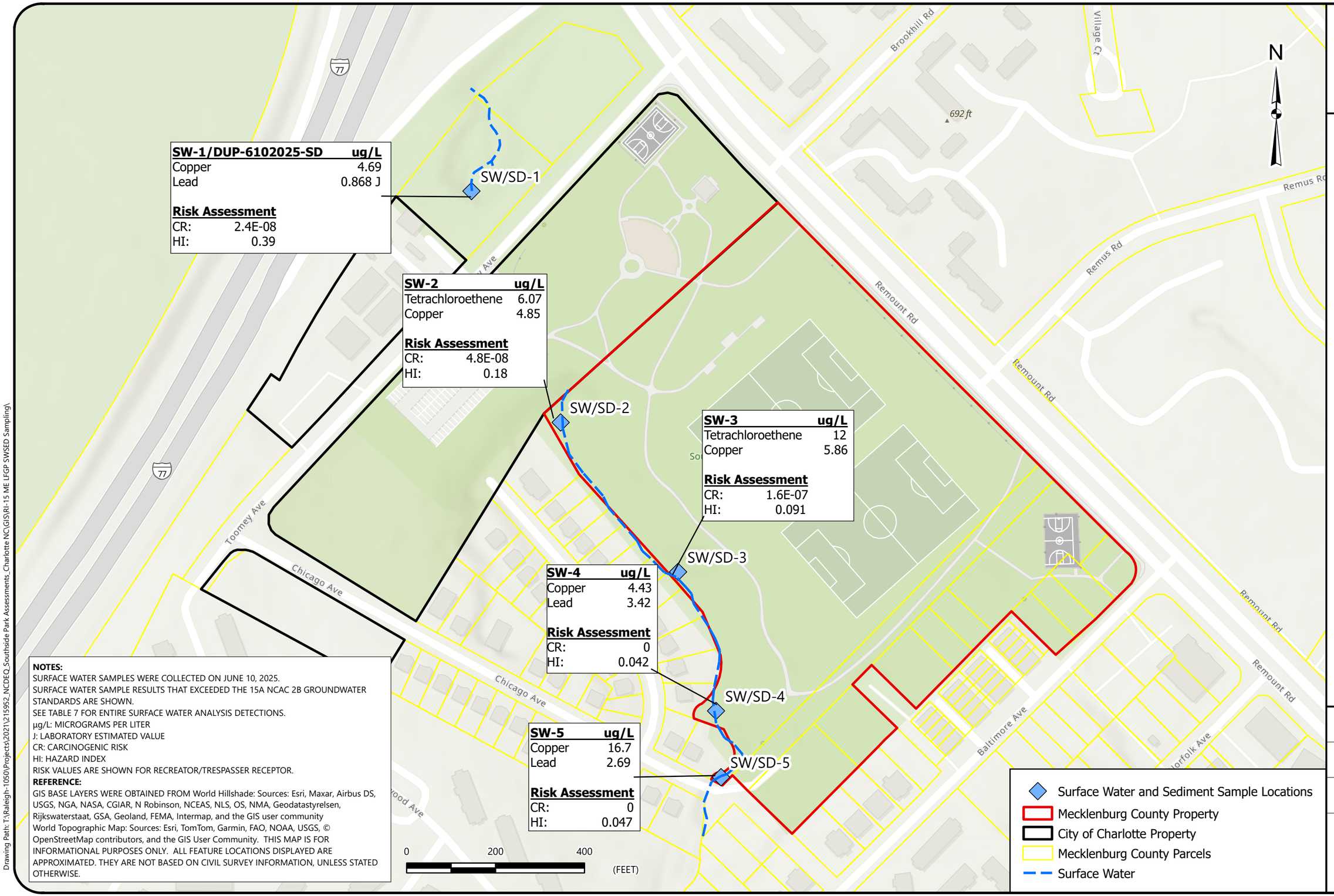
REFERENCE:
GIS BASE LAYERS WERE OBTAINED FROM World Hillshade: Sources: Esri, Maxar, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap, and the GIS user community
World Topographic Map: Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community. THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. ALL FEATURE LOCATIONS DISPLAYED ARE APPROXIMATED. THEY ARE NOT BASED ON CIVIL SURVEY INFORMATION, UNLESS STATED OTHERWISE.

Monitor Well Locations
Mecklenburg County Property
City of Charlotte Property
Mecklenburg County Parcels
Surface Water

0 210 420 (FEET)

SCALE: 1": 210'
DATE: 10/15/2025
PROJECT NUMBER 215952
FIGURE NO. 5

Drawing Path: T:\Raleigh-1050\Projects\2021\215952_NCDEQ_Southside Park Assessments_Charlotte NC\GIS\RI-15 ME LFGP SWSED Sampling\



NOTES:
SURFACE WATER SAMPLES WERE COLLECTED ON JUNE 10, 2025.
SURFACE WATER SAMPLE RESULTS THAT EXCEEDED THE 15A NCAC 2B GROUNDWATER STANDARDS ARE SHOWN.
SEE TABLE 7 FOR ENTIRE SURFACE WATER ANALYSIS DETECTIONS.
µg/L: MICROGRAMS PER LITER
J: LABORATORY ESTIMATED VALUE
CR: CARCINOGENIC RISK
HI: HAZARD INDEX
RISK VALUES ARE SHOWN FOR RECREATOR/TRESPASSER RECEPTOR.

REFERENCE:
GIS BASE LAYERS WERE OBTAINED FROM World Hillshade: Sources: Esri, Maxar, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap, and the GIS user community
World Topographic Map: Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community. 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 ASSESSMENT

SOUTHSIDE PARK LANDFILL
NCDEQ ID NO. NONCD0000870 TASK ORDER 870-RI-15
REMOUNT ROAD, CHARLOTTE, MECKLENBURG COUNTY NC

SCALE: 1": 200'
DATE: 10/28/2025
PROJECT NUMBER 215952
FIGURE NO. 6

Drawing Path: T:\Raleigh-1050\Projects\2021\215952_NCDEQ_Southside Park Assessments_Charlotte NC\GIS\RI-15 ME LFGP SWSED Sampling\

STREAM SEDIMENT ASSESSMENT

SOUTHSIDE PARK LANDFILL
NCDEQ ID NO. NONCD0000870 TASK ORDER 870-RI-15
REMOUNT ROAD, CHARLOTTE, MECKLENBURG COUNTY NC

SCALE:
1": 200'

DATE:
10/28/2025

PROJECT NUMBER
215952

FIGURE NO.
7

N

SD-1/DUP-6102025-SD	mg/kg
Benzo(a)anthracene	1.70 J
Benzo(a)pyrene	0.868 J
Benzo(b)fluoranthene	3.04
Arsenic	1.15
Cobalt	7.72
Manganese	280
Hexavalent Chromium	2.56

Risk Assessment

CR:	2.5E-05
HI:	0.95

SD-2	mg/kg
Arsenic	1.91
Cobalt	8.80
Manganese	425

Risk Assessment

CR:	3.8E-06
HI:	0.82

SD-3	mg/kg
Arsenic	1.02
Cobalt	10.6
Manganese	259

Risk Assessment

CR:	1.5E-06
HI:	0.72

SD-4	mg/kg
Arsenic	0.926
Cobalt	11.7
Manganese	475
Vanadium	39.9
Hexavalent Chromium	1.64

Risk Assessment

CR:	3.1E-06
HI:	0.94

SD-5	mg/kg
Arsenic	1.40
Cobalt	23.7
Manganese	559
Vanadium	93.0
Hexavalent Chromium	1.15

Risk Assessment

RES CR:	3.3E-06
RES HI:	1.7

SW/SD-1
SW/SD-2
SW/SD-3
SW/SD-4
SW/SD-5

Toomey Ave
Chicago Ave
Brookhill Rd
Village Cr
Remus Rd
Remount Rd
Baltimore Ave
Norfolk Ave
Southside Park
692 ft

0 200 400 (FEET)

NOTES:
STREAM SEDIMENT SAMPLES WERE COLLECTED ON JUNE 10, 2025.
STREAM SEDIMENT SAMPLE RESULTS THAT EXCEEDED THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (USEPA) RESIDENT SOIL SCREENING LEVELS ARE SHOWN.
SEE TABLE 8 FOR ENTIRE STREAM SEDIMENT ANALYSIS DETECTIONS.
mg/kg: MILLIGRAM PER KILOGRAM
J: LABORATORY ESTIMATED VALUE
RISK VALUES ARE SHOWN FOR RESIDENTIAL RECEPTOR.

REFERENCE:
GIS BASE LAYERS WERE OBTAINED FROM World Hillshade: Sources: Esri, Maxar, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap, and the GIS user community
World Topographic Map: Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community. 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 and Sediment Sample Locations
- Mecklenburg County Property
- City of Charlotte Property
- Mecklenburg County Parcels
- Surface Water

Drawing Path: T:\Raleigh-1050\Projects\2021\215952_NCDEQ_Southside Park Assessments_Charlotte NC\GIS\RI-15 ME LFGP SWSED Sampling\

Appendices

Appendix I- Coordinates of Selected Features

APPENDIX I
Coordinates of Selected Features
Southside Park Landfill (NONCD0000807)
265 Toomey Ave., Charlotte, Mecklenburg County, North Carolina
S&ME Project No. 215952 Task Order 807RI-15

Site Feature	Type	Location			
		Latitude	Longitude	Northing	Easting
LFGP-1	Landfill Gas Probe	35.2077695	-80.8755297	3,896,091.403	511,329.339
LFGP-2	Landfill Gas Probe	35.2079749	-80.874626	3,896,114.285	511,411.566
LFGP-3	Landfill Gas Probe	35.2069095	-80.8757914	3,895,995.999	511,305.638
LFGP-4	Landfill Gas Probe	35.2062729	-80.8761105	3,895,925.363	511,276.681
LFGP-5	Landfill Gas Probe	35.2084024	-80.8738000	3,896,161.790	511,486.688
LFGP-6	Landfill Gas Probe	35.2075201	-80.8738191	3,896,063.940	511,485.074
LFGP-7	Landfill Gas Probe	35.2080742	-80.8730881	3,896,125.475	511,551.531
LFGP-8	Landfill Gas Probe	35.2076559	-80.8723275	3,896,079.174	511,620.821
LFGP-9	Landfill Gas Probe	35.2069215	-80.8716927	3,895,997.803	511,678.706
LFGP-10	Landfill Gas Probe	35.2071574	-80.8727070	3,896,023.846	511,586.349
LFGP-11	Landfill Gas Probe	35.2067063	-80.8734008	3,895,973.738	511,523.263
LFGP-12	Landfill Gas Probe	35.2063212	-80.8725653	3,895,931.128	511,599.366
MW-1	Monitor Well	35.2087782	-80.8736441	3,896,203.484	511,500.825
MW-2	Monitor Well	35.2078570	-80.8726116	3,896,101.443	511,594.933
MW-3	Monitor Well	35.2069982	-80.8716502	3,896,006.314	511,682.563
MW-4	Monitor Well	35.2071988	-80.8727974	3,896,028.427	511,578.115
MW-5	Monitor Well	35.2060254	-80.8729418	3,895,898.280	511,565.138
MW-6	Monitor Well	35.2068089	-80.8734925	3,895,985.106	511,514.902
MW-7	Monitor Well	35.2079289	-80.8742506	3,896,109.227	511,445.741
MW-8	Monitor Well	35.2078560	-80.8754523	3,896,101.004	511,336.372
MW-9	Monitor Well	35.2069222	-80.8755880	3,895,997.430	511,324.150
MW-10	Monitor Well	35.2061853	-80.8756642	3,895,915.699	511,317.317
SW-1/SD-1	Surface Water Sediment	35.2083690	-80.8750275	3896157.9440	511374.966
SW-2/SD-2	Surface Water Sediment	35.2073126	-80.8744424	3896040.857	511428.37
SW-3/SD-3	Surface Water Sediment	35.2065606	-80.8737193	3895957.543	511494.293
SW-4/SD-4	Surface Water Sediment	35.2058611	-80.8734857	3895879.996	511515.654
SW-5/SD-5	Surface Water Sediment	35.2055275	-80.8734547	3895843.003	511518.523

Notes:

Site feature locations are reported in decimal degrees for Lattitude/Longitude and in feet in the North Carolina State Plane Coordinate System (NAD83). Northing and Easting coordinates are for UTM/USNG Zone 17.

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. 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: 5/19 - 5/21/2025 **Well ID#** LFG - 1

5a. Well Location:

Southside Park Landfill
Facility/Owner Name

Facility ID# (if applicable)

2645 Toomey Ave. Charlotte, NC
Physical Address, City, and Zip

Mecklenburg
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 @ 9.3 (ft.)
For multiple wells list all depths if different (example- 3@200' and 2@100')

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

11. Borehole diameter: 6 (in.)

12. Well construction method: HSA
(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
4.3 ft.	0 ft.	1 in.	sch. 40	PVC
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
9.3 ft.	4.3 ft.	1 in.	0.01	sch. 40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
3.3 ft.	2.3 ft.	Bentonite	pour
2.3 ft.	0 ft.	Grout	pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
9.3 ft.	3.3 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:

_____ 6/5/25
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

Well Contractor Certification Number

Environmental Drilling & Probing Services, LLC.

Company Name

2. Well Construction Permit #: _____

If applicable, well construction permit # (i.e. County, State, Variance, etc.)

3. Well Use (check well use):

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

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

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

4. Date Well(s) Completed: 5/19 - 5/21/2025 Well ID# LFG-2

5a. Well Location:

Southside Park Landfill

Facility Owner Name

Facility ID# (if applicable)

2645 Toomey Ave. Charlotte, NC

Physical Address, City, and Zip

Mecklenburg

County

Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:
(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 @ 13 (ft.)
For multiple wells list all depths if different (example: 3 @ 200' and 2 @ 100').

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

11. Borehole diameter: 6 (in.)

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

FOR WATER SUPPLY WELLS ONLY:

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

13b. Disinfection type: _____ Amount: _____

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
8 ft.	0 ft.	1 in.	sch.40	PVC
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
13 ft.	8 ft.	1 in.	0.01	sch.40	PVC
ft.	ft.	in.			

18. GROUT

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

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
13 ft.	6 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:

Signature of Certified Well Contractor

6/5/25
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
Well Contractor Certification Number

Environmental Drilling & Probing Services, LLC.
Company Name

2. Well Construction Permit #: _____
If applicable, well construction permit # (i.e. "FR" County, State Variance, etc.)

3. Well Use (check well use):

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

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

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

4. Date Well(s) Completed: 5/19 - 5/21/2025 Well ID# LFG-3

5a. Well Location:

Southside Park Landfill
Facility Owner Name

Facility ID# (if applicable)

2645 Toomey Ave. Charlotte, NC
Physical Address, City, and Zip

Mecklenburg
County

Parcel Identification No. (PIN)

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

_____ N _____ W

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

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

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

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

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

11. Borehole diameter: 6 (in.)

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

FOR WATER SUPPLY WELLS ONLY:

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

13b. Disinfection type: _____ Amount: _____

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

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

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		

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

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

17. SCREEN

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

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
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
9 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.	
ft.	ft.	

21. REMARKS

22. Certification:

_____ 6/5/25
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 .0400 or 15A NCAC 02O .0300 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

Well Contractor Certification Number

Environmental Drilling & Probing Services, LLC.

Company Name

2. Well Construction Permit #: _____

If applicable, well construction permits are: City, County, State Variance, etc.

3. Well Use (check well use):

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

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

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

4. Date Well(s) Completed: 5/19 - 5/21/2025 Well ID# LFG-4

5a. Well Location:

Southside Park Landfill

Facility Owner Name / Facility ID# (if applicable)

2645 Toomey Ave. Charlotte, NC

Physical Address, City, and Zip

Mecklenburg

County / Parcel Identification No. (PIN)

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

_____ N _____ W

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

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

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

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

9. Total well depth below land surface: 1 @ 15 (ft.)

For multiple wells list all depths if different (example: 3 @ 200' and 2 @ 100').

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

If water level is above casing, use "+".

11. Borehole diameter: 6 (in.)

12. Well construction method: HSA

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

FOR WATER SUPPLY WELLS ONLY:

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

13b. Disinfection type: _____ Amount: _____

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

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

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		

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

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

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
15 ft.	10 ft.	1 in.	0.01	sch.40	PVC
ft.	ft.	in.			

18. GROUT

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

19. SAND/GRAVEL PACK (if applicable)

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

20. DRILLING LOG (attach additional sheets if necessary)

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

21. REMARKS

22. Certification:

Signature of Certified Well Contractor — Date: 6/5/25

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

23. Site diagram or additional well details:

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

SUBMITTAL INSTRUCTIONS

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

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

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

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

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

Print Form

WELL CONSTRUCTION RECORD (GW-1)

For Internal Use Only:

1. Well Contractor Information:

T. Bolyard
Well Contractor Name

3307
Well Contractor Certification Number

Environmental Drilling & Probing Services, LLC.
Company Name

2. Well Construction Permit #: _____
(If applicable, well construction permits are issued by County, State, Variance, etc.)

3. Well Use (check well use):

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

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

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

4. Date Well(s) Completed: 5/19 - 5/21/2025 Well ID# LFG-5

5a. Well Location:

Southside Park Landfill
Facility Owner Name

Facility ID# (if applicable)

2645 Toomey Ave. Charlotte, NC
Physical Address, City, and Zip

Mecklenburg
County

Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:
(1 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 yes, provide all 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 @ 14.4 (ft.)
(For multiple wells list all. Depths if different (example: 3 @ 200' and 2 @ 100'))

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

11. Borehole diameter: 6 (in.)

12. Well construction method: HSA
(i.e. hand 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
9.4 ft.	0 ft.	1 in.	sch.40	PVC
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
14.4 ft.	9.4 ft.	1 in.	0.01	sch.40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
7.4 ft.	5.4 ft.	Bentonite	pour
5.4 ft.	0 ft.	Grout	pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
14.4 ft.	7.4 ft.	#2 med	pour
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

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

21. REMARKS

22. Certification:

Signature of Certified Well Contractor — Date: 6/5/25

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

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

SUBMITTAL INSTRUCTIONS

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

Division of Water Resources, Information Processing Unit,
161" Mail Service Center, Raleigh, NC 27699-161"

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
Well Contractor Certification Number

Environmental Drilling & Probing Services, LLC.
Company Name

2. Well Construction Permit #: _____
(if applicable well construction permit # e.g. City, County, State, Variance, etc.)

3. Well Use (check well use):

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

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

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

4. Date Well(s) Completed: 5/19 - 5/21/2025 Well ID# LFG-6

5a. Well Location:

Southside Park Landfill
Facility Owner Name

Facility ID# (if applicable)

2645 Toomey Ave. Charlotte, NC
Physical Address, City, and Zip

Mecklenburg
County

Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:
(at 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 for this project:
ONE

9. Total well depth below land surface: 1 @ 10 (ft.)
(For multiple wells, list all depths if different (example: 3 @ 200' and 2 @ 100'))

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

11. Borehole diameter: 6 (in.)

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

FOR WATER SUPPLY WELLS ONLY:

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

13b. Disinfection type: _____ Amount: _____

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

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

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		

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

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

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
10 ft.	5 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
10 ft.	4 ft.	#2 med	pour
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

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

21. REMARKS

22. Certification:

Signature of Certified Well Contractor

6/5/25
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. Bohard

a. Contractor Name

3307

b. Well Contractor Certification Number

Environmental Drilling & Probing Services, LLC.

Company Name

2. Well Construction Permit #: _____

If applicable, well construction permit # (e.g. County, State, Variance, etc.)

3. Well Use (check well use):

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

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

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

4. Date Well(s) Completed: 5/19 - 5/21/2025 Well ID# LFG-7

5a. Well Location:

Southside Park Landfill

Facility/Owner Name — Facility ID# (if applicable)

2645 Toomey Ave. Charlotte, NC

Physical Address, City, and Zip

Mecklenburg

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 @ 15 (ft.)

For multiple wells list all depths if different (example: 3 @ 200' and 2 @ 100')

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

If water level is above casing, use "+"

11. Borehole diameter: 6 (in.)

12. Well construction method: HSA

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

FOR WATER SUPPLY WELLS ONLY:

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

13b. Disinfection type: _____ Amount: _____

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

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

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		

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

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

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
15 ft.	10 ft.	1 in.	0.01	sch. 40	PVC
ft.	ft.	in.			

18. GROUT

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

19. SAND/GRAVEL PACK (if applicable)

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

20. DRILLING LOG (attach additional sheets if necessary)

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

21. REMARKS

22. Certification:

Signature of Certified Well Contractor — Date: 6/5/25

By signing this form I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0200 or 15A NCAC 02C .0300 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
Well Contractor Certification Number
Environmental Drilling & Probing Services, LLC.
Company Name

2. Well Construction Permit #: _____
If applicable, well construction permit # (i.e. City, County, State, Variance, etc.)

3. Well Use (check well use):

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

4. Date Well(s) Completed: 5/19 - 5/21/2025 Well ID# LFG-8

5a. Well Location:
Southside Park Landfill
Facility Owner Name
Facility ID# (if applicable)
2645 Toomey Ave. Charlotte, NC
Physical Address, City, and Zip
Mecklenburg
County
Parcel Identification No. (PIN)

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

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

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

8. For Geoprobe/DPT or Closed-Loop Geothermal Wells having the same construction, only 1 GW-1 is needed. Indicate TOTAL NUMBER of wells in this group: 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: 6 (in.)

12. Well construction method: HSA
(i.e. hand 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
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
11 ft.	4 ft.	#2 med	pour
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

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

21. REMARKS

22. Certification:
Signature of Certified Well Contractor
6/5/25
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

Well Contractor Certification Number

Environmental Drilling & Probing Services, LLC.

Company Name

2. Well Construction Permit #: _____

If applicable, well construction permit # (e.g. County, State, Variance, etc.)

3. Well Use (check well use):

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

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

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

4. Date Well(s) Completed: 5/19 - 5/21/2025 Well ID# LFG-9

5a. Well Location:

Southside Park Landfill

Facility Owner Name

Facility ID# (if applicable)

2645 Toomey Ave. Charlotte, NC

Physical Address, City, and Zip

Mecklenburg

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 in this: ONE

9. Total well depth below land surface: 1 @ 12 (ft.)
For multiple wells list all depths if different (example: 3 @ 200' and 2 @ 100')

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

11. Borehole diameter: 6 (in.)

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

FOR WATER SUPPLY WELLS ONLY:

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

13b. Disinfection type: _____ Amount: _____

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

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

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		

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

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

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
12 ft.	7 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
12 ft.	5 ft.	#2 med	pour
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

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

21. REMARKS

22. Certification:

Signature of Certified Well Contractor — Date: 6/5/25

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0400 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
Well Contractor Certification Number

Environmental Drilling & Probing Services, LLC.
Company Name

2. Well Construction Permit #: _____
If applicable, well construction permit # (e.g. County, State, Variance, etc.)

3. Well Use (check well use):

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

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

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

4. Date Well(s) Completed: 5/19 - 5/21/2025 Well ID# LFG-10

5a. Well Location:

Southside Park Landfill
Facility Owner Name

Facility ID# (if applicable)

2645 Toomey Ave. Charlotte, NC
Physical Address, City, and Zip

Mecklenburg
County

Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:
(1 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 @ 14.4 (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: 6 (in.)

12. Well construction method: HSA
(i.e. hand 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
9.4 ft.	0 ft.	1 in.	Sch. 40	PVC
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
14.4 ft.	9.4 ft.	1 in.	0.01	Sch. 40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
7.4 ft.	5.4 ft.	Bentonite	pour
5.4 ft.	0 ft.	Grout	pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
14.4 ft.	7.4 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:

_____ 6/5/25
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 .0400 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

3. Well Contractor Name

3307

4. Well Contractor Certification Number

Environmental Drilling & Probing Services, LLC.

Company Name

2. Well Construction Permit #: _____

(if applicable, well construction permit, i.e. "T" for County, State Variance, etc.)

3. Well Use (check well use):

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

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

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

4. Date Well(s) Completed: 5/19 - 5/21/2025 Well ID# LFG-11

5a. Well Location:

Southside Park Landfill

Facility Owner Name

Facility ID# (if applicable)

2645 Toomey Ave. Charlotte, NC

Physical Address, City, and Zip

Mecklenburg

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 filled: ONE

9. Total well depth below land surface: 1 @ 8 (ft.)

(For multiple wells, list all depths if different (example: 3 @ 200' and 2 @ 100'))

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

(Water level is above casing, use "+")

11. Borehole diameter: 6 (in.)

12. Well construction method: HSA

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

FOR WATER SUPPLY WELLS ONLY:

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

13b. Disinfection type: _____ Amount: _____

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
8 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
8 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.	
ft.	ft.	

21. REMARKS

22. Certification:

Signature of Certified Well Contractor — Date: 6/5/25

By signing this form I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02T .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
Well Contractor Certification Number

Environmental Drilling & Probing Services, LLC.
Company Name

2. Well Construction Permit #: _____
(If applicable, well construction permits are issued by County, State, Variance, etc.)

3. Well Use (check well use):

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

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

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

4. Date Well(s) Completed: 5/19 - 5/21/2025 Well ID# LFG - 12

5a. Well Location:

Southside Park Landfill
Facility Owner Name

Facility ID# (if applicable)

2645 Toomey Ave. Charlotte, NC
Physical Address, City, and Zip

Mecklenburg
County

Parcel Identification No. (PIN)

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

_____ N _____ W

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

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

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

9. Total well depth below land surface: 1 @ 15 (ft.)
(For multiple wells list all depths if different (example: 3 @ 200' and 2 @ 100'))

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

11. Borehole diameter: 6 (in.)

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

FOR WATER SUPPLY WELLS ONLY:

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

13b. Disinfection type: _____ Amount: _____

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

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

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		

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

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

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
15 ft.	10 ft.	1 in.	0.01	sch. 40	PVC
ft.	ft.	in.			

18. GROUT

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

19. SAND/GRAVEL PACK (if applicable)

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

20. DRILLING LOG (attach additional sheets if necessary)

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

21. REMARKS

22. Certification:

Signature of Certified Well Contractor — Date: 6/5/25

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

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

SUBMITTAL INSTRUCTIONS

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

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

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

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

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

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: 5/19 - 5/27/2025 **Well ID#** MW-1

5a. Well Location:

Southside Park Landfill
Facility/Owner Name

Facility ID# (if applicable)

2645 Toomey Ave. Charlotte, NC
Physical Address, City, and Zip

Mecklenburg
County

Parcel Identification No. (PIN)

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

_____ N _____ W

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

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

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

9. Total well depth below land surface: 1@33 **(ft.)**
For multiple wells list all depths if different (example- 3@200' and 2@100')

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

11. Borehole diameter: 8 **(in.)**

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

FOR WATER SUPPLY WELLS ONLY:

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

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

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

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

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		

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

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

17. SCREEN

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

18. GROUT

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

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
33 ft.	21 ft.	#2 med.	pour
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

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

21. REMARKS

22. Certification:

_____ 6/5/25
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. USC, County, State, Variance, etc.)

3. Well Use (check well use):

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

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

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

4. Date Well(s) Completed: 5/19 - 5/27/2025 Well ID# MW-2

5a. Well Location:

Southside Park Landfill
Facility/Owner Name

Facility ID# (if applicable)

2645 Toomey Ave. Charlotte, NC
Physical Address, City, and Zip

Mecklenburg
County

Parcel Identification No. (PIN)

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

_____ N _____ W

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

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

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

9. Total well depth below land surface: 1@ 32.8 (ft.)
For multiple wells list all depths if different (example- 3@200' and 2@100')

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

11. Borehole diameter: 8 (in.)

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

FOR WATER SUPPLY WELLS ONLY:

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

13b. Disinfection type: _____ Amount: _____

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

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
32.8 ft.	22.8 ft.	2 in.	0.01	Sch.40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
20 ft.	18.8 ft.	Bentonite	pour
18.8 ft.	0 ft.	Grout	pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
32.8 ft.	20.8 ft.	# 2 med.	pour
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

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

21. REMARKS

22. Certification:

_____ 6/5/25
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: 5/19 - 5/27/2025 Well ID# MW-3

5a. Well Location:

Southside Park Landfill
Facility/Owner Name

Facility ID# (if applicable)

2645 Toomey Ave. Charlotte, NC
Physical Address, City, and Zip

Mecklenburg
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@67 (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
57 ft.	0 ft.	2 in.	Sch.40	PVC
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
67 ft.	57 ft.	2 in.	0.01	Sch.40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
55 ft.	53 ft.	Bentonite	pour
53 ft.	0 ft.	Grout	pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
67 ft.	55 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:

_____ 6/5/25
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. USC, County, State, Variance, etc.)

3. Well Use (check well use):

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

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

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

4. Date Well(s) Completed: 5/19 - 5/27/2025 Well ID# MW-4

5a. Well Location:

Southside Park Landfill
Facility/Owner Name

Facility ID# (if applicable)

2645 Toomey Ave. Charlotte, NC
Physical Address, City, and Zip

Mecklenburg
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@ 24 (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: 8 (in.)

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

FOR WATER SUPPLY WELLS ONLY:

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

13b. Disinfection type: _____ Amount: _____

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

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
24 ft.	14 ft.	2 in.	0.01	Sch.40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
12 ft.	10 ft.	Bentonite	pour
10 ft.	0 ft.	Grout	pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
24 ft.	12 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:

_____ 6/5/25
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: 5/19 - 5/27/2025 **Well ID#** MW-5

5a. Well Location:

Southside Park Landfill
Facility/Owner Name

Facility ID# (if applicable)

2645 Toomey Ave. Charlotte, NC
Physical Address, City, and Zip

Mecklenburg
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@18 (ft.)
For multiple wells list all depths if different (example: 3@200' and 2@100')

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

11. Borehole diameter: 8 (in.)

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

FOR WATER SUPPLY WELLS ONLY:

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

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

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

17. SCREEN

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

18. GROUT

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

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
18 ft.	6 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:

_____ 6/5/25
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: 5/19 - 5/27/2025 Well ID# MW-6

5a. Well Location:

Southside Park Landfill
Facility/Owner Name

Facility ID# (if applicable)

2645 Toomey Ave. Charlotte, NC
Physical Address, City, and Zip

Mecklenburg
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@19 (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: 8 (in.)

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

FOR WATER SUPPLY WELLS ONLY:

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

13b. Disinfection type: _____ Amount: _____

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

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
19 ft.	9 ft.	2 in.	0.01	Sch.40	PVC
ft.	ft.	in.			

18. GROUT

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

19. SAND/GRAVEL PACK (if applicable)

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

20. DRILLING LOG (attach additional sheets if necessary)

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

21. REMARKS

22. Certification:

_____ 6/5/25
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
Well Contractor Certification Number

Environmental Drilling + Probing Services, LLC.
Company Name

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

3. Well Use (check well use):

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

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

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

4. Date Well(s) Completed: 5/19 - 5/27/2025 **Well ID#** MW-7

5a. Well Location:

Southside Park Landfill
Facility/Owner Name

Facility ID# (if applicable)

2645 Toomey Ave. Charlotte, NC
Physical Address, City, and Zip

Mecklenburg
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@ 38.3 (ft.)
For multiple wells list all depths if different (example- 3@200' and 2@100')

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

11. Borehole diameter: 8 (in.)

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

FOR WATER SUPPLY WELLS ONLY:

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

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

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

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

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		

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

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

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
38.3 ft.	28.3 ft.	2 in.	0.01	Sch.40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
26.3 ft.	24.3 ft.	Bentonite	pour
24.3 ft.	0 ft.	Grout	pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
38.3 ft.	26.3 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:

_____ 6/5/25
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: 5/19 - 5/27/2025 Well ID# MW-8

5a. Well Location:

Southside Park Landfill
Facility/Owner Name

Facility ID# (if applicable)

2645 Toomey Ave. Charlotte, NC
Physical Address, City, and Zip

Mecklenburg
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: @ 42.4 (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: 8 (in.)

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

FOR WATER SUPPLY WELLS ONLY:

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

13b. Disinfection type: _____ Amount: _____

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

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
42.4 ft.	32.4 ft.	2 in.	0.01	Sch.40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
30.4 ft.	28.4 ft.	Bentonite	pour
28.4 ft.	0 ft.	Grout	pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
42.4 ft.	30.4 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:

_____ 6/5/25
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: 5/19 - 5/27/2025 Well ID# MW-9

5a. Well Location:

Southside Park Landfill
Facility/Owner Name

Facility ID# (if applicable)

2645 Toomey Ave. Charlotte, NC
Physical Address, City, and Zip

Mecklenburg
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: @ 23.5 (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: 8 (in.)

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

FOR WATER SUPPLY WELLS ONLY:

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

13b. Disinfection type: _____ Amount: _____

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

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
23.5 ft.	13.5 ft.	2 in.	0.01	Sch.40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
11.5 ft.	9.5 ft.	Bentonite	pour
9.5 ft.	0 ft.	Grout	pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
23.5 ft.	11.5 ft.	# 2 med.	pour
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

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

21. REMARKS

22. Certification:

Signature of Certified Well Contractor — Date: 6/5/25

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

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

SUBMITTAL INSTRUCTIONS

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

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

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

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

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

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: 5/19 - 5/27/2025 **Well ID#** MW-10

5a. Well Location:

Southside Park Landfill
Facility/Owner Name

Facility ID# (if applicable)

2645 Toomey Ave. Charlotte, NC
Physical Address, City, and Zip

Mecklenburg
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: @ 67 (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
57 ft.	0 ft.	2 in.	Sch.40	PVC
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
67 ft.	57 ft.	2 in.	0.01	Sch.40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
55 ft.	53 ft.	Bentonite	pour
53 ft.	0 ft.	Grout	pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
67 ft.	55 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:

_____ 6/5/25
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.

Mecklenburg County Health Department
Groundwater & Wastewater Services
3205 Freedom Dr.
Charlotte, NC 28208
Phone: (980)314-1680
Fax: (704) 336-6894
http://groundwater.charmeck.org

Bill To: **Agent**

Permit Issuance Date: **4/17/2025**

Permit Number: **70003277**

SUBSURFACE INVESTIGATION PERMIT

I. Well Owner Information

Name: City of Charlottte
Attn: Ebony Wells
Phone #: 7043362291
Address 1: 600 E 4th ST
Address 2:
City: Charlotte State: NC Zip: 28202

II. Agent Information *(if applicable)*

Name: S&ME, Inc.
Attn: Tom Raymond
Phone #: 9199546229
Address 1: 3201 Spring Forest RD
Address 2:
City: Raliegh State: NC Zip: 27616

III. Site Information

Site Name; Southside Park
Parcel ID Number: 14501415
Address: 645 REMOUNT RD
City: CHARLOTTE State: NC Zip: 28203

General Conditions of This Permit:

- This permit shall be VALID for a period not to exceed twelve (12) months from the date of issuance.
- This permit is VALID for the site specified above and must be on-site during the course of the investigation and made available to a Department representative upon request.
- A North Carolina Certified Well Contrator must perform any well contractor activities associated with this permit.
- All wells shall be constructed and abandoned to the standards of Chapter VI, Section V and Section VI of the Mecklenburg County Groundwater Well Regulations.
- All temporary wells, including those installed using Direct Push Technology, must be abandoned to the standards of Chapter VI, Section VI of the Mecklenburg County Groundwater Well Regulations.
- Registration information for all wells must be submitted to the Department within thirty (30) days of well completion. If water samples are collected, it is recommended that the well NOT be registered until the analytical results are received.

Appendix III – S&ME Field Notes

Southside Park Soil Gas Testing - GEM

Sample Point	Time	Methane (CH4)	Carbon Dioxide (CO2)	Oxygen (O2)	Carbon Minoxide (CO)	Hydrogen Sulfide (H2S)	BAL	PID Reading (ppm)	Atmospheric Pressure	Humidity (%)	Temperature (F)
LFG -1	1338	0	13.1	6.7	0	1	80.1	0.1	29.42	77	80
LFG -2	1413	0	0	21	6	0	78.7	1.1	29.4	77	80
LFG -3	1349	0.2	16.2	0.3	0	0	83.3	1	29.42	77	80
LFG -4	1320	0	6.5	11.6	0	0	81.9	1.6	29.4	77	80
LFG -5	1419	0	1.5	17.8	0	0	80.9	0.9	29.3	77	81
LFG -6	1406	19.2	1.6	0.6	2	2	74	7.8	29.41	77	81
LFG -7	1308	1.9	17.4	0.2	0	1	80.4	58.1	29.42	78	80
LFG -8	1247	7	12.7	0.2	0	1	80.1	10.2	29.42	79	79
LFG -9	1228	0.5	9.9	2.7	0	0	86.9	5.8	29.43	79	79
LFG -10	1255	28.9	13	0.1	0	1	58	5.5	29.41	79	79
LFG -11	1359	0.2	14.6	0.3	0	0	84.5	7.2	29.41	77	81
LFG -12	1204	0.5	18.21	0.2	0	2	81.2	24.8	29.43	78	79
BKG-1	1426	0	0	21.2	0	0	78.8	0	29.37	79	81
BKG-2	1429	0	0	21.3	0	0	78.8	0	29.37	73	81
BKG-3	1433	0	0	21.4	0	0	78.6	0	29.38	73	81

Southside Park Soil Gas Testing
Hg Tube & Tedlar Bag Sample Times

Sample Point	Hg START	Hg END	H2S
LFG -1	1440	1540	1615
LFG -2	1126	1236	1520
LFG -3	1455	1555	1604
LFG -4	1440	1540	1554
LFG -5	1136	1236	1509
LFG -6	1433	1533	1730
LFG -7	1145	1245	1720
LFG -8	1150	1250	1713
LFG -9	1317	1417	1705
LFG -10	1319	1419	1652
LFG -11	1322	1422	1530
LFG -12	1320	1420	1658

Dup taken at LFG-1

SOIL VAPOR FIELD SAMPLING FORM

Project Name:	Southside Park Soil Gas Sampling		
Project Number:	215952M		
Location:	Southside Park Charlotte, NC	**Date:**	June 12-13 ,2025
Weather:	Sunny	**Air Temp (°F):**	75
Helium Detector Serial No.:	414318	**Calibration Date:**	3/26/2025

Sample Information

Sample Type	Soil Gas Implant	Soil Gas Implant	Soil Gas Implant	Soil Gas Implant	Soil Gas Implant
Sample ID	LFG-1	LFG-2	LFG-3	LFG-4	LFG-5
Canister ID	46897	45919	44623	49511	50958
Regulator ID	20217	202	10534	20225	20258
Canister Volume (L)	6	6	6	6	6
Ambient Temp (°F)	85	85	85	85	85
Barometric Pressure (inHg)	30.1	30.1	30.1	30.1	30.1

Leak Test Information

Purge Method	Personal Pump	Personal Pump	Personal Pump	Personal Pump	Personal Pump
He Concentration in Shroud (%)	10	10	10	10	10.4
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)
		0													
Sand Pack Interval Depth (in-bgs)		to			to			to			to			to	
Volume (mL)															
Purge Flow Rate (mL/min)															
Purge Interval (3x Vol.) (min)															
Actual Purge Time (min)															

Sample Collection

Start Time	13:17	09:50	10:52	12:58	10:38
Initial Vacuum (inHg)	-29	-29	-29	-30	-29
End Time	16:04	12:28	13:41	15:48	13:36
Final Vacuum (inHg)	-1	-5	-5	-5	-5
Approximate Total Time (min)	167	158	169	170	178
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: Dennis Donath Sampler Signature: DCD Date: 8/15/2025

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.

Revision Date: 5/3/18 11:30

SOIL VAPOR FIELD SAMPLING FORM

Project Name:	Southside Park Soil Gas Sampling		
Project Number:	215952M		
Location:	Southside Park Charlotte, NC	**Date:**	June 12-13 ,2025
Weather:	Sunny	**Air Temp (°F):**	75
Helium Detector Serial No.:	414318	**Calibration Date:**	6/2/2025

Sample Information

Sample Type	Soil Gas Implant	Soil Gas Implant	Soil Gas Implant	Soil Gas Implant	Soil Gas Implant
Sample ID	LFG-6	LFG-7	LFG-8	LFG-9	LFG-10
Canister ID	41726	48086	49288	48092	49346
Regulator ID	20120	13288	16670	16059	20072
Canister Volume (L)	6	6	6	6	6
Ambient Temp (°F)	85	85	85	85	85
Barometric Pressure (inHg)	30.1	30.1	30.1	30.1	30.1

Leak Test Information

Purge Method	Personal Pump	Personal Pump	Personal Pump	Personal Pump	Personal Pump
He Concentration in Shroud (%)	10.5	10.9	10.3	10.7	10
He Detected in Leak Test (Y or N)	Yes	No	No	No	No
He Conc. Detected in Leak Test (ppm)	2,500	0	0	0	0
Percent of He in the Leak Test versus the Shroud	2.381%	0.000%	0.000%	0.000%	0.000%
Leak Test Passed (Yes/No)[1]	No	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)
		0													
Sand Pack Interval Depth (in-bgs)		to			to			to			to			to	
Volume (mL)															
Purge Flow Rate (mL/min)															
Purge Interval (3x Vol.) (min)															
Actual Purge Time (min)															

Sample Collection

Start Time	13:52	10:11	09:46	08:54	09:19
Initial Vacuum (inHg)	-29	-30	-29	-30	-29
End Time	16:17	12:50	12:23	11:47	11:42
Final Vacuum (inHg)	-1	-5	-5	-5	-4
Approximate Total Time (min)	145	159	157	173	143
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: Dennis Donath Sampler Signature: DCD Date: 8/15/2025

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.
LFG-6 failed leak test due to unsealed pipe, same T connector used for LFG-1 was used for 6 even though it passed at LFG -1 and not LFG - 6. Dupe taken at LFG 2

SOIL VAPOR FIELD SAMPLING FORM

Project Name:	Southside Park Soil Gas Sampling		
Project Number:	215952M		
Location:	Southside Park Charlotte, NC	**Date:**	June 12-13, 2025
Weather:	Sunny	**Air Temp (°F):**	75
Helium Detector Serial No.:	414318	**Calibration Date:**	3/26/2025

Sample Information

Sample Type	Soil Gas Implant	Soil Gas Implant	Soil Gas Implant	Soil Gas Implant	Soil Gas Implant
Sample ID	LFG-11	LFG-12	DUP-6122025-SG	DUP-6132025-SG	
Canister ID	38753	49325	50710	31333	
Regulator ID	20115	17211	20255	10516	
Canister Volume (L)	6	6	6	6	
Ambient Temp (°F)	85	75	85	75	
Barometric Pressure (inHg)	30.1	30.1	30.1	30.1	

Leak Test Information

Purge Method	Personal Pump	Personal Pump	Personal Pump	Personal Pump	
He Concentration in Shroud (%)	10.1	10	10.4	10	
He Detected in Leak Test (Y or N)	No	No	No	No	
He Conc. Detected in Leak Test (ppm)	0	0	0	0	
Percent of He in the Leak Test versus the Shroud	0.000%	0.000%	0.000%	0.000%	
Leak Test Passed (Yes/No)[1]	Yes	Yes	Yes	Yes	

Purge Information

Enter Construction Details →	0.17" ID Total Tubing (ft)	0.25" ID Total Tubing (in)	Sand Pack Interval (in)	0.17" ID Total Tubing (ft)	0.25" ID Total Tubing (in)	Sand Pack Interval (in)	0.17" ID Total Tubing (ft)	0.25" ID Total Tubing (in)	Sand Pack Interval (in)	0.17" ID Total Tubing (ft)	0.25" ID Total Tubing (in)	Sand Pack Interval (in)	0.17" ID Total Tubing (ft)	0.25" ID Total Tubing (in)	Sand Pack Interval (in)
Sand Pack Interval Depth (in-bgs)		to			to			to			to			to	
Volume (mL)															
Purge Flow Rate (mL/min)															
Purge Interval (3x Vol.) (min)															
Actual Purge Time (min)															

Sample Collection

Start Time	11:19	08:37	09:50	10:52	
Initial Vacuum (inHg)	-28	-29	-29	-30	
End Time	14:07	11:30	12:28	13:16	
Final Vacuum (inHg)	-5	-5	-6	-1	
Approximate Total Time (min)	168	173	158	144	
Sample Analysis	VOCs by TO-15	VOCs by TO-15	VOCs by TO-15	VOCs by TO-15	

Sampler Information

Sampled by: Dennis Donath Sampler Signature: DCD Date: 8/15/2025

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.

DUP-6122025-SG collected from LFG-2.

DUP-6132025-SG collected from LFG-3.

Revision Date: 5/3/18 11:30

GROUNDWATER SAMPLING FORM

Project Name:	Southside Park Landfill		
Project Location:	2645 Toomey Ave., Charlotte North Carolina		
Project Number:	215952M	Purge Date:	June 9, 2025
Source Well:	**MW-1**	Purge Time (Min.):	74
Locked?:	Yes	Sample Date:	June 9, 2025
Sampled By:	Dennis Donath	Sample Time:	13:45
Weather:	Sunny	Air Temp:	85 ° F

Equipment Calibration Information:

Equipment	Date	Time	Calibration Solution	Calibration Check		
pH	4/1/22	09:30	4.00, 7.00, 10.00	4.0	7.0	
Conductivity			µS/cm			µS/cm

Water Level & Well Data

Measuring Point:	Top of Casing	
Depth to Water:	21.13	ft-TOC
Total Well Depth:	32.61	ft-TOC
Height of Water Column:	11.48	feet
Screen Length:	10	ft-GRD
Stickup Height:	-0.5	ft-GRD

Well Volume		
Well Diameter	2	inch
Well Volume	1.9	gal
3 * Well Volume	5.6	gal
5 * Well Volume	9.4	gal

Well Purging Information

Purge Method: Submersible Pump **Purge Start Time:** 10:00 **End Time:** 11:14

Total Volume Purged: 6.5 gal **Well Purged Dry?:** Yes

Field Parameters

Cumulative Volume (Gal)	Time	pH (s.u.)	Temp (°C)	Cond µS/cm	Turbidity (NTU)	Comments
2.5	10:00	7.1	21	175		
4.8	10:52	7.1	21	177		
6.5	11:14	7.7	22.3	173		

Sample Method: Bailer **Sample Time:** 13:45

Analytical Data

Method	Qty	Container	Pres.	Method	Qty	Container	Pres.

Name	Signature	Date
(1) Dennis Donath		8/15/2025

Notes:

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

GROUNDWATER SAMPLING FORM

Project Name:	Southside Park Landfill		
Project Location:	2645 Toomey Ave., Charlotte North Carolina		
Project Number:	215952M	Purge Date:	June 9, 2025
Source Well:	**MW-2**	Purge Time (Min.):	20
Locked?:	Yes	Sample Date:	June 9, 2025
Sampled By:	Dennis Donath	Sample Time:	16:50
Weather:	Sunny	Air Temp:	85 ° F

Equipment Calibration Information:

Equipment	Date	Time	Calibration Solution	Calibration Check		
pH	4/1/22	09:30	4.00, 7.00, 10.00	4.0	7.0	
Conductivity			µS/cm			µS/cm

Water Level & Well Data

Measuring Point:	Top of Casing	
Depth to Water:	10.30	ft-TOC
Total Well Depth:	33.44	ft-TOC
Height of Water Column:	23.14	feet
Screen Length:	10	ft-GRD
Stickup Height:	-0.5	ft-GRD

Well Volume		
Well Diameter	2	inch
Well Volume	3.8	gal
3 * Well Volume	11.3	gal
5 * Well Volume	18.9	gal

Well Purging Information

Purge Method: Submersible Pump **Purge Start Time:** 16:30 **End Time:** 16:50

Total Volume Purged: 11.4 gal **Well Purged Dry?:** Yes

Field Parameters

Cumulative Volume (Gal)	Time	pH (s.u.)	Temp (°C)	Cond µS/cm	Turbidity (NTU)	Comments
3.8	16:35	7.9	21	134		
7.6	16:40	7.9	21.6	128		
11.4	16:45	7.7	21	128		

Sample Method: Bailer **Sample Time:** 16:50

Analytical Data

Method	Qty	Container	Pres.	Method	Qty	Container	Pres.

Name	Signature	Date
(1) Dennis Donath		8/15/2025

Notes:

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

GROUNDWATER SAMPLING FORM

Project Name:	Southside Park Landfill		
Project Location:	2645 Toomey Ave., Charlotte North Carolina		
Project Number:	215952M	Purge Date:	June 10, 2025
Source Well:	**MW-3**	Purge Time (Min.):	36
Locked?:	Yes	Sample Date:	June 10, 2025
Sampled By:	Dennis Donath	Sample Time:	17:00
Weather:	Sunny	Air Temp:	85 ° F

Equipment Calibration Information:

Equipment	Date	Time	Calibration Solution	Calibration Check		
pH	4/1/22	09:30	4.00, 7.00, 10.00	4.0	7.0	
Conductivity			µS/cm			µS/cm

Water Level & Well Data

Measuring Point:	Top of Casing	
Depth to Water:	27.38	ft-TOC
Total Well Depth:	67.85	ft-TOC
Height of Water Column:	40.47	feet
Screen Length:	10	ft-GRD
Stickup Height:	-0.5	ft-GRD

Well Volume		
Well Diameter	2	inch
Well Volume	6.6	gal
3 * Well Volume	19.8	gal
5 * Well Volume	33.0	gal

Well Purging Information

Purge Method: Submersible Pump **Purge Start Time:** 08:54 **End Time:** 09:30

Total Volume Purged: 8.0 gal **Well Purged Dry?:** No

Field Parameters

Cumulative Volume (Gal)	Time	pH (s.u.)	Temp (°C)	Cond µS/cm	Turbidity (NTU)	Comments
4.0	08:55	7.8	19.2	85		
6.5	09:00	7.7	19.2	133		
8.0	09:29	7.9	20.3	171		

Sample Method: Bailer **Sample Time:** 17:00

Analytical Data

Method	Qty	Container	Pres.	Method	Qty	Container	Pres.

Name	Signature	Date
(1) Dennis Donath		8/15/2025

Notes: Well went dry and took 8 hours to recharge completely.

GROUNDWATER SAMPLING FORM

Project Name:	Southside Park Landfill		
Project Location:	2645 Toomey Ave., Charlotte North Carolina		
Project Number:	215952M	Purge Date:	June 9, 2025
Source Well:	**MW-4**	Purge Time (Min.):	15
Locked?:	Yes	Sample Date:	June 9, 2025
Sampled By:	Dennis Donath	Sample Time:	16:15
Weather:	Sunny	Air Temp:	85 ° F

Equipment Calibration Information:

Equipment	Date	Time	Calibration Solution	Calibration Check		
pH	4/1/22	09:30	4.00, 7.00, 10.00	4.0	7.0	
Conductivity			µS/cm			µS/cm

Water Level & Well Data

Measuring Point:	Top of Casing	
Depth to Water:	18.59	ft-TOC
Total Well Depth:	23.73	ft-TOC
Height of Water Column:	5.14	feet
Screen Length:	10	ft-GRD
Stickup Height:	-0.5	ft-GRD

Well Volume		
Well Diameter	2	inch
Well Volume	0.8	gal
3 * Well Volume	2.5	gal
5 * Well Volume	4.2	gal

Well Purging Information

Purge Method: Submersible Pump **Purge Start Time:** 16:00 **End Time:** 16:15

Total Volume Purged: 3.0 gal **Well Purged Dry?:** No

Field Parameters

Cumulative Volume (Gal)	Time	pH (s.u.)	Temp (°C)	Cond µS/cm	Turbidity (NTU)	Comments
1.0	16:10	7.6	20.3	235		
2.0	16:12	7.6	19.4	246		
3.0	16:15	7.6	19.1	250		

Sample Method: Bailer **Sample Time:** 16:15

Analytical Data

Method	Qty	Container	Pres.	Method	Qty	Container	Pres.

Name	Signature	Date
(1) Dennis Donath		6/9/2025

Notes:

GROUNDWATER SAMPLING FORM

Project Name:	Southside Park Landfill		
Project Location:	2645 Toomey Ave., Charlotte North Carolina		
Project Number:	215952M	Purge Date:	June 9, 2025
Source Well:	**MW-5**	Purge Time (Min.):	30
Locked?:	Yes	Sample Date:	June 9, 2025
Sampled By:	Dennis Donath	Sample Time:	15:30
Weather:	Sunny	Air Temp:	85 ° F

Equipment Calibration Information:

Equipment	Date	Time	Calibration Solution	Calibration Check		
pH	4/1/22	09:30	4.00, 7.00, 10.00	4.0	7.0	
Conductivity			µS/cm			µS/cm

Water Level & Well Data

Measuring Point:	Top of Casing	
Depth to Water:	8.66	ft-TOC
Total Well Depth:	18.26	ft-TOC
Height of Water Column:	9.60	feet
Screen Length:	10	ft-GRD
Stickup Height:		ft-GRD

Well Volume		
Well Diameter	2	inch
Well Volume	1.6	gal
3 * Well Volume	4.7	gal
5 * Well Volume	7.8	gal

Well Purging Information

Purge Method: Submersible Pump **Purge Start Time:** 14:50 **End Time:** 15:20

Total Volume Purged: 4.5 gal **Well Purged Dry?:** No

Field Parameters

Cumulative Volume (Gal)	Time	pH (s.u.)	Temp (°C)	Cond µS/cm	Turbidity (NTU)	Comments
1.5	14:50	8.4	18.8	104		
2.5.	15:06	7.7	18.2	142		
4.5	15:15	7.1	18.1	145		

Sample Method: Bailer **Sample Time:** 15:30

Analytical Data

Method	Qty	Container	Pres.	Method	Qty	Container	Pres.

Name	Signature	Date
(1) Dennis Donath		8/15/2025

Notes:

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

GROUNDWATER SAMPLING FORM

Project Name:	Southside Park Landfill		
Project Location:	2645 Toomey Ave., Charlotte North Carolina		
Project Number:	215952M	Purge Date:	June 9, 2025
Source Well:	**MW-6**	Purge Time (Min.):	20
Locked?:	Yes	Sample Date:	June 9, 2025
Sampled By:	Dennis Donath	Sample Time:	12:15
Weather:	Sunny	Air Temp:	85 ° F

Equipment Calibration Information:

Equipment	Date	Time	Calibration Solution	Calibration Check		
pH	4/1/22	09:30	4.00, 7.00, 10.00	4.0	7.0	
Conductivity			µS/cm			µS/cm

Water Level & Well Data

Measuring Point:	Top of Casing	
Depth to Water:	14.50	ft-TOC
Total Well Depth:	18.74	ft-TOC
Height of Water Column:	4.24	feet
Screen Length:	10	ft-GRD
Stickup Height:	-0.5	ft-GRD

Well Volume		
Well Diameter	2	inch
Well Volume	0.7	gal
3 * Well Volume	2.1	gal
5 * Well Volume	3.5	gal

Well Purging Information

Purge Method: Submersible Pump **Purge Start Time:** 11:45 **End Time:** 12:05

Total Volume Purged: 5.0 gal **Well Purged Dry?:** No

Field Parameters

Cumulative Volume (Gal)	Time	pH (s.u.)	Temp (°C)	Cond µS/cm	Turbidity (NTU)	Comments
2.5	11:55	8.0	19.9	182		
5.0	12:05	7.8	20.1	185		

Sample Method: Bailer **Sample Time:** 12:15

Analytical Data

Method	Qty	Container	Pres.	Method	Qty	Container	Pres.

Name	Signature	Date
(1) Dennis Donath		8/15/2025

Notes: DUP-692025-GW collected from MW-6

GROUNDWATER SAMPLING FORM

Project Name:	Southside Park Landfill		
Project Location:	2645 Toomey Ave., Charlotte North Carolina		
Project Number:	215952M	Purge Date:	June 9, 2025
Source Well:	**MW-7**	Purge Time (Min.):	112
Locked?:	Yes	Sample Date:	June 9, 2025
Sampled By:	Dennis Donath	Sample Time:	14:20
Weather:	Sunny	Air Temp:	85 ° F

Equipment Calibration Information:

Equipment	Date	Time	Calibration Solution	Calibration Check		
pH	4/1/22	09:30	4.00, 7.00, 10.00	4.0	7.0	
Conductivity			µS/cm			µS/cm

Water Level & Well Data

Measuring Point:	Top of Casing	
Depth to Water:	24.70	ft-TOC
Total Well Depth:	38.30	ft-TOC
Height of Water Column:	13.60	feet
Screen Length:	10	ft-GRD
Stickup Height:	-0.5	ft-GRD

Well Volume		
Well Diameter	2	inch
Well Volume	2.2	gal
3 * Well Volume	6.7	gal
5 * Well Volume	11.1	gal

Well Purging Information

Purge Method: Submersible Pump **Purge Start Time:** 09:35 **End Time:** 11:27

Total Volume Purged: 6.5 gal **Well Purged Dry?:** Yes

Field Parameters

Cumulative Volume (Gal)	Time	pH (s.u.)	Temp (°C)	Cond µS/cm	Turbidity (NTU)	Comments
2.3	09:37	7.4	21.2	196		
3.5	10:09	7.2	21.1	289		
5.0	10:37	7.4	20.8	271		
6.5	11:27	7.8	20.9	300		

Sample Method: Bailer **Sample Time:** 14:20

Analytical Data

Method	Qty	Container	Pres.	Method	Qty	Container	Pres.

Name	Signature	Date
(1) Dennis Donath		8/15/2025

Notes:

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

GROUNDWATER SAMPLING FORM

Project Name:	Southside Park Landfill		
Project Location:	2645 Toomey Ave., Charlotte North Carolina		
Project Number:	215952M	Purge Date:	June 10, 2025
Source Well:	**MW-8**	Purge Time (Min.):	10
Locked?:	Yes	Sample Date:	June 10, 2025
Sampled By:	Dennis Donath	Sample Time:	12:40
Weather:	Sunny	Air Temp:	85 ° F

Equipment Calibration Information:

Equipment	Date	Time	Calibration Solution	Calibration Check		
pH	4/1/22	09:30	4.00, 7.00, 10.00	4.0	7.0	
Conductivity			µS/cm			µS/cm

Water Level & Well Data

Measuring Point:	Top of Casing	
Depth to Water:	23.74	ft-TOC
Total Well Depth:	42.58	ft-TOC
Height of Water Column:	18.84	feet
Screen Length:	10	ft-GRD
Stickup Height:	-0.5	ft-GRD

Well Volume		
Well Diameter	2	inch
Well Volume	3.1	gal
3 * Well Volume	9.2	gal
5 * Well Volume	15.4	gal

Well Purging Information

Purge Method: Submersible Pump **Purge Start Time:** 11:45 **End Time:** 11:55

Total Volume Purged: 10.0 gal **Well Purged Dry?:** Yes

Field Parameters

Cumulative Volume (Gal)	Time	pH (s.u.)	Temp (°C)	Cond µS/cm	Turbidity (NTU)	Comments
3.0	11:47	7.7	19.9	143		
6.5	11:50	7.57	20.4	143		
10.0	11:53	7.5	20.7	145		

Sample Method: Bailer **Sample Time:** 12:40

Analytical Data

Method	Qty	Container	Pres.	Method	Qty	Container	Pres.

Name	Signature	Date
(1) Dennis Donath		8/15/2025

Notes: Took 20 mins to recharge

GROUNDWATER SAMPLING FORM

Project Name:	Southside Park Landfill		
Project Location:	2645 Toomey Ave., Charlotte North Carolina		
Project Number:	215952M	Purge Date:	June 10, 2025
Source Well:	**MW-9**	Purge Time (Min.):	125
Locked?:	Yes	Sample Date:	June 10, 2025
Sampled By:	Dennis Donath	Sample Time:	15:15
Weather:	Sunny	Air Temp:	85 ° F

Equipment Calibration Information:

Equipment	Date	Time	Calibration Solution	Calibration Check		
pH	4/1/22	09:30	4.00, 7.00, 10.00	4.0	7.0	
Conductivity			µS/cm			µS/cm

Water Level & Well Data

Measuring Point:	Top of Casing	
Depth to Water:	17.55	ft-TOC
Total Well Depth:	25.50	ft-TOC
Height of Water Column:	7.95	feet
Screen Length:	10	ft-GRD
Stickup Height:	-0.5	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: Submersible Pump **Purge Start Time:** 12:55 **End Time:** 15:00

Total Volume Purged: 4.0 gal **Well Purged Dry?:** Yes

Field Parameters

Cumulative Volume (Gal)	Time	pH (s.u.)	Temp (°C)	Cond µS/cm	Turbidity (NTU)	Comments
1.3	12:58	7.4	19.3	221		
2.5	14:00	7.3	19.6	208		
4.0	15:00	7.4	19.7	199		

Sample Method: Bailer **Sample Time:** 15:15

Analytical Data

Method	Qty	Container	Pres.	Method	Qty	Container	Pres.

Name	Signature	Date
(1) Dennis Donath		8/15/2025

Notes:

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

GROUNDWATER SAMPLING FORM

Project Name:	Southside Park Landfill		
Project Location:	2645 Toomey Ave., Charlotte North Carolina		
Project Number:	215952M	Purge Date:	June 10, 2025
Source Well:	**MW-10**	Purge Time (Min.):	11
Locked?:	Yes	Sample Date:	June 10, 2025
Sampled By:	Dennis Donath	Sample Time:	10:30
Weather:	Sunny	Air Temp:	85 ° F

Equipment Calibration Information:

Equipment	Date	Time	Calibration Solution	Calibration Check		
pH	4/1/22	09:30	4.00, 7.00, 10.00	4.0	7.0	
Conductivity			µS/cm			µS/cm

Water Level & Well Data

Measuring Point:	Top of Casing	
Depth to Water:	42.02	ft-TOC
Total Well Depth:	66.69	ft-TOC
Height of Water Column:	24.67	feet
Screen Length:	10	ft-GRD
Stickup Height:	-0.5	ft-GRD

Well Volume		
Well Diameter	2	inch
Well Volume	4.0	gal
3 * Well Volume	12.1	gal
5 * Well Volume	20.1	gal

Well Purging Information

Purge Method: Submersible Pump **Purge Start Time:** 09:58 **End Time:** 10:09

Total Volume Purged: 15.0 gal **Well Purged Dry?:** No

Field Parameters

Cumulative Volume (Gal)	Time	pH (s.u.)	Temp (°C)	Cond µS/cm	Turbidity (NTU)	Comments
3.0	10:00	8.2	19	136		
7.0	10:03	7.8	18.4	130		
10.5	10:05	7.7	19.1	128		
15.0	10:08	7.6	18.8	128		

Sample Method: Bailer **Sample Time:** 10:30

Analytical Data

Method	Qty	Container	Pres.	Method	Qty	Container	Pres.

Name	Signature	Date
(1) Dennis Donath		8/15/2025

Notes: DUP-6102025-GW collected from MW-10

Appendix IV – Laboratory Analytical Reports and COC

TNI Accredited
VELAP ID 460021

ENTHALPY ANALYTICAL

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

Certificate of Analysis

Final Report

Laboratory Order ID 25F1824

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received:	June 17, 2025 10:30
		Date Issued:	July 1, 2025 16:38
		Project Number:	215952
Submitted To:	Connor Hicks	Purchase Order:	
Client Site I.D.:	Southside Park Landfill-Air		

Enclosed are the results of analyses for samples received by the laboratory on 06/17/2025 10:30. If you have any questions concerning this report, please feel free to contact the laboratory.

TNI Accredited
VELAP ID 460021

ENTHALPY ANALYTICAL

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

Certificate of Analysis

Final Report

Laboratory Order ID 25F1824

Case Narrative

Client: S&ME - Raleigh
Project: Southside Park Landfill-Air

On June 17th, 2025, 14 samples were received at Enthalpy Analytical Richmond in good condition and within temperature , as reflected on the Sample Condition Checklist. The Work Order ID, sample ID, client sample ID, and date of sample collection are detailed in the report's results summary.

- Duplicates BIF1558-DUP6, BIF1558-DUP8, BIF1558-DUP9, BIF1558-DUPA were notated with a "P" qualifier due to Carbon Monoxide detections falling outside of acceptance criteria for precision. However as Carbon Monoxide was not a reported compound this is deemed non-impactful.

This Certificate of Analysis is being reissued on 07/01/2025 to reflect change to PRLF reporting format

Sincerely,

Sarah R. Endsley
Laboratory Manager

Notes:
The test results listed in this report relate only to the samples submitted to the laboratory and as received by the Laboratory.

Unless otherwise noted, the test results for solid materials are calculated on a wet weight basis. Analyses for pH, dissolved oxygen, temperature, residual chlorine and sulfite that are performed in the laboratory do not meet NELAC requirements due to extremely short holding times. These analyses should be performed in the field. The results of field analyses performed by the Sampler included in the Certificate of Analysis are done so at the client's request and are not included in the laboratory's fields of certification nor have they been audited for adherence to a reference method or procedure.

The signature on the final report certifies that these results conform to all applicable NELAC standards unless otherwise specified. For a complete list of the Laboratory's NELAC certified parameters please contact customer service.

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

ENTHALPY ANALYTICAL

Table of Contents

Client Project Name: Southside Park Landfill-Air Project Number: 215952
Work Order Number: 25F1824

1 Cover Page 1
2 Case Narrative 2
3 Table of Contents 3
4 Sample Results 7
4.1 25F1824-01: LFG-9 7
4.2 25F1824-01: LFG-9 8
4.3 25F1824-01: LFG-9 9
4.4 25F1824-01: LFG-9 10
4.5 25F1824-02: LFG-8 11
4.6 25F1824-02: LFG-8 12
4.7 25F1824-02: LFG-8 13
4.8 25F1824-02: LFG-8 14
4.9 25F1824-03: LFG-12 15
4.10 25F1824-03: LFG-12 16
4.11 25F1824-03: LFG-12 17
4.12 25F1824-03: LFG-12 18
4.13 25F1824-04: LFG-10 19
4.14 25F1824-04: LFG-10 20
4.15 25F1824-04: LFG-10 21
4.16 25F1824-04: LFG-10 22
4.17 25F1824-05: Dup-6132025-SG 23
4.18 25F1824-05: Dup-6132025-SG 24
4.19 25F1824-05: Dup-6132025-SG 25
4.20 25F1824-05: Dup-6132025-SG 26
4.21 25F1824-06: LFG-3 27

4.22 25F1824-06: LFG-3 28
4.23 25F1824-06: LFG-3 29
4.24 25F1824-06: LFG-3 30
4.25 25F1824-07: LFG-7 31
4.26 25F1824-07: LFG-7 32
4.27 25F1824-07: LFG-7 33
4.28 25F1824-07: LFG-7 34
4.29 25F1824-08: LFG-11 35
4.30 25F1824-08: LFG-11 36
4.31 25F1824-08: LFG-11 37
4.32 25F1824-08: LFG-11 38
4.33 25F1824-09: LFG-6 39
4.34 25F1824-09: LFG-6 40
4.35 25F1824-09: LFG-6 41
4.36 25F1824-09: LFG-6 42
4.37 25F1824-09: LFG-6 43
4.38 25F1824-10: LFG-1 44
4.39 25F1824-10: LFG-1 45
4.40 25F1824-10: LFG-1 46
4.41 25F1824-10: LFG-1 47
4.42 25F1824-11: LFG-4 48
4.43 25F1824-11: LFG-4 49
4.44 25F1824-11: LFG-4 50
4.45 25F1824-11: LFG-4 51
4.46 25F1824-12: LFG-2 52

4.47 25F1824-12: LFG-2 53
4.48 25F1824-12: LFG-2 54
4.49 25F1824-12: LFG-2 55
4.50 25F1824-13: Dup-6122025-SG 56
4.51 25F1824-13: Dup-6122025-SG 57
4.52 25F1824-13: Dup-6122025-SG 58
4.53 25F1824-13: Dup-6122025-SG 59
4.54 25F1824-14: LFG-5 60
4.55 25F1824-14: LFG-5 61
4.56 25F1824-14: LFG-5 62
4.57 25F1824-14: LFG-5 63
5 Quality Control Data 64
6 Analytical Summary 82
7 QC Analytical Summary 84
8 Fields of Certification 86
9 Accreditations 89
10 Qualifiers and Definitions 90
11 Sample Condition Checklist 95

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh

Date Issued: 7/1/2025 4:38:47PM

Client Site I.D.: Southside Park Landfill-Air

Submitted To: Connor Hicks

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
LFG-9	25F1824-01	Air	06/13/2025 08:54 to 06/13/2025 11:47	06/17/2025 10:30
LFG-8	25F1824-02	Air	06/13/2025 09:46 to 06/13/2025 12:23	06/17/2025 10:30
LFG-12	25F1824-03	Air	06/13/2025 08:37 to 06/13/2025 11:30	06/17/2025 10:30
LFG-10	25F1824-04	Air	06/13/2025 09:19 to 06/13/2025 11:42	06/17/2025 10:30
Dup-6132025-SG	25F1824-05	Air	06/13/2025 00:00	06/17/2025 10:30
LFG-3	25F1824-06	Air	06/13/2025 10:52 to 06/13/2025 13:41	06/17/2025 10:30
LFG-7	25F1824-07	Air	06/13/2025 10:11 to 06/13/2025 12:50	06/17/2025 10:30
LFG-11	25F1824-08	Air	06/11/2025 11:19 to 06/11/2025 14:07	06/17/2025 10:30
LFG-6	25F1824-09	Air	06/11/2025 13:52 to 06/11/2025 16:17	06/17/2025 10:30
LFG-1	25F1824-10	Air	06/11/2025 13:17 to 06/11/2025 16:04	06/17/2025 10:30
LFG-4	25F1824-11	Air	06/11/2025 12:58 to 06/11/2025 15:48	06/17/2025 10:30
LFG-2	25F1824-12	Air	06/11/2025 09:50 to 06/11/2025 12:28	06/17/2025 10:30
Dup-6122025-SG	25F1824-13	Air	06/11/2025 00:00	06/17/2025 10:30
LFG-5	25F1824-14	Air	06/11/2025 10:38 to 06/11/2025 13:36	06/17/2025 10:30

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Uugm3

Client Sample ID: **LFG-9** **Laboratory Sample ID:** **25F1824-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1,1-Trichloroethane	01	71-55-6	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		16	16	15	ug/m3	DFH
1,1,1,2-Tetrachloroethane	01	630-20-6	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		21	21	15	ug/m3	DFH
1,1,2,2-Tetrachloroethane	01	79-34-5	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		21	21	15	ug/m3	DFH
1,1,2-Trichloro-1,2,2-trifluoroethane	01	76-13-1	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		23	23	15	ug/m3	DFH
1,1,2-Trichloroethane	01	79-00-5	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		16	16	15	ug/m3	DFH
1,1-Dichloroethane	01	75-34-3	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		12	12	15	ug/m3	DFH
1,1-Dichloroethylene	01	75-35-4	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		12	12	15	ug/m3	DFH
1,2,4-Trimethylbenzene	01	95-63-6	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		15	15	15	ug/m3	DFH
1,2-Dibromoethane (EDB)	01	106-93-4	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		23	23	15	ug/m3	DFH
1,2-Dichlorobenzene	01	95-50-1	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		18	18	15	ug/m3	DFH
1,2-Dichloroethane	01	107-06-2	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		12	12	15	ug/m3	DFH
1,2-Dichloropropane	01	78-87-5	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		14	14	15	ug/m3	DFH
1,2-Dichlorotetrafluoroethane	01	76-14-2	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		21	21	15	ug/m3	DFH
1,3,5-Trimethylbenzene	01	108-67-8	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		15	15	15	ug/m3	DFH
1,3-Butadiene	01	106-99-0	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		6.6	6.6	15	ug/m3	DFH
1,3-Dichlorobenzene	01	541-73-1	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		18	18	15	ug/m3	DFH
1,4-Dichlorobenzene	01	106-46-7	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	190		18	18	15	ug/m3	DFH
1,4-Dioxane	01	123-91-1	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		11	11	15	ug/m3	DFH
2-Butanone (MEK)	01	78-93-3	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		8.8	8.8	15	ug/m3	DFH
4-Methyl-2-pentanone (MIBK)	01	108-10-1	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		34	34	15	ug/m3	DFH
Allyl chloride	01	107-05-1	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		9.4	9.4	15	ug/m3	DFH

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: **LFG-9** **Laboratory Sample ID:** **25F1824-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Benzene	01	71-43-2	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		9.6	9.6	15	ug/m3	DFH
Benzyl Chloride	01	100-44-7	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		16	16	15	ug/m3	DFH
Bromodichloromethane	01	75-27-4	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		20	20	15	ug/m3	DFH
Bromoform	01	75-25-2	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		31	31	15	ug/m3	DFH
Bromomethane	01	74-83-9	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		12	12	15	ug/m3	DFH
Carbon Disulfide	01	75-15-0	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		23	23	15	ug/m3	DFH
Carbon Tetrachloride	01	56-23-5	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		19	19	15	ug/m3	DFH
Chlorobenzene	01	108-90-7	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	570		14	14	15	ug/m3	DFH
Chloroethane	01	75-00-3	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		7.9	7.9	15	ug/m3	DFH
Chloroform	01	67-66-3	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		15	15	15	ug/m3	DFH
Chloromethane	01	74-87-3	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		6.2	6.2	15	ug/m3	DFH
cis-1,2-Dichloroethylene	01	156-59-2	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		12	12	15	ug/m3	DFH
cis-1,3-Dichloropropene	01	10061-01-5	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		14	14	15	ug/m3	DFH
Cyclohexane	01	110-82-7	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		10	10	15	ug/m3	DFH
Dichlorodifluoromethane	01	75-71-8	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		37	37	15	ug/m3	DFH
Ethyl acetate	01	141-78-6	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		11	11	15	ug/m3	DFH
Ethylbenzene	01	100-41-4	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		13	13	15	ug/m3	DFH
Heptane	01	142-82-5	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		12	12	15	ug/m3	DFH
Hexane	01	110-54-3	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		11	11	15	ug/m3	DFH
Isopropylbenzene	01	98-82-8	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		15	15	15	ug/m3	DFH
m+p-Xylenes	01	179601-23-1	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		26	26	15	ug/m3	DFH
Methyl methacrylate	01	80-62-6	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		12	12	15	ug/m3	DFH

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: **LFG-9** **Laboratory Sample ID:** **25F1824-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Methylene chloride	01	75-09-2	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		26	52	15	ug/m3	DFH
Methyl-t-butyl ether (MTBE)	01	1634-04-4	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		11	11	15	ug/m3	DFH
Naphthalene	01	91-20-3	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	42		1.9	16	15	ug/m3	DFH
o-Xylene	01	95-47-6	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		13	13	15	ug/m3	DFH
Propylene	01	115-07-1	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	26		26	26	15	ug/m3	DFH
Styrene	01	100-42-5	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		13	13	15	ug/m3	DFH
TBA	01	75-65-0	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		23	23	15	ug/m3	DFH
Tetrachloroethylene (PCE)	01	127-18-4	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		2.5	20	15	ug/m3	DFH
Tetrahydrofuran	01	109-99-9	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		8.8	8.8	15	ug/m3	DFH
Toluene	01	108-88-3	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		11	11	15	ug/m3	DFH
trans-1,2-Dichloroethylene	01	156-60-5	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		12	12	15	ug/m3	DFH
trans-1,3-Dichloropropene	01	10061-02-6	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		14	14	15	ug/m3	DFH
Trichloroethylene	01	79-01-6	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		1.4	16	15	ug/m3	DFH
Trichlorofluoromethane	01	75-69-4	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		17	17	15	ug/m3	DFH
Vinyl acetate	01	108-05-4	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		11	11	15	ug/m3	DFH
Vinyl bromide	01	593-60-2	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		13	13	15	ug/m3	DFH
Vinyl chloride	01	75-01-4	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	12		7.7	7.7	15	ug/m3	DFH
Xylenes, Total	01	1330-20-7	EPA TO-15	06/24/2025 10:08	06/24/2025 10:08	BLOD		39	39	15	ug/m3	DFH
Surr: 4-Bromofluorobenzene (Surr)	*01*		*115 %*	*80-120*	*06/24/2025 10:08*	*06/24/2025 10:08*						

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: **LFG-9** **Laboratory Sample ID:** **25F1824-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GC/TCD - Unadjusted, as received basis												
Methane	01	74-82-8	ASTM D1946	06/26/2025 11:19	06/26/2025 11:19	BLOD		0.45	0.45	9	Vol%	NSD

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: LFG-8 **Laboratory Sample ID:** 25F1824-02

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1,1-Trichloroethane	02	71-55-6	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		33	33	30	ug/m3	DFH
1,1,1,2-Tetrachloroethane	02	630-20-6	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		41	41	30	ug/m3	DFH
1,1,2,2-Tetrachloroethane	02	79-34-5	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		41	41	30	ug/m3	DFH
1,1,2-Trichloro-1,2,2-trifluoroethane	02	76-13-1	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		46	46	30	ug/m3	DFH
1,1,2-Trichloroethane	02	79-00-5	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		33	33	30	ug/m3	DFH
1,1-Dichloroethane	02	75-34-3	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		24	24	30	ug/m3	DFH
1,1-Dichloroethylene	02	75-35-4	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		24	24	30	ug/m3	DFH
1,2,4-Trimethylbenzene	02	95-63-6	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		29	29	30	ug/m3	DFH
1,2-Dibromoethane (EDB)	02	106-93-4	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		46	46	30	ug/m3	DFH
1,2-Dichlorobenzene	02	95-50-1	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		36	36	30	ug/m3	DFH
1,2-Dichloroethane	02	107-06-2	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		24	24	30	ug/m3	DFH
1,2-Dichloropropane	02	78-87-5	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		28	28	30	ug/m3	DFH
1,2-Dichlorotetrafluoroethane	02	76-14-2	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		42	42	30	ug/m3	DFH
1,3,5-Trimethylbenzene	02	108-67-8	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		29	29	30	ug/m3	DFH
1,3-Butadiene	02	106-99-0	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		13	13	30	ug/m3	DFH
1,3-Dichlorobenzene	02	541-73-1	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		36	36	30	ug/m3	DFH
1,4-Dichlorobenzene	02	106-46-7	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		36	36	30	ug/m3	DFH
1,4-Dioxane	02	123-91-1	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		22	22	30	ug/m3	DFH
2-Butanone (MEK)	02	78-93-3	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		18	18	30	ug/m3	DFH
4-Methyl-2-pentanone (MIBK)	02	108-10-1	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		69	69	30	ug/m3	DFH
Allyl chloride	02	107-05-1	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		19	19	30	ug/m3	DFH
Benzene	02	71-43-2	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	39		19	19	30	ug/m3	DFH
Benzyl Chloride	02	100-44-7	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		31	31	30	ug/m3	DFH

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: LFG-8 **Laboratory Sample ID:** 25F1824-02

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromodichloromethane	02	75-27-4	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		40	40	30	ug/m3	DFH
Bromoform	02	75-25-2	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		62	62	30	ug/m3	DFH
Bromomethane	02	74-83-9	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		23	23	30	ug/m3	DFH
Carbon Disulfide	02	75-15-0	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		47	47	30	ug/m3	DFH
Carbon Tetrachloride	02	56-23-5	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		38	38	30	ug/m3	DFH
Chlorobenzene	02	108-90-7	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	80		28	28	30	ug/m3	DFH
Chloroethane	02	75-00-3	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		16	16	30	ug/m3	DFH
Chloroform	02	67-66-3	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		29	29	30	ug/m3	DFH
Chloromethane	02	74-87-3	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		12	12	30	ug/m3	DFH
cis-1,2-Dichloroethylene	02	156-59-2	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		24	24	30	ug/m3	DFH
cis-1,3-Dichloropropene	02	10061-01-5	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		27	27	30	ug/m3	DFH
Cyclohexane	02	110-82-7	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		21	21	30	ug/m3	DFH
Dichlorodifluoromethane	02	75-71-8	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		74	74	30	ug/m3	DFH
Ethyl acetate	02	141-78-6	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		22	22	30	ug/m3	DFH
Ethylbenzene	02	100-41-4	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		26	26	30	ug/m3	DFH
Heptane	02	142-82-5	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	38		25	25	30	ug/m3	DFH
Hexane	02	110-54-3	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	74		21	21	30	ug/m3	DFH
Isopropylbenzene	02	98-82-8	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		29	29	30	ug/m3	DFH
m+p-Xylenes	02	179601-23-1	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		52	52	30	ug/m3	DFH
Methyl methacrylate	02	80-62-6	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		25	25	30	ug/m3	DFH
Methylene chloride	02	75-09-2	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		52	100	30	ug/m3	DFH
Methyl-t-butyl ether (MTBE)	02	1634-04-4	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		22	22	30	ug/m3	DFH

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: **LFG-8** **Laboratory Sample ID:** **25F1824-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	02	91-20-3	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		3.7	31	30	ug/m3	DFH
o-Xylene	02	95-47-6	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		26	26	30	ug/m3	DFH
Propylene	02	115-07-1	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	190		52	52	30	ug/m3	DFH
Styrene	02	100-42-5	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		26	26	30	ug/m3	DFH
TBA	02	75-65-0	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		45	45	30	ug/m3	DFH
Tetrachloroethylene (PCE)	02	127-18-4	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		5.0	41	30	ug/m3	DFH
Tetrahydrofuran	02	109-99-9	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		18	18	30	ug/m3	DFH
Toluene	02	108-88-3	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		23	23	30	ug/m3	DFH
trans-1,2-Dichloroethylene	02	156-60-5	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		24	24	30	ug/m3	DFH
trans-1,3-Dichloropropene	02	10061-02-6	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		27	27	30	ug/m3	DFH
Trichloroethylene	02	79-01-6	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		2.8	32	30	ug/m3	DFH
Trichlorofluoromethane	02	75-69-4	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		34	34	30	ug/m3	DFH
Vinyl acetate	02	108-05-4	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		21	21	30	ug/m3	DFH
Vinyl bromide	02	593-60-2	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		26	26	30	ug/m3	DFH
Vinyl chloride	02	75-01-4	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	48		15	15	30	ug/m3	DFH
Xylenes, Total	02	1330-20-7	EPA TO-15	06/24/2025 11:44	06/24/2025 11:44	BLOD		78	78	30	ug/m3	DFH
Surr: 4-Bromofluorobenzene (Surr)	*02*	*97.6 %*	*80-120*	*06/24/2025 11:44*	*06/24/2025 11:44*							

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: **LFG-8** **Laboratory Sample ID:** **25F1824-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GC/TCD - Unadjusted, as received basis												
Methane	02	74-82-8	ASTM D1946	06/26/2025 12:04	06/26/2025 12:04	6.47		0.45	0.45	9	Vol%	NSD

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: **LFG-12** **Laboratory Sample ID:** **25F1824-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1,1-Trichloroethane	03	71-55-6	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		16	16	15	ug/m3	DFH
1,1,1,2-Tetrachloroethane	03	630-20-6	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		21	21	15	ug/m3	DFH
1,1,2,2-Tetrachloroethane	03	79-34-5	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		21	21	15	ug/m3	DFH
1,1,2-Trichloro-1,2,2-trifluoroethane	03	76-13-1	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		23	23	15	ug/m3	DFH
1,1,2-Trichloroethane	03	79-00-5	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		16	16	15	ug/m3	DFH
1,1-Dichloroethane	03	75-34-3	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		12	12	15	ug/m3	DFH
1,1-Dichloroethylene	03	75-35-4	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		12	12	15	ug/m3	DFH
1,2,4-Trimethylbenzene	03	95-63-6	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		15	15	15	ug/m3	DFH
1,2-Dibromoethane (EDB)	03	106-93-4	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		23	23	15	ug/m3	DFH
1,2-Dichlorobenzene	03	95-50-1	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		18	18	15	ug/m3	DFH
1,2-Dichloroethane	03	107-06-2	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		12	12	15	ug/m3	DFH
1,2-Dichloropropane	03	78-87-5	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		14	14	15	ug/m3	DFH
1,2-Dichlorotetrafluoroethane	03	76-14-2	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		21	21	15	ug/m3	DFH
1,3,5-Trimethylbenzene	03	108-67-8	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		15	15	15	ug/m3	DFH
1,3-Butadiene	03	106-99-0	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		6.6	6.6	15	ug/m3	DFH
1,3-Dichlorobenzene	03	541-73-1	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		18	18	15	ug/m3	DFH
1,4-Dichlorobenzene	03	106-46-7	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	26		18	18	15	ug/m3	DFH
1,4-Dioxane	03	123-91-1	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		11	11	15	ug/m3	DFH
2-Butanone (MEK)	03	78-93-3	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		8.8	8.8	15	ug/m3	DFH
4-Methyl-2-pentanone (MIBK)	03	108-10-1	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		34	34	15	ug/m3	DFH
Allyl chloride	03	107-05-1	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		9.4	9.4	15	ug/m3	DFH
Benzene	03	71-43-2	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	17		9.6	9.6	15	ug/m3	DFH
Benzyl Chloride	03	100-44-7	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		16	16	15	ug/m3	DFH

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: LFG-12 **Laboratory Sample ID:** 25F1824-03

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromodichloromethane	03	75-27-4	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		20	20	15	ug/m3	DFH
Bromoform	03	75-25-2	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		31	31	15	ug/m3	DFH
Bromomethane	03	74-83-9	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		12	12	15	ug/m3	DFH
Carbon Disulfide	03	75-15-0	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		23	23	15	ug/m3	DFH
Carbon Tetrachloride	03	56-23-5	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		19	19	15	ug/m3	DFH
Chlorobenzene	03	108-90-7	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	41		14	14	15	ug/m3	DFH
Chloroethane	03	75-00-3	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		7.9	7.9	15	ug/m3	DFH
Chloroform	03	67-66-3	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		15	15	15	ug/m3	DFH
Chloromethane	03	74-87-3	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		6.2	6.2	15	ug/m3	DFH
cis-1,2-Dichloroethylene	03	156-59-2	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		12	12	15	ug/m3	DFH
cis-1,3-Dichloropropene	03	10061-01-5	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		14	14	15	ug/m3	DFH
Cyclohexane	03	110-82-7	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	13		10	10	15	ug/m3	DFH
Dichlorodifluoromethane	03	75-71-8	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		37	37	15	ug/m3	DFH
Ethyl acetate	03	141-78-6	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		11	11	15	ug/m3	DFH
Ethylbenzene	03	100-41-4	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		13	13	15	ug/m3	DFH
Heptane	03	142-82-5	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	22		12	12	15	ug/m3	DFH
Hexane	03	110-54-3	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	38		11	11	15	ug/m3	DFH
Isopropylbenzene	03	98-82-8	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		15	15	15	ug/m3	DFH
m+p-Xylenes	03	179601-23-1	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		26	26	15	ug/m3	DFH
Methyl methacrylate	03	80-62-6	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		12	12	15	ug/m3	DFH
Methylene chloride	03	75-09-2	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		26	52	15	ug/m3	DFH
Methyl-t-butyl ether (MTBE)	03	1634-04-4	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		11	11	15	ug/m3	DFH

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: **LFG-12** **Laboratory Sample ID:** **25F1824-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	03	91-20-3	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	28		1.9	16	15	ug/m3	DFH
o-Xylene	03	95-47-6	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		13	13	15	ug/m3	DFH
Propylene	03	115-07-1	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	36		26	26	15	ug/m3	DFH
Styrene	03	100-42-5	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		13	13	15	ug/m3	DFH
TBA	03	75-65-0	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		23	23	15	ug/m3	DFH
Tetrachloroethylene (PCE)	03	127-18-4	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		2.5	20	15	ug/m3	DFH
Tetrahydrofuran	03	109-99-9	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		8.8	8.8	15	ug/m3	DFH
Toluene	03	108-88-3	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		11	11	15	ug/m3	DFH
trans-1,2-Dichloroethylene	03	156-60-5	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		12	12	15	ug/m3	DFH
trans-1,3-Dichloropropene	03	10061-02-6	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		14	14	15	ug/m3	DFH
Trichloroethylene	03	79-01-6	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		1.4	16	15	ug/m3	DFH
Trichlorofluoromethane	03	75-69-4	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		17	17	15	ug/m3	DFH
Vinyl acetate	03	108-05-4	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		11	11	15	ug/m3	DFH
Vinyl bromide	03	593-60-2	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		13	13	15	ug/m3	DFH
Vinyl chloride	03	75-01-4	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		7.7	7.7	15	ug/m3	DFH
Xylenes, Total	03	1330-20-7	EPA TO-15	06/24/2025 13:11	06/24/2025 13:11	BLOD		39	39	15	ug/m3	DFH
Surr: 4-Bromofluorobenzene (Surr)	*03*		*100 %*	*80-120*	*06/24/2025 13:11*	*06/24/2025 13:11*						

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: **LFG-12** **Laboratory Sample ID:** **25F1824-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GC/TCD - Unadjusted, as received basis												
Methane	03	74-82-8	ASTM D1946	06/26/2025 12:49	06/26/2025 12:49	0.55		0.45	0.45	9	Vol%	NSD

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: **LFG-10** **Laboratory Sample ID:** **25F1824-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1,1-Trichloroethane	04	71-55-6	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		33	33	30	ug/m3	DFH
1,1,1,2-Tetrachloroethane	04	630-20-6	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		41	41	30	ug/m3	DFH
1,1,2,2-Tetrachloroethane	04	79-34-5	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		41	41	30	ug/m3	DFH
1,1,2-Trichloro-1,2,2-trifluoroethane	04	76-13-1	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		46	46	30	ug/m3	DFH
1,1,2-Trichloroethane	04	79-00-5	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		33	33	30	ug/m3	DFH
1,1-Dichloroethane	04	75-34-3	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		24	24	30	ug/m3	DFH
1,1-Dichloroethylene	04	75-35-4	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		24	24	30	ug/m3	DFH
1,2,4-Trimethylbenzene	04	95-63-6	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		29	29	30	ug/m3	DFH
1,2-Dibromoethane (EDB)	04	106-93-4	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		46	46	30	ug/m3	DFH
1,2-Dichlorobenzene	04	95-50-1	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		36	36	30	ug/m3	DFH
1,2-Dichloroethane	04	107-06-2	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		24	24	30	ug/m3	DFH
1,2-Dichloropropane	04	78-87-5	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		28	28	30	ug/m3	DFH
1,2-Dichlorotetrafluoroethane	04	76-14-2	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		42	42	30	ug/m3	DFH
1,3,5-Trimethylbenzene	04	108-67-8	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		29	29	30	ug/m3	DFH
1,3-Butadiene	04	106-99-0	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		13	13	30	ug/m3	DFH
1,3-Dichlorobenzene	04	541-73-1	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		36	36	30	ug/m3	DFH
1,4-Dichlorobenzene	04	106-46-7	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		36	36	30	ug/m3	DFH
1,4-Dioxane	04	123-91-1	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		22	22	30	ug/m3	DFH
2-Butanone (MEK)	04	78-93-3	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	26		18	18	30	ug/m3	DFH
4-Methyl-2-pentanone (MIBK)	04	108-10-1	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		69	69	30	ug/m3	DFH
Allyl chloride	04	107-05-1	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		19	19	30	ug/m3	DFH
Benzene	04	71-43-2	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	69		19	19	30	ug/m3	DFH
Benzyl Chloride	04	100-44-7	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		31	31	30	ug/m3	DFH

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: **LFG-10** **Laboratory Sample ID:** **25F1824-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromodichloromethane	04	75-27-4	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		40	40	30	ug/m3	DFH
Bromoform	04	75-25-2	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		62	62	30	ug/m3	DFH
Bromomethane	04	74-83-9	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		23	23	30	ug/m3	DFH
Carbon Disulfide	04	75-15-0	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		47	47	30	ug/m3	DFH
Carbon Tetrachloride	04	56-23-5	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		38	38	30	ug/m3	DFH
Chlorobenzene	04	108-90-7	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		28	28	30	ug/m3	DFH
Chloroethane	04	75-00-3	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		16	16	30	ug/m3	DFH
Chloroform	04	67-66-3	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		29	29	30	ug/m3	DFH
Chloromethane	04	74-87-3	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		12	12	30	ug/m3	DFH
cis-1,2-Dichloroethylene	04	156-59-2	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		24	24	30	ug/m3	DFH
cis-1,3-Dichloropropene	04	10061-01-5	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		27	27	30	ug/m3	DFH
Cyclohexane	04	110-82-7	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	520		21	21	30	ug/m3	DFH
Dichlorodifluoromethane	04	75-71-8	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	320		74	74	30	ug/m3	DFH
Ethyl acetate	04	141-78-6	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		22	22	30	ug/m3	DFH
Ethylbenzene	04	100-41-4	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		26	26	30	ug/m3	DFH
Heptane	04	142-82-5	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	270		25	25	30	ug/m3	DFH
Hexane	04	110-54-3	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	300		21	21	30	ug/m3	DFH
Isopropylbenzene	04	98-82-8	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		29	29	30	ug/m3	DFH
m+p-Xylenes	04	179601-23-1	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		52	52	30	ug/m3	DFH
Methyl methacrylate	04	80-62-6	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		25	25	30	ug/m3	DFH
Methylene chloride	04	75-09-2	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		52	100	30	ug/m3	DFH
Methyl-t-butyl ether (MTBE)	04	1634-04-4	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		22	22	30	ug/m3	DFH

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: **LFG-10** **Laboratory Sample ID:** **25F1824-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	04	91-20-3	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	19	J	3.7	31	30	ug/m3	DFH
o-Xylene	04	95-47-6	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		26	26	30	ug/m3	DFH
Propylene	04	115-07-1	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		52	52	30	ug/m3	DFH
Styrene	04	100-42-5	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		26	26	30	ug/m3	DFH
TBA	04	75-65-0	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		45	45	30	ug/m3	DFH
Tetrachloroethylene (PCE)	04	127-18-4	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		5.0	41	30	ug/m3	DFH
Tetrahydrofuran	04	109-99-9	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		18	18	30	ug/m3	DFH
Toluene	04	108-88-3	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		23	23	30	ug/m3	DFH
trans-1,2-Dichloroethylene	04	156-60-5	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		24	24	30	ug/m3	DFH
trans-1,3-Dichloropropene	04	10061-02-6	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		27	27	30	ug/m3	DFH
Trichloroethylene	04	79-01-6	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		2.8	32	30	ug/m3	DFH
Trichlorofluoromethane	04	75-69-4	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		34	34	30	ug/m3	DFH
Vinyl acetate	04	108-05-4	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		21	21	30	ug/m3	DFH
Vinyl bromide	04	593-60-2	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		26	26	30	ug/m3	DFH
Vinyl chloride	04	75-01-4	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		15	15	30	ug/m3	DFH
Xylenes, Total	04	1330-20-7	EPA TO-15	06/24/2025 14:37	06/24/2025 14:37	BLOD		78	78	30	ug/m3	DFH
Surr: 4-Bromofluorobenzene (Surr)	*04*		*103 %*	*80-120*	*06/24/2025 14:37*	*06/24/2025 14:37*						

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: **LFG-10** **Laboratory Sample ID:** **25F1824-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GC/TCD - Unadjusted, as received basis												
Methane	04	74-82-8	ASTM D1946	06/26/2025 13:34	06/26/2025 13:34	29.6		0.45	0.45	9	Vol%	NSD

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: **Dup-6132025-SG** **Laboratory Sample ID:** **25F1824-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1,1-Trichloroethane	05	71-55-6	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	BLOD		1.6	1.6	1.5	ug/m3	DFH
1,1,1,2-Tetrachloroethane	05	630-20-6	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	BLOD		2.1	2.1	1.5	ug/m3	DFH
1,1,2,2-Tetrachloroethane	05	79-34-5	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	BLOD		2.1	2.1	1.5	ug/m3	DFH
1,1,2-Trichloro-1,2,2-trifluoroethane	05	76-13-1	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	BLOD		2.3	2.3	1.5	ug/m3	DFH
1,1,2-Trichloroethane	05	79-00-5	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	BLOD		1.6	1.6	1.5	ug/m3	DFH
1,1-Dichloroethane	05	75-34-3	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	BLOD		1.2	1.2	1.5	ug/m3	DFH
1,1-Dichloroethylene	05	75-35-4	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	1.7		1.2	1.2	1.5	ug/m3	DFH
1,2,4-Trimethylbenzene	05	95-63-6	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	2.4		1.5	1.5	1.5	ug/m3	DFH
1,2-Dibromoethane (EDB)	05	106-93-4	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	BLOD		2.3	2.3	1.5	ug/m3	DFH
1,2-Dichlorobenzene	05	95-50-1	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	BLOD		1.8	1.8	1.5	ug/m3	DFH
1,2-Dichloroethane	05	107-06-2	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	BLOD		1.2	1.2	1.5	ug/m3	DFH
1,2-Dichloropropane	05	78-87-5	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	BLOD		1.4	1.4	1.5	ug/m3	DFH
1,2-Dichlorotetrafluoroethane	05	76-14-2	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	BLOD		2.1	2.1	1.5	ug/m3	DFH
1,3,5-Trimethylbenzene	05	108-67-8	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	BLOD		1.5	1.5	1.5	ug/m3	DFH
1,3-Butadiene	05	106-99-0	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	BLOD		0.66	0.66	1.5	ug/m3	DFH
1,3-Dichlorobenzene	05	541-73-1	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	BLOD		1.8	1.8	1.5	ug/m3	DFH
1,4-Dichlorobenzene	05	106-46-7	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	8.7		1.8	1.8	1.5	ug/m3	DFH
1,4-Dioxane	05	123-91-1	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	BLOD		1.1	1.1	1.5	ug/m3	DFH
2-Butanone (MEK)	05	78-93-3	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	17		0.88	0.88	1.5	ug/m3	DFH
4-Methyl-2-pentanone (MIBK)	05	108-10-1	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	BLOD		3.4	3.4	1.5	ug/m3	DFH
Allyl chloride	05	107-05-1	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	BLOD		0.94	0.94	1.5	ug/m3	DFH
Benzene	05	71-43-2	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	18		0.96	0.96	1.5	ug/m3	DFH
Benzyl Chloride	05	100-44-7	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	BLOD		1.6	1.6	1.5	ug/m3	DFH

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: **Dup-6132025-SG** **Laboratory Sample ID:** **25F1824-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromodichloromethane	05	75-27-4	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	BLOD		2.0	2.0	1.5	ug/m3	DFH
Bromoform	05	75-25-2	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	BLOD		3.1	3.1	1.5	ug/m3	DFH
Bromomethane	05	74-83-9	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	BLOD		1.2	1.2	1.5	ug/m3	DFH
Carbon Disulfide	05	75-15-0	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	33		2.3	2.3	1.5	ug/m3	DFH
Carbon Tetrachloride	05	56-23-5	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	BLOD		1.9	1.9	1.5	ug/m3	DFH
Chlorobenzene	05	108-90-7	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	20		1.4	1.4	1.5	ug/m3	DFH
Chloroethane	05	75-00-3	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	BLOD		0.79	0.79	1.5	ug/m3	DFH
Chloroform	05	67-66-3	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	5.3		1.5	1.5	1.5	ug/m3	DFH
Chloromethane	05	74-87-3	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	0.77		0.62	0.62	1.5	ug/m3	DFH
cis-1,2-Dichloroethylene	05	156-59-2	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	16		1.2	1.2	1.5	ug/m3	DFH
cis-1,3-Dichloropropene	05	10061-01-5	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	BLOD		1.4	1.4	1.5	ug/m3	DFH
Cyclohexane	05	110-82-7	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	4.2		1.0	1.0	1.5	ug/m3	DFH
Dichlorodifluoromethane	05	75-71-8	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	15		3.7	3.7	1.5	ug/m3	DFH
Ethyl acetate	05	141-78-6	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	BLOD		1.1	1.1	1.5	ug/m3	DFH
Ethylbenzene	05	100-41-4	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	2.7		1.3	1.3	1.5	ug/m3	DFH
Heptane	05	142-82-5	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	5.4		1.2	1.2	1.5	ug/m3	DFH
Hexane	05	110-54-3	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	8.4		1.1	1.1	1.5	ug/m3	DFH
Isopropylbenzene	05	98-82-8	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	BLOD		1.5	1.5	1.5	ug/m3	DFH
m+p-Xylenes	05	179601-23-1	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	5.9		2.6	2.6	1.5	ug/m3	DFH
Methyl methacrylate	05	80-62-6	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	BLOD		1.2	1.2	1.5	ug/m3	DFH
Methylene chloride	05	75-09-2	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	3.8	J	2.6	5.2	1.5	ug/m3	DFH
Methyl-t-butyl ether (MTBE)	05	1634-04-4	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	BLOD		1.1	1.1	1.5	ug/m3	DFH

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: **Dup-6132025-SG** **Laboratory Sample ID:** **25F1824-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	05	91-20-3	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	17		0.19	1.6	1.5	ug/m3	DFH
o-Xylene	05	95-47-6	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	3.1		1.3	1.3	1.5	ug/m3	DFH
Propylene	05	115-07-1	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	BLOD		2.6	2.6	1.5	ug/m3	DFH
Styrene	05	100-42-5	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	BLOD		1.3	1.3	1.5	ug/m3	DFH
TBA	05	75-65-0	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	BLOD		2.3	2.3	1.5	ug/m3	DFH
Tetrachloroethylene (PCE)	05	127-18-4	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	39		0.25	2.0	1.5	ug/m3	DFH
Tetrahydrofuran	05	109-99-9	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	BLOD		0.88	0.88	1.5	ug/m3	DFH
Toluene	05	108-88-3	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	6.0		1.1	1.1	1.5	ug/m3	DFH
trans-1,2-Dichloroethylene	05	156-60-5	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	3.6		1.2	1.2	1.5	ug/m3	DFH
trans-1,3-Dichloropropene	05	10061-02-6	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	BLOD		1.4	1.4	1.5	ug/m3	DFH
Trichloroethylene	05	79-01-6	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	9.2		0.14	1.6	1.5	ug/m3	DFH
Trichlorofluoromethane	05	75-69-4	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	BLOD		1.7	1.7	1.5	ug/m3	DFH
Vinyl acetate	05	108-05-4	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	BLOD		1.1	1.1	1.5	ug/m3	DFH
Vinyl bromide	05	593-60-2	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	BLOD		1.3	1.3	1.5	ug/m3	DFH
Vinyl chloride	05	75-01-4	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	5.3		0.77	0.77	1.5	ug/m3	DFH
Xylenes, Total	05	1330-20-7	EPA TO-15	06/24/2025 17:36	06/24/2025 17:36	8.9		3.9	3.9	1.5	ug/m3	DFH
Surr: 4-Bromofluorobenzene (Surr)	*05*	*116 %*	*80-120*	*06/24/2025 17:36*	*06/24/2025 17:36*							

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: **Dup-6132025-SG** **Laboratory Sample ID:** **25F1824-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GC/TCD - Unadjusted, as received basis												
Methane	05	74-82-8	ASTM D1946	06/26/2025 14:19	06/26/2025 14:19	BLOD		0.45	0.45	9	Vol%	NSD

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: LFG-3 **Laboratory Sample ID:** 25F1824-06

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1,1-Trichloroethane	06	71-55-6	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	BLOD		3.3	3.3	3	ug/m3	DFH
1,1,1,2-Tetrachloroethane	06	630-20-6	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	BLOD		4.1	4.1	3	ug/m3	DFH
1,1,2,2-Tetrachloroethane	06	79-34-5	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	BLOD		4.1	4.1	3	ug/m3	DFH
1,1,2-Trichloro-1,2,2-trifluoroethane	06	76-13-1	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	BLOD		4.6	4.6	3	ug/m3	DFH
1,1,2-Trichloroethane	06	79-00-5	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	BLOD		3.3	3.3	3	ug/m3	DFH
1,1-Dichloroethane	06	75-34-3	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	BLOD		2.4	2.4	3	ug/m3	DFH
1,1-Dichloroethylene	06	75-35-4	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	BLOD		2.4	2.4	3	ug/m3	DFH
1,2,4-Trimethylbenzene	06	95-63-6	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	3.2		2.9	2.9	3	ug/m3	DFH
1,2-Dibromoethane (EDB)	06	106-93-4	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	BLOD		4.6	4.6	3	ug/m3	DFH
1,2-Dichlorobenzene	06	95-50-1	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	BLOD		3.6	3.6	3	ug/m3	DFH
1,2-Dichloroethane	06	107-06-2	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	BLOD		2.4	2.4	3	ug/m3	DFH
1,2-Dichloropropane	06	78-87-5	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	BLOD		2.8	2.8	3	ug/m3	DFH
1,2-Dichlorotetrafluoroethane	06	76-14-2	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	BLOD		4.2	4.2	3	ug/m3	DFH
1,3,5-Trimethylbenzene	06	108-67-8	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	BLOD		2.9	2.9	3	ug/m3	DFH
1,3-Butadiene	06	106-99-0	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	BLOD		1.3	1.3	3	ug/m3	DFH
1,3-Dichlorobenzene	06	541-73-1	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	BLOD		3.6	3.6	3	ug/m3	DFH
1,4-Dichlorobenzene	06	106-46-7	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	7.8		3.6	3.6	3	ug/m3	DFH
1,4-Dioxane	06	123-91-1	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	BLOD		2.2	2.2	3	ug/m3	DFH
2-Butanone (MEK)	06	78-93-3	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	15		1.8	1.8	3	ug/m3	DFH
4-Methyl-2-pentanone (MIBK)	06	108-10-1	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	BLOD		6.9	6.9	3	ug/m3	DFH
Allyl chloride	06	107-05-1	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	BLOD		1.9	1.9	3	ug/m3	DFH
Benzene	06	71-43-2	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	19		1.9	1.9	3	ug/m3	DFH
Benzyl Chloride	06	100-44-7	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	BLOD		3.1	3.1	3	ug/m3	DFH

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: **LFG-3** **Laboratory Sample ID:** **25F1824-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromodichloromethane	06	75-27-4	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	BLOD		4.0	4.0	3	ug/m3	DFH
Bromoform	06	75-25-2	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	BLOD		6.2	6.2	3	ug/m3	DFH
Bromomethane	06	74-83-9	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	BLOD		2.3	2.3	3	ug/m3	DFH
Carbon Disulfide	06	75-15-0	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	100		4.7	4.7	3	ug/m3	DFH
Carbon Tetrachloride	06	56-23-5	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	BLOD		3.8	3.8	3	ug/m3	DFH
Chlorobenzene	06	108-90-7	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	16		2.8	2.8	3	ug/m3	DFH
Chloroethane	06	75-00-3	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	BLOD		1.6	1.6	3	ug/m3	DFH
Chloroform	06	67-66-3	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	BLOD		2.9	2.9	3	ug/m3	DFH
Chloromethane	06	74-87-3	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	BLOD		1.2	1.2	3	ug/m3	DFH
cis-1,2-Dichloroethylene	06	156-59-2	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	16		2.4	2.4	3	ug/m3	DFH
cis-1,3-Dichloropropene	06	10061-01-5	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	BLOD		2.7	2.7	3	ug/m3	DFH
Cyclohexane	06	110-82-7	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	4.4		2.1	2.1	3	ug/m3	DFH
Dichlorodifluoromethane	06	75-71-8	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	21		7.4	7.4	3	ug/m3	DFH
Ethyl acetate	06	141-78-6	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	BLOD		2.2	2.2	3	ug/m3	DFH
Ethylbenzene	06	100-41-4	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	2.7		2.6	2.6	3	ug/m3	DFH
Heptane	06	142-82-5	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	4.8		2.5	2.5	3	ug/m3	DFH
Hexane	06	110-54-3	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	7.5		2.1	2.1	3	ug/m3	DFH
Isopropylbenzene	06	98-82-8	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	BLOD		2.9	2.9	3	ug/m3	DFH
m+p-Xylenes	06	179601-23-1	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	6.0		5.2	5.2	3	ug/m3	DFH
Methyl methacrylate	06	80-62-6	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	BLOD		2.5	2.5	3	ug/m3	DFH
Methylene chloride	06	75-09-2	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	BLOD		5.2	10	3	ug/m3	DFH
Methyl-t-butyl ether (MTBE)	06	1634-04-4	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	BLOD		2.2	2.2	3	ug/m3	DFH

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: **LFG-3** **Laboratory Sample ID:** **25F1824-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	06	91-20-3	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	15		0.37	3.1	3	ug/m3	DFH
o-Xylene	06	95-47-6	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	3.1		2.6	2.6	3	ug/m3	DFH
Propylene	06	115-07-1	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	15		5.2	5.2	3	ug/m3	DFH
Styrene	06	100-42-5	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	BLOD		2.6	2.6	3	ug/m3	DFH
TBA	06	75-65-0	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	BLOD		4.5	4.5	3	ug/m3	DFH
Tetrachloroethylene (PCE)	06	127-18-4	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	40		0.50	4.1	3	ug/m3	DFH
Tetrahydrofuran	06	109-99-9	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	BLOD		1.8	1.8	3	ug/m3	DFH
Toluene	06	108-88-3	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	6.2		2.3	2.3	3	ug/m3	DFH
trans-1,2-Dichloroethylene	06	156-60-5	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	3.1		2.4	2.4	3	ug/m3	DFH
trans-1,3-Dichloropropene	06	10061-02-6	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	BLOD		2.7	2.7	3	ug/m3	DFH
Trichloroethylene	06	79-01-6	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	9.0		0.28	3.2	3	ug/m3	DFH
Trichlorofluoromethane	06	75-69-4	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	BLOD		3.4	3.4	3	ug/m3	DFH
Vinyl acetate	06	108-05-4	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	BLOD		2.1	2.1	3	ug/m3	DFH
Vinyl bromide	06	593-60-2	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	BLOD		2.6	2.6	3	ug/m3	DFH
Vinyl chloride	06	75-01-4	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	5.4		1.5	1.5	3	ug/m3	DFH
Xylenes, Total	06	1330-20-7	EPA TO-15	06/24/2025 19:05	06/24/2025 19:05	9.1		7.8	7.8	3	ug/m3	DFH
Surr: 4-Bromofluorobenzene (Surr)	*06*		*107 %*	*80-120*	*06/24/2025 19:05*	*06/24/2025 19:05*						

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: **LFG-3** **Laboratory Sample ID:** **25F1824-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GC/TCD - Unadjusted, as received basis												
Methane	06	74-82-8	ASTM D1946	06/26/2025 15:04	06/26/2025 15:04	BLOD		0.45	0.45	9	Vol%	NSD

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: LFG-7 **Laboratory Sample ID:** 25F1824-07

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1,1-Trichloroethane	07	71-55-6	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		16	16	15	ug/m3	DFH
1,1,1,2-Tetrachloroethane	07	630-20-6	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		21	21	15	ug/m3	DFH
1,1,2,2-Tetrachloroethane	07	79-34-5	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		21	21	15	ug/m3	DFH
1,1,2-Trichloro-1,2,2-trifluoroethane	07	76-13-1	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		23	23	15	ug/m3	DFH
1,1,2-Trichloroethane	07	79-00-5	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		16	16	15	ug/m3	DFH
1,1-Dichloroethane	07	75-34-3	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		12	12	15	ug/m3	DFH
1,1-Dichloroethylene	07	75-35-4	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		12	12	15	ug/m3	DFH
1,2,4-Trimethylbenzene	07	95-63-6	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		15	15	15	ug/m3	DFH
1,2-Dibromoethane (EDB)	07	106-93-4	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		23	23	15	ug/m3	DFH
1,2-Dichlorobenzene	07	95-50-1	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		18	18	15	ug/m3	DFH
1,2-Dichloroethane	07	107-06-2	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		12	12	15	ug/m3	DFH
1,2-Dichloropropane	07	78-87-5	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		14	14	15	ug/m3	DFH
1,2-Dichlorotetrafluoroethane	07	76-14-2	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		21	21	15	ug/m3	DFH
1,3,5-Trimethylbenzene	07	108-67-8	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		15	15	15	ug/m3	DFH
1,3-Butadiene	07	106-99-0	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		6.6	6.6	15	ug/m3	DFH
1,3-Dichlorobenzene	07	541-73-1	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		18	18	15	ug/m3	DFH
1,4-Dichlorobenzene	07	106-46-7	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		18	18	15	ug/m3	DFH
1,4-Dioxane	07	123-91-1	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		11	11	15	ug/m3	DFH
2-Butanone (MEK)	07	78-93-3	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		8.8	8.8	15	ug/m3	DFH
4-Methyl-2-pentanone (MIBK)	07	108-10-1	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		34	34	15	ug/m3	DFH
Allyl chloride	07	107-05-1	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		9.4	9.4	15	ug/m3	DFH
Benzene	07	71-43-2	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	35		9.6	9.6	15	ug/m3	DFH
Benzyl Chloride	07	100-44-7	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		16	16	15	ug/m3	DFH

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: **LFG-7** **Laboratory Sample ID:** **25F1824-07**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromodichloromethane	07	75-27-4	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		20	20	15	ug/m3	DFH
Bromoform	07	75-25-2	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		31	31	15	ug/m3	DFH
Bromomethane	07	74-83-9	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		12	12	15	ug/m3	DFH
Carbon Disulfide	07	75-15-0	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	53		23	23	15	ug/m3	DFH
Carbon Tetrachloride	07	56-23-5	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		19	19	15	ug/m3	DFH
Chlorobenzene	07	108-90-7	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		14	14	15	ug/m3	DFH
Chloroethane	07	75-00-3	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		7.9	7.9	15	ug/m3	DFH
Chloroform	07	67-66-3	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		15	15	15	ug/m3	DFH
Chloromethane	07	74-87-3	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		6.2	6.2	15	ug/m3	DFH
cis-1,2-Dichloroethylene	07	156-59-2	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		12	12	15	ug/m3	DFH
cis-1,3-Dichloropropene	07	10061-01-5	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		14	14	15	ug/m3	DFH
Cyclohexane	07	110-82-7	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	29		10	10	15	ug/m3	DFH
Dichlorodifluoromethane	07	75-71-8	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		37	37	15	ug/m3	DFH
Ethyl acetate	07	141-78-6	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		11	11	15	ug/m3	DFH
Ethylbenzene	07	100-41-4	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		13	13	15	ug/m3	DFH
Heptane	07	142-82-5	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		12	12	15	ug/m3	DFH
Hexane	07	110-54-3	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	11		11	11	15	ug/m3	DFH
Isopropylbenzene	07	98-82-8	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		15	15	15	ug/m3	DFH
m+p-Xylenes	07	179601-23-1	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		26	26	15	ug/m3	DFH
Methyl methacrylate	07	80-62-6	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		12	12	15	ug/m3	DFH
Methylene chloride	07	75-09-2	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	28	J	26	52	15	ug/m3	DFH
Methyl-t-butyl ether (MTBE)	07	1634-04-4	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		11	11	15	ug/m3	DFH

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: **LFG-7** **Laboratory Sample ID:** **25F1824-07**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	07	91-20-3	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	17		1.9	16	15	ug/m3	DFH
o-Xylene	07	95-47-6	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		13	13	15	ug/m3	DFH
Propylene	07	115-07-1	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		26	26	15	ug/m3	DFH
Styrene	07	100-42-5	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		13	13	15	ug/m3	DFH
TBA	07	75-65-0	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		23	23	15	ug/m3	DFH
Tetrachloroethylene (PCE)	07	127-18-4	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		2.5	20	15	ug/m3	DFH
Tetrahydrofuran	07	109-99-9	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		8.8	8.8	15	ug/m3	DFH
Toluene	07	108-88-3	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		11	11	15	ug/m3	DFH
trans-1,2-Dichloroethylene	07	156-60-5	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		12	12	15	ug/m3	DFH
trans-1,3-Dichloropropene	07	10061-02-6	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		14	14	15	ug/m3	DFH
Trichloroethylene	07	79-01-6	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		1.4	16	15	ug/m3	DFH
Trichlorofluoromethane	07	75-69-4	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		17	17	15	ug/m3	DFH
Vinyl acetate	07	108-05-4	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		11	11	15	ug/m3	DFH
Vinyl bromide	07	593-60-2	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		13	13	15	ug/m3	DFH
Vinyl chloride	07	75-01-4	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	9.6		7.7	7.7	15	ug/m3	DFH
Xylenes, Total	07	1330-20-7	EPA TO-15	06/24/2025 20:32	06/24/2025 20:32	BLOD		39	39	15	ug/m3	DFH
Surr: 4-Bromofluorobenzene (Surr)	*07*	*91.4 %*	*80-120*	*06/24/2025 20:32*	*06/24/2025 20:32*							

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: **LFG-7** **Laboratory Sample ID:** **25F1824-07**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GC/TCD - Unadjusted, as received basis												
Methane	07	74-82-8	ASTM D1946	06/26/2025 17:02	06/26/2025 17:02	BLOD		0.45	0.45	9	Vol%	NSD

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: **LFG-11** **Laboratory Sample ID:** **25F1824-08**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1,1-Trichloroethane	08	71-55-6	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		8.2	8.2	7.5	ug/m3	DFH
1,1,1,2-Tetrachloroethane	08	630-20-6	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		10	10	7.5	ug/m3	DFH
1,1,2,2-Tetrachloroethane	08	79-34-5	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		10	10	7.5	ug/m3	DFH
1,1,2-Trichloro-1,2,2-trifluoroethane	08	76-13-1	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		11	11	7.5	ug/m3	DFH
1,1,2-Trichloroethane	08	79-00-5	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		8.2	8.2	7.5	ug/m3	DFH
1,1-Dichloroethane	08	75-34-3	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		6.1	6.1	7.5	ug/m3	DFH
1,1-Dichloroethylene	08	75-35-4	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		5.9	5.9	7.5	ug/m3	DFH
1,2,4-Trimethylbenzene	08	95-63-6	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		7.4	7.4	7.5	ug/m3	DFH
1,2-Dibromoethane (EDB)	08	106-93-4	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		12	12	7.5	ug/m3	DFH
1,2-Dichlorobenzene	08	95-50-1	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		9.0	9.0	7.5	ug/m3	DFH
1,2-Dichloroethane	08	107-06-2	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		6.1	6.1	7.5	ug/m3	DFH
1,2-Dichloropropane	08	78-87-5	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		6.9	6.9	7.5	ug/m3	DFH
1,2-Dichlorotetrafluoroethane	08	76-14-2	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		10	10	7.5	ug/m3	DFH
1,3,5-Trimethylbenzene	08	108-67-8	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		7.4	7.4	7.5	ug/m3	DFH
1,3-Butadiene	08	106-99-0	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		3.3	3.3	7.5	ug/m3	DFH
1,3-Dichlorobenzene	08	541-73-1	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	11		9.0	9.0	7.5	ug/m3	DFH
1,4-Dichlorobenzene	08	106-46-7	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		9.0	9.0	7.5	ug/m3	DFH
1,4-Dioxane	08	123-91-1	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		5.4	5.4	7.5	ug/m3	DFH
2-Butanone (MEK)	08	78-93-3	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	39		4.4	4.4	7.5	ug/m3	DFH
4-Methyl-2-pentanone (MIBK)	08	108-10-1	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		17	17	7.5	ug/m3	DFH
Allyl chloride	08	107-05-1	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		4.7	4.7	7.5	ug/m3	DFH
Benzene	08	71-43-2	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		4.8	4.8	7.5	ug/m3	DFH
Benzyl Chloride	08	100-44-7	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		7.8	7.8	7.5	ug/m3	DFH

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: LFG-11 **Laboratory Sample ID:** 25F1824-08

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromodichloromethane	08	75-27-4	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		10	10	7.5	ug/m3	DFH
Bromoform	08	75-25-2	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		16	16	7.5	ug/m3	DFH
Bromomethane	08	74-83-9	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		5.8	5.8	7.5	ug/m3	DFH
Carbon Disulfide	08	75-15-0	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	220		12	12	7.5	ug/m3	DFH
Carbon Tetrachloride	08	56-23-5	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		9.4	9.4	7.5	ug/m3	DFH
Chlorobenzene	08	108-90-7	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		6.9	6.9	7.5	ug/m3	DFH
Chloroethane	08	75-00-3	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		4.0	4.0	7.5	ug/m3	DFH
Chloroform	08	67-66-3	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		7.3	7.3	7.5	ug/m3	DFH
Chloromethane	08	74-87-3	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		3.1	3.1	7.5	ug/m3	DFH
cis-1,2-Dichloroethylene	08	156-59-2	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		5.9	5.9	7.5	ug/m3	DFH
cis-1,3-Dichloropropene	08	10061-01-5	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		6.8	6.8	7.5	ug/m3	DFH
Cyclohexane	08	110-82-7	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	5.4		5.2	5.2	7.5	ug/m3	DFH
Dichlorodifluoromethane	08	75-71-8	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		19	19	7.5	ug/m3	DFH
Ethyl acetate	08	141-78-6	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		5.4	5.4	7.5	ug/m3	DFH
Ethylbenzene	08	100-41-4	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		6.5	6.5	7.5	ug/m3	DFH
Heptane	08	142-82-5	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		6.1	6.1	7.5	ug/m3	DFH
Hexane	08	110-54-3	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	6.6		5.3	5.3	7.5	ug/m3	DFH
Isopropylbenzene	08	98-82-8	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		7.4	7.4	7.5	ug/m3	DFH
m+p-Xylenes	08	179601-23-1	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		13	13	7.5	ug/m3	DFH
Methyl methacrylate	08	80-62-6	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		6.1	6.1	7.5	ug/m3	DFH
Methylene chloride	08	75-09-2	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		13	26	7.5	ug/m3	DFH
Methyl-t-butyl ether (MTBE)	08	1634-04-4	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		5.4	5.4	7.5	ug/m3	DFH

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: **LFG-11** **Laboratory Sample ID:** **25F1824-08**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	08	91-20-3	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	12		0.94	7.9	7.5	ug/m3	DFH
o-Xylene	08	95-47-6	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		6.5	6.5	7.5	ug/m3	DFH
Propylene	08	115-07-1	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	17		13	13	7.5	ug/m3	DFH
Styrene	08	100-42-5	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		6.4	6.4	7.5	ug/m3	DFH
TBA	08	75-65-0	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	39		11	11	7.5	ug/m3	DFH
Tetrachloroethylene (PCE)	08	127-18-4	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	5.6	J	1.3	10	7.5	ug/m3	DFH
Tetrahydrofuran	08	109-99-9	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		4.4	4.4	7.5	ug/m3	DFH
Toluene	08	108-88-3	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		5.7	5.7	7.5	ug/m3	DFH
trans-1,2-Dichloroethylene	08	156-60-5	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		5.9	5.9	7.5	ug/m3	DFH
trans-1,3-Dichloropropene	08	10061-02-6	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		6.8	6.8	7.5	ug/m3	DFH
Trichloroethylene	08	79-01-6	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		0.69	8.1	7.5	ug/m3	DFH
Trichlorofluoromethane	08	75-69-4	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		8.4	8.4	7.5	ug/m3	DFH
Vinyl acetate	08	108-05-4	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		5.3	5.3	7.5	ug/m3	DFH
Vinyl bromide	08	593-60-2	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		6.6	6.6	7.5	ug/m3	DFH
Vinyl chloride	08	75-01-4	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		3.8	3.8	7.5	ug/m3	DFH
Xylenes, Total	08	1330-20-7	EPA TO-15	06/24/2025 22:43	06/24/2025 22:43	BLOD		20	20	7.5	ug/m3	DFH
Surr: 4-Bromofluorobenzene (Surr)	*08*		*103 %*	*80-120*	*06/24/2025 22:43*	*06/24/2025 22:43*						

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: **LFG-11** **Laboratory Sample ID:** **25F1824-08**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GC/TCD - Unadjusted, as received basis												
Methane	08	74-82-8	ASTM D1946	06/26/2025 17:46	06/26/2025 17:46	BLOD		0.45	0.45	9	Vol%	NSD

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: **LFG-6** **Laboratory Sample ID:** **25F1824-09**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1,1-Trichloroethane	09	71-55-6	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	BLOD		33	33	30	ug/m3	DFH
1,1,1,2-Tetrachloroethane	09	630-20-6	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	BLOD		41	41	30	ug/m3	DFH
1,1,2,2-Tetrachloroethane	09	79-34-5	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	BLOD		41	41	30	ug/m3	DFH
1,1,2-Trichloro-1,2,2-trifluoroethane	09	76-13-1	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	BLOD		46	46	30	ug/m3	DFH
1,1,2-Trichloroethane	09	79-00-5	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	BLOD		33	33	30	ug/m3	DFH
1,1-Dichloroethane	09	75-34-3	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	BLOD		24	24	30	ug/m3	DFH
1,1-Dichloroethylene	09	75-35-4	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	BLOD		24	24	30	ug/m3	DFH
1,2,4-Trimethylbenzene	09	95-63-6	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	63		29	29	30	ug/m3	DFH
1,2-Dibromoethane (EDB)	09	106-93-4	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	BLOD		46	46	30	ug/m3	DFH
1,2-Dichlorobenzene	09	95-50-1	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	BLOD		36	36	30	ug/m3	DFH
1,2-Dichloroethane	09	107-06-2	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	BLOD		24	24	30	ug/m3	DFH
1,2-Dichloropropane	09	78-87-5	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	BLOD		28	28	30	ug/m3	DFH
1,2-Dichlorotetrafluoroethane	09	76-14-2	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	BLOD		42	42	30	ug/m3	DFH
1,3,5-Trimethylbenzene	09	108-67-8	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	37		29	29	30	ug/m3	DFH
1,3-Butadiene	09	106-99-0	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	BLOD		13	13	30	ug/m3	DFH
1,3-Dichlorobenzene	09	541-73-1	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	BLOD		36	36	30	ug/m3	DFH
1,4-Dichlorobenzene	09	106-46-7	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	1300		36	36	30	ug/m3	DFH
1,4-Dioxane	09	123-91-1	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	BLOD		22	22	30	ug/m3	DFH
2-Butanone (MEK)	09	78-93-3	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	BLOD		18	18	30	ug/m3	DFH
4-Methyl-2-pentanone (MIBK)	09	108-10-1	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	BLOD		69	69	30	ug/m3	DFH
Allyl chloride	09	107-05-1	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	BLOD		19	19	30	ug/m3	DFH
Benzene	09	71-43-2	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	1400		19	19	30	ug/m3	DFH
Benzyl Chloride	09	100-44-7	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	BLOD		31	31	30	ug/m3	DFH

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: **LFG-6** **Laboratory Sample ID:** **25F1824-09**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromodichloromethane	09	75-27-4	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	BLOD		40	40	30	ug/m3	DFH
Bromoform	09	75-25-2	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	BLOD		62	62	30	ug/m3	DFH
Bromomethane	09	74-83-9	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	BLOD		23	23	30	ug/m3	DFH
Carbon Disulfide	09	75-15-0	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	BLOD		47	47	30	ug/m3	DFH
Carbon Tetrachloride	09	56-23-5	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	BLOD		38	38	30	ug/m3	DFH
Chloroethane	09	75-00-3	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	BLOD		16	16	30	ug/m3	DFH
Chloroform	09	67-66-3	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	BLOD		29	29	30	ug/m3	DFH
Chloromethane	09	74-87-3	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	BLOD		12	12	30	ug/m3	DFH
cis-1,2-Dichloroethylene	09	156-59-2	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	BLOD		24	24	30	ug/m3	DFH
cis-1,3-Dichloropropene	09	10061-01-5	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	BLOD		27	27	30	ug/m3	DFH
Cyclohexane	09	110-82-7	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	130		21	21	30	ug/m3	DFH
Dichlorodifluoromethane	09	75-71-8	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	BLOD		74	74	30	ug/m3	DFH
Ethyl acetate	09	141-78-6	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	BLOD		22	22	30	ug/m3	DFH
Ethylbenzene	09	100-41-4	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	76		26	26	30	ug/m3	DFH
Heptane	09	142-82-5	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	660		25	25	30	ug/m3	DFH
Hexane	09	110-54-3	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	280		21	21	30	ug/m3	DFH
Isopropylbenzene	09	98-82-8	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	BLOD		29	29	30	ug/m3	DFH
m+p-Xylenes	09	179601-23-1	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	BLOD		52	52	30	ug/m3	DFH
Methyl methacrylate	09	80-62-6	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	BLOD		25	25	30	ug/m3	DFH
Methylene chloride	09	75-09-2	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	BLOD		52	100	30	ug/m3	DFH
Methyl-t-butyl ether (MTBE)	09	1634-04-4	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	BLOD		22	22	30	ug/m3	DFH
Naphthalene	09	91-20-3	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	57		3.7	31	30	ug/m3	DFH

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: **LFG-6** **Laboratory Sample ID:** **25F1824-09**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
o-Xylene	09	95-47-6	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	39		26	26	30	ug/m3	DFH
Propylene	09	115-07-1	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	70		52	52	30	ug/m3	DFH
Styrene	09	100-42-5	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	BLOD		26	26	30	ug/m3	DFH
TBA	09	75-65-0	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	BLOD		45	45	30	ug/m3	DFH
Tetrachloroethylene (PCE)	09	127-18-4	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	BLOD		5.0	41	30	ug/m3	DFH
Tetrahydrofuran	09	109-99-9	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	BLOD		18	18	30	ug/m3	DFH
Toluene	09	108-88-3	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	44		23	23	30	ug/m3	DFH
trans-1,2-Dichloroethylene	09	156-60-5	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	BLOD		24	24	30	ug/m3	DFH
trans-1,3-Dichloropropene	09	10061-02-6	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	BLOD		27	27	30	ug/m3	DFH
Trichloroethylene	09	79-01-6	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	BLOD		2.8	32	30	ug/m3	DFH
Trichlorofluoromethane	09	75-69-4	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	BLOD		34	34	30	ug/m3	DFH
Vinyl acetate	09	108-05-4	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	BLOD		21	21	30	ug/m3	DFH
Vinyl bromide	09	593-60-2	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	BLOD		26	26	30	ug/m3	DFH
Vinyl chloride	09	75-01-4	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	BLOD		15	15	30	ug/m3	DFH
Xylenes, Total	09	1330-20-7	EPA TO-15	06/25/2025 00:09	06/25/2025 00:09	83		78	78	30	ug/m3	DFH
Surr: 4-Bromofluorobenzene (Surr)	*09*	*103 %*	*80-120*	*06/25/2025 00:09*	*06/25/2025 00:09*							

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: **LFG-6** **Laboratory Sample ID:** **25F1824-09**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GC/TCD - Unadjusted, as received basis												
Methane	09	74-82-8	ASTM D1946	06/25/2025 13:27	06/25/2025 13:27	14.8		0.45	0.45	9	Vol%	NSD

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: **LFG-6** **Laboratory Sample ID:** **25F1824-09**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Chlorobenzene	09RE1	108-90-7	EPA TO-15	06/26/2025 09:26	06/26/2025 09:26	23000		500	500	540	ug/m3	DFH
Surr: 4-Bromofluorobenzene (Surr)	*09RE1*	*93.0 %*	*80-120*	*06/26/2025 09:26*	*06/26/2025 09:26*							

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: **LFG-1** **Laboratory Sample ID:** **25F1824-10**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1,1-Trichloroethane	10	71-55-6	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		8.2	8.2	7.5	ug/m3	DFH
1,1,1,2-Tetrachloroethane	10	630-20-6	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		10	10	7.5	ug/m3	DFH
1,1,2,2-Tetrachloroethane	10	79-34-5	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		10	10	7.5	ug/m3	DFH
1,1,2-Trichloro-1,2,2-trifluoroethane	10	76-13-1	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		11	11	7.5	ug/m3	DFH
1,1,2-Trichloroethane	10	79-00-5	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		8.2	8.2	7.5	ug/m3	DFH
1,1-Dichloroethane	10	75-34-3	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		6.1	6.1	7.5	ug/m3	DFH
1,1-Dichloroethylene	10	75-35-4	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		5.9	5.9	7.5	ug/m3	DFH
1,2,4-Trimethylbenzene	10	95-63-6	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	7.7		7.4	7.4	7.5	ug/m3	DFH
1,2-Dibromoethane (EDB)	10	106-93-4	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		12	12	7.5	ug/m3	DFH
1,2-Dichlorobenzene	10	95-50-1	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		9.0	9.0	7.5	ug/m3	DFH
1,2-Dichloroethane	10	107-06-2	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		6.1	6.1	7.5	ug/m3	DFH
1,2-Dichloropropane	10	78-87-5	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		6.9	6.9	7.5	ug/m3	DFH
1,2-Dichlorotetrafluoroethane	10	76-14-2	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		10	10	7.5	ug/m3	DFH
1,3,5-Trimethylbenzene	10	108-67-8	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		7.4	7.4	7.5	ug/m3	DFH
1,3-Butadiene	10	106-99-0	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		3.3	3.3	7.5	ug/m3	DFH
1,3-Dichlorobenzene	10	541-73-1	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		9.0	9.0	7.5	ug/m3	DFH
1,4-Dichlorobenzene	10	106-46-7	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	71		9.0	9.0	7.5	ug/m3	DFH
1,4-Dioxane	10	123-91-1	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		5.4	5.4	7.5	ug/m3	DFH
2-Butanone (MEK)	10	78-93-3	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		4.4	4.4	7.5	ug/m3	DFH
4-Methyl-2-pentanone (MIBK)	10	108-10-1	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		17	17	7.5	ug/m3	DFH
Allyl chloride	10	107-05-1	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		4.7	4.7	7.5	ug/m3	DFH
Benzene	10	71-43-2	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		4.8	4.8	7.5	ug/m3	DFH
Benzyl Chloride	10	100-44-7	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		7.8	7.8	7.5	ug/m3	DFH

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: **LFG-1** **Laboratory Sample ID:** **25F1824-10**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromodichloromethane	10	75-27-4	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		10	10	7.5	ug/m3	DFH
Bromoform	10	75-25-2	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		16	16	7.5	ug/m3	DFH
Bromomethane	10	74-83-9	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		5.8	5.8	7.5	ug/m3	DFH
Carbon Disulfide	10	75-15-0	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	28		12	12	7.5	ug/m3	DFH
Carbon Tetrachloride	10	56-23-5	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		9.4	9.4	7.5	ug/m3	DFH
Chlorobenzene	10	108-90-7	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	290		6.9	6.9	7.5	ug/m3	DFH
Chloroethane	10	75-00-3	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		4.0	4.0	7.5	ug/m3	DFH
Chloroform	10	67-66-3	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		7.3	7.3	7.5	ug/m3	DFH
Chloromethane	10	74-87-3	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		3.1	3.1	7.5	ug/m3	DFH
cis-1,2-Dichloroethylene	10	156-59-2	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		5.9	5.9	7.5	ug/m3	DFH
cis-1,3-Dichloropropene	10	10061-01-5	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		6.8	6.8	7.5	ug/m3	DFH
Cyclohexane	10	110-82-7	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		5.2	5.2	7.5	ug/m3	DFH
Dichlorodifluoromethane	10	75-71-8	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		19	19	7.5	ug/m3	DFH
Ethyl acetate	10	141-78-6	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		5.4	5.4	7.5	ug/m3	DFH
Ethylbenzene	10	100-41-4	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		6.5	6.5	7.5	ug/m3	DFH
Heptane	10	142-82-5	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		6.1	6.1	7.5	ug/m3	DFH
Hexane	10	110-54-3	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		5.3	5.3	7.5	ug/m3	DFH
Isopropylbenzene	10	98-82-8	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		7.4	7.4	7.5	ug/m3	DFH
m+p-Xylenes	10	179601-23-1	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		13	13	7.5	ug/m3	DFH
Methyl methacrylate	10	80-62-6	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		6.1	6.1	7.5	ug/m3	DFH
Methylene chloride	10	75-09-2	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		13	26	7.5	ug/m3	DFH
Methyl-t-butyl ether (MTBE)	10	1634-04-4	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		5.4	5.4	7.5	ug/m3	DFH

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: **LFG-1** **Laboratory Sample ID:** **25F1824-10**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	10	91-20-3	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	48		0.94	7.9	7.5	ug/m3	DFH
o-Xylene	10	95-47-6	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		6.5	6.5	7.5	ug/m3	DFH
Propylene	10	115-07-1	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		13	13	7.5	ug/m3	DFH
Styrene	10	100-42-5	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		6.4	6.4	7.5	ug/m3	DFH
TBA	10	75-65-0	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		11	11	7.5	ug/m3	DFH
Tetrachloroethylene (PCE)	10	127-18-4	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	5.6	J	1.3	10	7.5	ug/m3	DFH
Tetrahydrofuran	10	109-99-9	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		4.4	4.4	7.5	ug/m3	DFH
Toluene	10	108-88-3	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	7.3		5.7	5.7	7.5	ug/m3	DFH
trans-1,2-Dichloroethylene	10	156-60-5	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		5.9	5.9	7.5	ug/m3	DFH
trans-1,3-Dichloropropene	10	10061-02-6	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		6.8	6.8	7.5	ug/m3	DFH
Trichloroethylene	10	79-01-6	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		0.69	8.1	7.5	ug/m3	DFH
Trichlorofluoromethane	10	75-69-4	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		8.4	8.4	7.5	ug/m3	DFH
Vinyl acetate	10	108-05-4	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		5.3	5.3	7.5	ug/m3	DFH
Vinyl bromide	10	593-60-2	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		6.6	6.6	7.5	ug/m3	DFH
Vinyl chloride	10	75-01-4	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		3.8	3.8	7.5	ug/m3	DFH
Xylenes, Total	10	1330-20-7	EPA TO-15	06/25/2025 03:46	06/25/2025 03:46	BLOD		20	20	7.5	ug/m3	DFH
Surr: 4-Bromofluorobenzene (Surr)	*10*	*96.8 %*	*80-120*	*06/25/2025 03:46*	*06/25/2025 03:46*							

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: **LFG-1** **Laboratory Sample ID:** **25F1824-10**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GC/TCD - Unadjusted, as received basis												
Methane	10	74-82-8	ASTM D1946	06/27/2025 19:24	06/27/2025 19:24	BLOD		0.45	0.45	9	Vol%	NSD

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: **LFG-4** **Laboratory Sample ID:** **25F1824-11**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1,1-Trichloroethane	11	71-55-6	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		8.2	8.2	7.5	ug/m3	DFH
1,1,1,2-Tetrachloroethane	11	630-20-6	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		10	10	7.5	ug/m3	DFH
1,1,2,2-Tetrachloroethane	11	79-34-5	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		10	10	7.5	ug/m3	DFH
1,1,2-Trichloro-1,2,2-trifluoroethane	11	76-13-1	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		11	11	7.5	ug/m3	DFH
1,1,2-Trichloroethane	11	79-00-5	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		8.2	8.2	7.5	ug/m3	DFH
1,1-Dichloroethane	11	75-34-3	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		6.1	6.1	7.5	ug/m3	DFH
1,1-Dichloroethylene	11	75-35-4	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		5.9	5.9	7.5	ug/m3	DFH
1,2,4-Trimethylbenzene	11	95-63-6	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		7.4	7.4	7.5	ug/m3	DFH
1,2-Dibromoethane (EDB)	11	106-93-4	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		12	12	7.5	ug/m3	DFH
1,2-Dichlorobenzene	11	95-50-1	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		9.0	9.0	7.5	ug/m3	DFH
1,2-Dichloroethane	11	107-06-2	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		6.1	6.1	7.5	ug/m3	DFH
1,2-Dichloropropane	11	78-87-5	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		6.9	6.9	7.5	ug/m3	DFH
1,2-Dichlorotetrafluoroethane	11	76-14-2	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		10	10	7.5	ug/m3	DFH
1,3,5-Trimethylbenzene	11	108-67-8	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		7.4	7.4	7.5	ug/m3	DFH
1,3-Butadiene	11	106-99-0	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		3.3	3.3	7.5	ug/m3	DFH
1,3-Dichlorobenzene	11	541-73-1	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		9.0	9.0	7.5	ug/m3	DFH
1,4-Dichlorobenzene	11	106-46-7	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		9.0	9.0	7.5	ug/m3	DFH
1,4-Dioxane	11	123-91-1	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		5.4	5.4	7.5	ug/m3	DFH
2-Butanone (MEK)	11	78-93-3	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	27		4.4	4.4	7.5	ug/m3	DFH
4-Methyl-2-pentanone (MIBK)	11	108-10-1	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		17	17	7.5	ug/m3	DFH
Allyl chloride	11	107-05-1	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		4.7	4.7	7.5	ug/m3	DFH
Benzene	11	71-43-2	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		4.8	4.8	7.5	ug/m3	DFH
Benzyl Chloride	11	100-44-7	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		7.8	7.8	7.5	ug/m3	DFH

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: **LFG-4** **Laboratory Sample ID:** **25F1824-11**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromodichloromethane	11	75-27-4	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		10	10	7.5	ug/m3	DFH
Bromoform	11	75-25-2	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		16	16	7.5	ug/m3	DFH
Bromomethane	11	74-83-9	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		5.8	5.8	7.5	ug/m3	DFH
Carbon Disulfide	11	75-15-0	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	93		12	12	7.5	ug/m3	DFH
Carbon Tetrachloride	11	56-23-5	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		9.4	9.4	7.5	ug/m3	DFH
Chlorobenzene	11	108-90-7	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		6.9	6.9	7.5	ug/m3	DFH
Chloroethane	11	75-00-3	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		4.0	4.0	7.5	ug/m3	DFH
Chloroform	11	67-66-3	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		7.3	7.3	7.5	ug/m3	DFH
Chloromethane	11	74-87-3	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		3.1	3.1	7.5	ug/m3	DFH
cis-1,2-Dichloroethylene	11	156-59-2	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		5.9	5.9	7.5	ug/m3	DFH
cis-1,3-Dichloropropene	11	10061-01-5	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		6.8	6.8	7.5	ug/m3	DFH
Cyclohexane	11	110-82-7	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		5.2	5.2	7.5	ug/m3	DFH
Dichlorodifluoromethane	11	75-71-8	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	21		19	19	7.5	ug/m3	DFH
Ethyl acetate	11	141-78-6	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		5.4	5.4	7.5	ug/m3	DFH
Ethylbenzene	11	100-41-4	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		6.5	6.5	7.5	ug/m3	DFH
Heptane	11	142-82-5	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	14		6.1	6.1	7.5	ug/m3	DFH
Hexane	11	110-54-3	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	11		5.3	5.3	7.5	ug/m3	DFH
Isopropylbenzene	11	98-82-8	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		7.4	7.4	7.5	ug/m3	DFH
m+p-Xylenes	11	179601-23-1	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		13	13	7.5	ug/m3	DFH
Methyl methacrylate	11	80-62-6	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		6.1	6.1	7.5	ug/m3	DFH
Methylene chloride	11	75-09-2	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		13	26	7.5	ug/m3	DFH
Methyl-t-butyl ether (MTBE)	11	1634-04-4	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		5.4	5.4	7.5	ug/m3	DFH

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: **LFG-4** **Laboratory Sample ID:** **25F1824-11**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	11	91-20-3	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	10		0.94	7.9	7.5	ug/m3	DFH
o-Xylene	11	95-47-6	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		6.5	6.5	7.5	ug/m3	DFH
Propylene	11	115-07-1	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		13	13	7.5	ug/m3	DFH
Styrene	11	100-42-5	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		6.4	6.4	7.5	ug/m3	DFH
TBA	11	75-65-0	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	30		11	11	7.5	ug/m3	DFH
Tetrachloroethylene (PCE)	11	127-18-4	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	5.1	J	1.3	10	7.5	ug/m3	DFH
Tetrahydrofuran	11	109-99-9	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		4.4	4.4	7.5	ug/m3	DFH
Toluene	11	108-88-3	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		5.7	5.7	7.5	ug/m3	DFH
trans-1,2-Dichloroethylene	11	156-60-5	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		5.9	5.9	7.5	ug/m3	DFH
trans-1,3-Dichloropropene	11	10061-02-6	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		6.8	6.8	7.5	ug/m3	DFH
Trichloroethylene	11	79-01-6	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		0.69	8.1	7.5	ug/m3	DFH
Trichlorofluoromethane	11	75-69-4	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		8.4	8.4	7.5	ug/m3	DFH
Vinyl acetate	11	108-05-4	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		5.3	5.3	7.5	ug/m3	DFH
Vinyl bromide	11	593-60-2	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		6.6	6.6	7.5	ug/m3	DFH
Vinyl chloride	11	75-01-4	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		3.8	3.8	7.5	ug/m3	DFH
Xylenes, Total	11	1330-20-7	EPA TO-15	06/25/2025 11:41	06/25/2025 11:41	BLOD		20	20	7.5	ug/m3	DFH
Surr: 4-Bromofluorobenzene (Surr)	*11*	*98.0 %*	*80-120*	*06/25/2025 11:41*	*06/25/2025 11:41*							

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: **LFG-4** **Laboratory Sample ID:** **25F1824-11**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GC/TCD - Unadjusted, as received basis												
Methane	11	74-82-8	ASTM D1946	06/27/2025 20:09	06/27/2025 20:09	BLOD		0.45	0.45	9	Vol%	NSD

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: **LFG-2** **Laboratory Sample ID:** **25F1824-12**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1,1-Trichloroethane	12	71-55-6	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	BLOD		1.6	1.6	1.5	ug/m3	DFH
1,1,1,2-Tetrachloroethane	12	630-20-6	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	BLOD		2.1	2.1	1.5	ug/m3	DFH
1,1,2,2-Tetrachloroethane	12	79-34-5	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	BLOD		2.1	2.1	1.5	ug/m3	DFH
1,1,2-Trichloro-1,2,2-trifluoroethane	12	76-13-1	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	BLOD		2.3	2.3	1.5	ug/m3	DFH
1,1,2-Trichloroethane	12	79-00-5	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	BLOD		1.6	1.6	1.5	ug/m3	DFH
1,1-Dichloroethane	12	75-34-3	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	BLOD		1.2	1.2	1.5	ug/m3	DFH
1,1-Dichloroethylene	12	75-35-4	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	BLOD		1.2	1.2	1.5	ug/m3	DFH
1,2,4-Trimethylbenzene	12	95-63-6	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	3.5		1.5	1.5	1.5	ug/m3	DFH
1,2-Dibromoethane (EDB)	12	106-93-4	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	BLOD		2.3	2.3	1.5	ug/m3	DFH
1,2-Dichlorobenzene	12	95-50-1	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	BLOD		1.8	1.8	1.5	ug/m3	DFH
1,2-Dichloroethane	12	107-06-2	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	BLOD		1.2	1.2	1.5	ug/m3	DFH
1,2-Dichloropropane	12	78-87-5	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	BLOD		1.4	1.4	1.5	ug/m3	DFH
1,2-Dichlorotetrafluoroethane	12	76-14-2	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	BLOD		2.1	2.1	1.5	ug/m3	DFH
1,3,5-Trimethylbenzene	12	108-67-8	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	1.6		1.5	1.5	1.5	ug/m3	DFH
1,3-Butadiene	12	106-99-0	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	BLOD		0.66	0.66	1.5	ug/m3	DFH
1,3-Dichlorobenzene	12	541-73-1	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	BLOD		1.8	1.8	1.5	ug/m3	DFH
1,4-Dichlorobenzene	12	106-46-7	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	2.3		1.8	1.8	1.5	ug/m3	DFH
1,4-Dioxane	12	123-91-1	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	BLOD		1.1	1.1	1.5	ug/m3	DFH
2-Butanone (MEK)	12	78-93-3	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	7.1		0.88	0.88	1.5	ug/m3	DFH
4-Methyl-2-pentanone (MIBK)	12	108-10-1	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	BLOD		3.4	3.4	1.5	ug/m3	DFH
Allyl chloride	12	107-05-1	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	BLOD		0.94	0.94	1.5	ug/m3	DFH
Benzene	12	71-43-2	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	1.3		0.96	0.96	1.5	ug/m3	DFH
Benzyl Chloride	12	100-44-7	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	BLOD		1.6	1.6	1.5	ug/m3	DFH

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: **LFG-2** **Laboratory Sample ID:** **25F1824-12**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromodichloromethane	12	75-27-4	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	BLOD		2.0	2.0	1.5	ug/m3	DFH
Bromoform	12	75-25-2	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	BLOD		3.1	3.1	1.5	ug/m3	DFH
Bromomethane	12	74-83-9	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	BLOD		1.2	1.2	1.5	ug/m3	DFH
Carbon Disulfide	12	75-15-0	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	40		2.3	2.3	1.5	ug/m3	DFH
Carbon Tetrachloride	12	56-23-5	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	BLOD		1.9	1.9	1.5	ug/m3	DFH
Chlorobenzene	12	108-90-7	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	3.0		1.4	1.4	1.5	ug/m3	DFH
Chloroethane	12	75-00-3	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	BLOD		0.79	0.79	1.5	ug/m3	DFH
Chloroform	12	67-66-3	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	BLOD		1.5	1.5	1.5	ug/m3	DFH
Chloromethane	12	74-87-3	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	1.1		0.62	0.62	1.5	ug/m3	DFH
cis-1,2-Dichloroethylene	12	156-59-2	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	BLOD		1.2	1.2	1.5	ug/m3	DFH
cis-1,3-Dichloropropene	12	10061-01-5	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	BLOD		1.4	1.4	1.5	ug/m3	DFH
Cyclohexane	12	110-82-7	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	1.5		1.0	1.0	1.5	ug/m3	DFH
Dichlorodifluoromethane	12	75-71-8	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	57		3.7	3.7	1.5	ug/m3	DFH
Ethyl acetate	12	141-78-6	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	BLOD		1.1	1.1	1.5	ug/m3	DFH
Ethylbenzene	12	100-41-4	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	2.9		1.3	1.3	1.5	ug/m3	DFH
Heptane	12	142-82-5	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	11		1.2	1.2	1.5	ug/m3	DFH
Hexane	12	110-54-3	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	11		1.1	1.1	1.5	ug/m3	DFH
Isopropylbenzene	12	98-82-8	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	1.7		1.5	1.5	1.5	ug/m3	DFH
m+p-Xylenes	12	179601-23-1	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	9.6		2.6	2.6	1.5	ug/m3	DFH
Methyl methacrylate	12	80-62-6	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	BLOD		1.2	1.2	1.5	ug/m3	DFH
Methylene chloride	12	75-09-2	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	8.3		2.6	5.2	1.5	ug/m3	DFH
Methyl-t-butyl ether (MTBE)	12	1634-04-4	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	BLOD		1.1	1.1	1.5	ug/m3	DFH

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: **LFG-2** **Laboratory Sample ID:** **25F1824-12**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	12	91-20-3	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	7.2		0.19	1.6	1.5	ug/m3	DFH
o-Xylene	12	95-47-6	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	4.8		1.3	1.3	1.5	ug/m3	DFH
Propylene	12	115-07-1	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	BLOD		2.6	2.6	1.5	ug/m3	DFH
Styrene	12	100-42-5	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	1.9		1.3	1.3	1.5	ug/m3	DFH
TBA	12	75-65-0	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	13		2.3	2.3	1.5	ug/m3	DFH
Tetrachloroethylene (PCE)	12	127-18-4	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	8.4		0.25	2.0	1.5	ug/m3	DFH
Tetrahydrofuran	12	109-99-9	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	BLOD		0.88	0.88	1.5	ug/m3	DFH
Toluene	12	108-88-3	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	3.5		1.1	1.1	1.5	ug/m3	DFH
trans-1,2-Dichloroethylene	12	156-60-5	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	BLOD		1.2	1.2	1.5	ug/m3	DFH
trans-1,3-Dichloropropene	12	10061-02-6	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	BLOD		1.4	1.4	1.5	ug/m3	DFH
Trichloroethylene	12	79-01-6	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	BLOD		0.14	1.6	1.5	ug/m3	DFH
Trichlorofluoromethane	12	75-69-4	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	2.0		1.7	1.7	1.5	ug/m3	DFH
Vinyl acetate	12	108-05-4	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	BLOD		1.1	1.1	1.5	ug/m3	DFH
Vinyl bromide	12	593-60-2	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	BLOD		1.3	1.3	1.5	ug/m3	DFH
Vinyl chloride	12	75-01-4	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	BLOD		0.77	0.77	1.5	ug/m3	DFH
Xylenes, Total	12	1330-20-7	EPA TO-15	06/25/2025 14:41	06/25/2025 14:41	14		3.9	3.9	1.5	ug/m3	DFH
Surr: 4-Bromofluorobenzene (Surr)	*12*		*108 %*	*80-120*	*06/25/2025 14:41*	*06/25/2025 14:41*						

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: **LFG-2** **Laboratory Sample ID:** **25F1824-12**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GC/TCD - Unadjusted, as received basis												
Methane	12	74-82-8	ASTM D1946	06/27/2025 20:54	06/27/2025 20:54	BLOD		0.45	0.45	9	Vol%	NSD

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: **Dup-6122025-SG** **Laboratory Sample ID:** **25F1824-13**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1,1-Trichloroethane	13	71-55-6	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	BLOD		1.6	1.6	1.5	ug/m3	DFH
1,1,1,2-Tetrachloroethane	13	630-20-6	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	BLOD		2.1	2.1	1.5	ug/m3	DFH
1,1,2,2-Tetrachloroethane	13	79-34-5	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	BLOD		2.1	2.1	1.5	ug/m3	DFH
1,1,2-Trichloro-1,2,2-trifluoroethane	13	76-13-1	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	BLOD		2.3	2.3	1.5	ug/m3	DFH
1,1,2-Trichloroethane	13	79-00-5	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	BLOD		1.6	1.6	1.5	ug/m3	DFH
1,1-Dichloroethane	13	75-34-3	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	BLOD		1.2	1.2	1.5	ug/m3	DFH
1,1-Dichloroethylene	13	75-35-4	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	BLOD		1.2	1.2	1.5	ug/m3	DFH
1,2,4-Trimethylbenzene	13	95-63-6	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	5.6		1.5	1.5	1.5	ug/m3	DFH
1,2-Dibromoethane (EDB)	13	106-93-4	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	BLOD		2.3	2.3	1.5	ug/m3	DFH
1,2-Dichlorobenzene	13	95-50-1	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	BLOD		1.8	1.8	1.5	ug/m3	DFH
1,2-Dichloroethane	13	107-06-2	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	BLOD		1.2	1.2	1.5	ug/m3	DFH
1,2-Dichloropropane	13	78-87-5	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	BLOD		1.4	1.4	1.5	ug/m3	DFH
1,2-Dichlorotetrafluoroethane	13	76-14-2	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	BLOD		2.1	2.1	1.5	ug/m3	DFH
1,3,5-Trimethylbenzene	13	108-67-8	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	1.6		1.5	1.5	1.5	ug/m3	DFH
1,3-Butadiene	13	106-99-0	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	BLOD		0.66	0.66	1.5	ug/m3	DFH
1,3-Dichlorobenzene	13	541-73-1	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	BLOD		1.8	1.8	1.5	ug/m3	DFH
1,4-Dichlorobenzene	13	106-46-7	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	3.7		1.8	1.8	1.5	ug/m3	DFH
1,4-Dioxane	13	123-91-1	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	BLOD		1.1	1.1	1.5	ug/m3	DFH
2-Butanone (MEK)	13	78-93-3	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	12		0.88	0.88	1.5	ug/m3	DFH
4-Methyl-2-pentanone (MIBK)	13	108-10-1	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	5.0		3.4	3.4	1.5	ug/m3	DFH
Allyl chloride	13	107-05-1	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	BLOD		0.94	0.94	1.5	ug/m3	DFH
Benzene	13	71-43-2	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	1.2		0.96	0.96	1.5	ug/m3	DFH
Benzyl Chloride	13	100-44-7	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	BLOD		1.6	1.6	1.5	ug/m3	DFH

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: **Dup-6122025-SG** **Laboratory Sample ID:** **25F1824-13**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromodichloromethane	13	75-27-4	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	BLOD		2.0	2.0	1.5	ug/m3	DFH
Bromoform	13	75-25-2	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	BLOD		3.1	3.1	1.5	ug/m3	DFH
Bromomethane	13	74-83-9	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	BLOD		1.2	1.2	1.5	ug/m3	DFH
Carbon Disulfide	13	75-15-0	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	42		2.3	2.3	1.5	ug/m3	DFH
Carbon Tetrachloride	13	56-23-5	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	BLOD		1.9	1.9	1.5	ug/m3	DFH
Chlorobenzene	13	108-90-7	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	4.8		1.4	1.4	1.5	ug/m3	DFH
Chloroethane	13	75-00-3	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	BLOD		0.79	0.79	1.5	ug/m3	DFH
Chloroform	13	67-66-3	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	BLOD		1.5	1.5	1.5	ug/m3	DFH
Chloromethane	13	74-87-3	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	1.0		0.62	0.62	1.5	ug/m3	DFH
cis-1,2-Dichloroethylene	13	156-59-2	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	BLOD		1.2	1.2	1.5	ug/m3	DFH
cis-1,3-Dichloropropene	13	10061-01-5	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	BLOD		1.4	1.4	1.5	ug/m3	DFH
Cyclohexane	13	110-82-7	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	BLOD		1.0	1.0	1.5	ug/m3	DFH
Dichlorodifluoromethane	13	75-71-8	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	57		3.7	3.7	1.5	ug/m3	DFH
Ethyl acetate	13	141-78-6	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	BLOD		1.1	1.1	1.5	ug/m3	DFH
Ethylbenzene	13	100-41-4	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	2.6		1.3	1.3	1.5	ug/m3	DFH
Heptane	13	142-82-5	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	8.4		1.2	1.2	1.5	ug/m3	DFH
Hexane	13	110-54-3	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	8.9		1.1	1.1	1.5	ug/m3	DFH
Isopropylbenzene	13	98-82-8	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	1.5		1.5	1.5	1.5	ug/m3	DFH
m+p-Xylenes	13	179601-23-1	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	9.2		2.6	2.6	1.5	ug/m3	DFH
Methyl methacrylate	13	80-62-6	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	BLOD		1.2	1.2	1.5	ug/m3	DFH
Methylene chloride	13	75-09-2	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	BLOD		2.6	5.2	1.5	ug/m3	DFH
Methyl-t-butyl ether (MTBE)	13	1634-04-4	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	BLOD		1.1	1.1	1.5	ug/m3	DFH

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: **Dup-6122025-SG** **Laboratory Sample ID:** **25F1824-13**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	13	91-20-3	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	16		0.19	1.6	1.5	ug/m3	DFH
o-Xylene	13	95-47-6	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	4.4		1.3	1.3	1.5	ug/m3	DFH
Propylene	13	115-07-1	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	BLOD		2.6	2.6	1.5	ug/m3	DFH
Styrene	13	100-42-5	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	1.3		1.3	1.3	1.5	ug/m3	DFH
TBA	13	75-65-0	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	25		2.3	2.3	1.5	ug/m3	DFH
Tetrachloroethylene (PCE)	13	127-18-4	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	9.2		0.25	2.0	1.5	ug/m3	DFH
Tetrahydrofuran	13	109-99-9	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	2.0		0.88	0.88	1.5	ug/m3	DFH
Toluene	13	108-88-3	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	3.0		1.1	1.1	1.5	ug/m3	DFH
trans-1,2-Dichloroethylene	13	156-60-5	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	BLOD		1.2	1.2	1.5	ug/m3	DFH
trans-1,3-Dichloropropene	13	10061-02-6	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	BLOD		1.4	1.4	1.5	ug/m3	DFH
Trichloroethylene	13	79-01-6	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	BLOD		0.14	1.6	1.5	ug/m3	DFH
Trichlorofluoromethane	13	75-69-4	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	1.8		1.7	1.7	1.5	ug/m3	DFH
Vinyl acetate	13	108-05-4	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	BLOD		1.1	1.1	1.5	ug/m3	DFH
Vinyl bromide	13	593-60-2	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	BLOD		1.3	1.3	1.5	ug/m3	DFH
Vinyl chloride	13	75-01-4	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	BLOD		0.77	0.77	1.5	ug/m3	DFH
Xylenes, Total	13	1330-20-7	EPA TO-15	06/26/2025 10:16	06/26/2025 10:16	14		3.9	3.9	1.5	ug/m3	DFH
Surr: 4-Bromofluorobenzene (Surr)	*13*		*107 %*	*80-120*	*06/26/2025 10:16*	*06/26/2025 10:16*						

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: **Dup-6122025-SG** **Laboratory Sample ID:** **25F1824-13**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GC/TCD - Unadjusted, as received basis												
Methane	13	74-82-8	ASTM D1946	06/27/2025 21:39	06/27/2025 21:39	BLOD		0.45	0.45	9	Vol%	NSD

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: **LFG-5** **Laboratory Sample ID:** **25F1824-14**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1,1-Trichloroethane	14	71-55-6	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	BLOD		1.6	1.6	1.5	ug/m3	DFH
1,1,1,2-Tetrachloroethane	14	630-20-6	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	BLOD		2.1	2.1	1.5	ug/m3	DFH
1,1,2,2-Tetrachloroethane	14	79-34-5	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	BLOD		2.1	2.1	1.5	ug/m3	DFH
1,1,2-Trichloro-1,2,2-trifluoroethane	14	76-13-1	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	BLOD		2.3	2.3	1.5	ug/m3	DFH
1,1,2-Trichloroethane	14	79-00-5	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	BLOD		1.6	1.6	1.5	ug/m3	DFH
1,1-Dichloroethane	14	75-34-3	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	BLOD		1.2	1.2	1.5	ug/m3	DFH
1,1-Dichloroethylene	14	75-35-4	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	BLOD		1.2	1.2	1.5	ug/m3	DFH
1,2,4-Trimethylbenzene	14	95-63-6	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	3.7		1.5	1.5	1.5	ug/m3	DFH
1,2-Dibromoethane (EDB)	14	106-93-4	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	BLOD		2.3	2.3	1.5	ug/m3	DFH
1,2-Dichlorobenzene	14	95-50-1	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	BLOD		1.8	1.8	1.5	ug/m3	DFH
1,2-Dichloroethane	14	107-06-2	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	BLOD		1.2	1.2	1.5	ug/m3	DFH
1,2-Dichloropropane	14	78-87-5	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	BLOD		1.4	1.4	1.5	ug/m3	DFH
1,2-Dichlorotetrafluoroethane	14	76-14-2	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	BLOD		2.1	2.1	1.5	ug/m3	DFH
1,3,5-Trimethylbenzene	14	108-67-8	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	BLOD		1.5	1.5	1.5	ug/m3	DFH
1,3-Butadiene	14	106-99-0	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	BLOD		0.66	0.66	1.5	ug/m3	DFH
1,3-Dichlorobenzene	14	541-73-1	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	BLOD		1.8	1.8	1.5	ug/m3	DFH
1,4-Dichlorobenzene	14	106-46-7	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	BLOD		1.8	1.8	1.5	ug/m3	DFH
1,4-Dioxane	14	123-91-1	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	BLOD		1.1	1.1	1.5	ug/m3	DFH
2-Butanone (MEK)	14	78-93-3	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	5.9		0.88	0.88	1.5	ug/m3	DFH
4-Methyl-2-pentanone (MIBK)	14	108-10-1	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	BLOD		3.4	3.4	1.5	ug/m3	DFH
Allyl chloride	14	107-05-1	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	BLOD		0.94	0.94	1.5	ug/m3	DFH
Benzene	14	71-43-2	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	BLOD		0.96	0.96	1.5	ug/m3	DFH
Benzyl Chloride	14	100-44-7	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	BLOD		1.6	1.6	1.5	ug/m3	DFH

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: **LFG-5** **Laboratory Sample ID:** **25F1824-14**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromodichloromethane	14	75-27-4	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	5.9		2.0	2.0	1.5	ug/m3	DFH
Bromoform	14	75-25-2	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	BLOD		3.1	3.1	1.5	ug/m3	DFH
Bromomethane	14	74-83-9	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	BLOD		1.2	1.2	1.5	ug/m3	DFH
Carbon Disulfide	14	75-15-0	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	15		2.3	2.3	1.5	ug/m3	DFH
Carbon Tetrachloride	14	56-23-5	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	BLOD		1.9	1.9	1.5	ug/m3	DFH
Chlorobenzene	14	108-90-7	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	6.0		1.4	1.4	1.5	ug/m3	DFH
Chloroethane	14	75-00-3	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	0.83		0.79	0.79	1.5	ug/m3	DFH
Chloroform	14	67-66-3	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	32		1.5	1.5	1.5	ug/m3	DFH
Chloromethane	14	74-87-3	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	2.1		0.62	0.62	1.5	ug/m3	DFH
cis-1,2-Dichloroethylene	14	156-59-2	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	BLOD		1.2	1.2	1.5	ug/m3	DFH
cis-1,3-Dichloropropene	14	10061-01-5	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	BLOD		1.4	1.4	1.5	ug/m3	DFH
Cyclohexane	14	110-82-7	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	BLOD		1.0	1.0	1.5	ug/m3	DFH
Dichlorodifluoromethane	14	75-71-8	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	BLOD		3.7	3.7	1.5	ug/m3	DFH
Ethyl acetate	14	141-78-6	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	BLOD		1.1	1.1	1.5	ug/m3	DFH
Ethylbenzene	14	100-41-4	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	BLOD		1.3	1.3	1.5	ug/m3	DFH
Heptane	14	142-82-5	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	3.9		1.2	1.2	1.5	ug/m3	DFH
Hexane	14	110-54-3	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	3.7		1.1	1.1	1.5	ug/m3	DFH
Isopropylbenzene	14	98-82-8	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	BLOD		1.5	1.5	1.5	ug/m3	DFH
m+p-Xylenes	14	179601-23-1	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	4.2		2.6	2.6	1.5	ug/m3	DFH
Methyl methacrylate	14	80-62-6	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	BLOD		1.2	1.2	1.5	ug/m3	DFH
Methylene chloride	14	75-09-2	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	BLOD		2.6	5.2	1.5	ug/m3	DFH
Methyl-t-butyl ether (MTBE)	14	1634-04-4	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	BLOD		1.1	1.1	1.5	ug/m3	DFH

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: **LFG-5** **Laboratory Sample ID:** **25F1824-14**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	14	91-20-3	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	5.7		0.19	1.6	1.5	ug/m3	DFH
o-Xylene	14	95-47-6	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	2.5		1.3	1.3	1.5	ug/m3	DFH
Propylene	14	115-07-1	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	BLOD		2.6	2.6	1.5	ug/m3	DFH
Styrene	14	100-42-5	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	BLOD		1.3	1.3	1.5	ug/m3	DFH
TBA	14	75-65-0	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	10		2.3	2.3	1.5	ug/m3	DFH
Tetrachloroethylene (PCE)	14	127-18-4	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	BLOD		0.25	2.0	1.5	ug/m3	DFH
Tetrahydrofuran	14	109-99-9	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	BLOD		0.88	0.88	1.5	ug/m3	DFH
Toluene	14	108-88-3	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	2.3		1.1	1.1	1.5	ug/m3	DFH
trans-1,2-Dichloroethylene	14	156-60-5	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	BLOD		1.2	1.2	1.5	ug/m3	DFH
trans-1,3-Dichloropropene	14	10061-02-6	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	BLOD		1.4	1.4	1.5	ug/m3	DFH
Trichloroethylene	14	79-01-6	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	BLOD		0.14	1.6	1.5	ug/m3	DFH
Trichlorofluoromethane	14	75-69-4	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	1.9		1.7	1.7	1.5	ug/m3	DFH
Vinyl acetate	14	108-05-4	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	BLOD		1.1	1.1	1.5	ug/m3	DFH
Vinyl bromide	14	593-60-2	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	BLOD		1.3	1.3	1.5	ug/m3	DFH
Vinyl chloride	14	75-01-4	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	BLOD		0.77	0.77	1.5	ug/m3	DFH
Xylenes, Total	14	1330-20-7	EPA TO-15	06/25/2025 09:55	06/25/2025 09:55	6.6		3.9	3.9	1.5	ug/m3	DFH
Surr: 4-Bromofluorobenzene (Surr)	*14*	*112 %*	*80-120*	*06/25/2025 09:55*	*06/25/2025 09:55*							

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Client Sample ID: **LFG-5** **Laboratory Sample ID:** **25F1824-14**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	LOD	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GC/TCD - Unadjusted, as received basis												
Methane	14	74-82-8	ASTM D1946	06/27/2025 22:23	06/27/2025 22:23	BLOD		0.45	0.45	9	Vol%	NSD

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Date Issued: 7/1/2025 4:38:47PM
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BIF1246 - No Prep VOC Air										
Blank (BIF1246-BLK1)				Prepared & Analyzed: 06/23/2025						
1,1,1-Trichloroethane	ND	0.200	ppbv							
1,1,1,2-Tetrachloroethane	ND	0.200	ppbv							
1,1,2,2-Tetrachloroethane	ND	0.200	ppbv							
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.200	ppbv							
1,1,2-Trichloroethane	ND	0.200	ppbv							
1,1-Dichloroethane	ND	0.200	ppbv							
1,1-Dichloroethylene	ND	0.200	ppbv							
1,2,4-Trimethylbenzene	ND	0.200	ppbv							
1,2-Dibromoethane (EDB)	ND	0.200	ppbv							
1,2-Dichlorobenzene	ND	0.200	ppbv							
1,2-Dichloroethane	ND	0.200	ppbv							
1,2-Dichloropropane	ND	0.200	ppbv							
1,2-Dichlorotetrafluoroethane	ND	0.200	ppbv							
1,3,5-Trimethylbenzene	ND	0.200	ppbv							
1,3-Butadiene	ND	0.200	ppbv							
1,3-Dichlorobenzene	ND	0.200	ppbv							
1,4-Dichlorobenzene	ND	0.200	ppbv							
1,4-Dioxane	ND	0.200	ppbv							
2-Butanone (MEK)	ND	0.200	ppbv							
4-Methyl-2-pentanone (MIBK)	ND	0.200	ppbv							
Allyl chloride	ND	0.200	ppbv							
Benzene	ND	0.200	ppbv							
Benzyl Chloride	ND	0.200	ppbv							
Bromodichloromethane	ND	0.200	ppbv							

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BIF1246 - No Prep VOC Air										
Blank (BIF1246-BLK1)				Prepared & Analyzed: 06/23/2025						
Bromoform	ND	0.200	ppbv							
Bromomethane	ND	0.200	ppbv							
Carbon Disulfide	ND	0.500	ppbv							
Carbon Tetrachloride	ND	0.200	ppbv							
Chlorobenzene	ND	0.200	ppbv							
Chloroethane	ND	0.200	ppbv							
Chloroform	ND	0.200	ppbv							
Chloromethane	ND	0.200	ppbv							
cis-1,2-Dichloroethylene	ND	0.200	ppbv							
cis-1,3-Dichloropropene	ND	0.200	ppbv							
Cyclohexane	ND	0.200	ppbv							
Dichlorodifluoromethane	ND	0.500	ppbv							
Ethyl acetate	ND	0.200	ppbv							
Ethylbenzene	ND	0.200	ppbv							
Heptane	ND	0.200	ppbv							
Hexane	ND	0.200	ppbv							
Isopropylbenzene	ND	0.200	ppbv							
m+p-Xylenes	ND	0.400	ppbv							
Methyl methacrylate	ND	0.200	ppbv							
Methylene chloride	ND	1.00	ppbv							
Methyl-t-butyl ether (MTBE)	ND	0.200	ppbv							
Naphthalene	ND	0.200	ppbv							
o-Xylene	ND	0.200	ppbv							
Propylene	ND	1.00	ppbv							

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BIF1246 - No Prep VOC Air										
Blank (BIF1246-BLK1)				Prepared & Analyzed: 06/23/2025						
Styrene	ND	0.200	ppbv							
TBA	ND	0.500	ppbv							
Tetrachloroethylene (PCE)	ND	0.200	ppbv							
Tetrahydrofuran	ND	0.200	ppbv							
Toluene	ND	0.200	ppbv							
trans-1,2-Dichloroethylene	ND	0.200	ppbv							
trans-1,3-Dichloropropene	ND	0.200	ppbv							
Trichloroethylene	ND	0.200	ppbv							
Trichlorofluoromethane	ND	0.200	ppbv							
Vinyl acetate	ND	0.200	ppbv							
Vinyl bromide	ND	0.200	ppbv							
Vinyl chloride	ND	0.200	ppbv							
Xylenes, Total	ND	0.600	ppbv							
Surr: 4-Bromofluorobenzene (Surr)	*4.84*		ppbv	*5.00*		*96.8*	*80-120*			
LCS (BIF1246-BS1)				Prepared & Analyzed: 06/23/2025						
1,1,1-Trichloroethane	5.42		ppbv	5.00		108	70-130			
1,1,1,2-Tetrachloroethane	5.33		ppbv	5.00		107	70-130			
1,1,2,2-Tetrachloroethane	5.19		ppbv	5.00		104	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane	5.14		ppbv	5.00		103	70-130			
1,1,2-Trichloroethane	5.34		ppbv	5.00		107	70-130			
1,1-Dichloroethane	5.27		ppbv	5.00		105	70-130			
1,1-Dichloroethylene	5.23		ppbv	5.00		105	70-130			
1,2,4-Trimethylbenzene	5.25		ppbv	5.00		105	70-130			

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Date Issued: 7/1/2025 4:38:47PM
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BIF1246 - No Prep VOC Air										
LCS (BIF1246-BS1)				Prepared & Analyzed: 06/23/2025						
1,2-Dibromoethane (EDB)	5.31		ppbv	5.00		106	70-130			
1,2-Dichlorobenzene	5.40		ppbv	5.00		108	70-130			
1,2-Dichloroethane	5.42		ppbv	5.00		108	70-130			
1,2-Dichloropropane	5.46		ppbv	5.00		109	70-130			
1,2-Dichlorotetrafluoroethane	5.36		ppbv	5.00		107	70-130			
1,3,5-Trimethylbenzene	5.03		ppbv	5.00		101	70-130			
1,3-Butadiene	5.15		ppbv	5.00		103	70-130			
1,3-Dichlorobenzene	5.35		ppbv	5.00		107	70-130			
1,4-Dichlorobenzene	5.39		ppbv	5.00		108	70-130			
1,4-Dioxane	5.80		ppbv	5.00		116	70-130			
2-Butanone (MEK)	4.78		ppbv	5.00		95.6	70-130			
4-Methyl-2-pentanone (MIBK)	5.70		ppbv	5.00		114	70-130			
Allyl chloride	5.30		ppbv	5.00		106	70-130			
Benzene	5.38		ppbv	5.00		108	70-130			
Benzyl Chloride	6.35		ppbv	5.00		127	70-130			
Bromodichloromethane	5.48		ppbv	5.00		110	70-130			
Bromoform	5.18		ppbv	5.00		104	70-130			
Bromomethane	5.50		ppbv	5.00		110	70-130			
Carbon Disulfide	5.02		ppbv	5.00		100	70-130			
Carbon Tetrachloride	5.39		ppbv	5.00		108	70-130			
Chlorobenzene	5.31		ppbv	5.00		106	70-130			
Chloroethane	5.35		ppbv	5.00		107	70-130			
Chloroform	5.12		ppbv	5.00		102	70-130			
Chloromethane	5.10		ppbv	5.00		102	70-130			

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Date Issued: 7/1/2025 4:38:47PM
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BIF1246 - No Prep VOC Air										
LCS (BIF1246-BS1)				Prepared & Analyzed: 06/23/2025						
cis-1,2-Dichloroethylene	5.34		ppbv	5.00		107	70-130			
cis-1,3-Dichloropropene	5.41		ppbv	5.00		108	70-130			
Cyclohexane	5.14		ppbv	5.00		103	70-130			
Dichlorodifluoromethane	5.13		ppbv	5.00		103	70-130			
Ethyl acetate	5.94		ppbv	5.00		119	70-130			
Ethylbenzene	5.32		ppbv	5.00		106	70-130			
Heptane	5.21		ppbv	5.00		104	70-130			
Hexane	5.15		ppbv	5.00		103	70-130			
Isopropylbenzene	5.13		ppbv	5.00		103	70-130			
m+p-Xylenes	10.2		ppbv	10.0		102	70-130			
Methyl methacrylate	5.39		ppbv	5.00		108	70-130			
Methylene chloride	5.40		ppbv	5.00		108	70-130			
Methyl-t-butyl ether (MTBE)	5.39		ppbv	5.00		108	70-130			
Naphthalene	6.03		ppbv	5.00		121	60-140			
o-Xylene	5.01		ppbv	5.00		100	70-130			
Propylene	3.75		ppbv	5.00		75.0	70-130			
Styrene	5.29		ppbv	5.00		106	70-130			
TBA	5.44		ppbv	5.00		109	70-130			
Tetrachloroethylene (PCE)	5.19		ppbv	5.00		104	70-130			
Tetrahydrofuran	5.23		ppbv	5.00		105	70-130			
Toluene	5.22		ppbv	5.00		104	70-130			
trans-1,2-Dichloroethylene	5.31		ppbv	5.00		106	70-130			
trans-1,3-Dichloropropene	5.52		ppbv	5.00		110	70-130			
Trichloroethylene	5.33		ppbv	5.00		107	70-130			

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Date Issued: 7/1/2025 4:38:47PM
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BIF1246 - No Prep VOC Air										
LCS (BIF1246-BS1)				Prepared & Analyzed: 06/23/2025						
Trichlorofluoromethane	4.93		ppbv	5.00		98.6	70-130			
Vinyl acetate	5.05		ppbv	5.00		101	70-130			
Vinyl bromide	5.51		ppbv	5.00		110	70-130			
Vinyl chloride	5.50		ppbv	5.00		110	70-130			
Surr: 4-Bromofluorobenzene (Surr)	*5.03*		ppbv	*5.00*		*101*	*70-130*			
LCS Dup (BIF1246-BSD1)				Prepared & Analyzed: 06/23/2025						
1,1,1-Trichloroethane	5.51		ppbv	5.00		110	70-130	1.65	25	
1,1,1,2-Tetrachloroethane	5.34		ppbv	5.00		107	70-130	0.187	25	
1,1,2,2-Tetrachloroethane	5.26		ppbv	5.00		105	70-130	1.34	25	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.28		ppbv	5.00		106	70-130	2.69	25	
1,1,2-Trichloroethane	5.41		ppbv	5.00		108	70-130	1.30	25	
1,1-Dichloroethane	5.41		ppbv	5.00		108	70-130	2.62	25	
1,1-Dichloroethylene	5.45		ppbv	5.00		109	70-130	4.12	25	
1,2,4-Trimethylbenzene	5.36		ppbv	5.00		107	70-130	2.07	25	
1,2-Dibromoethane (EDB)	5.44		ppbv	5.00		109	70-130	2.42	25	
1,2-Dichlorobenzene	5.50		ppbv	5.00		110	70-130	1.83	25	
1,2-Dichloroethane	5.46		ppbv	5.00		109	70-130	0.735	25	
1,2-Dichloropropane	5.47		ppbv	5.00		109	70-130	0.183	25	
1,2-Dichlorotetrafluoroethane	5.73		ppbv	5.00		115	70-130	6.67	25	
1,3,5-Trimethylbenzene	5.11		ppbv	5.00		102	70-130	1.58	25	
1,3-Butadiene	5.34		ppbv	5.00		107	70-130	3.62	25	
1,3-Dichlorobenzene	5.45		ppbv	5.00		109	70-130	1.85	25	
1,4-Dichlorobenzene	5.47		ppbv	5.00		109	70-130	1.47	25	

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Date Issued: 7/1/2025 4:38:47PM
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BIF1246 - No Prep VOC Air										
LCS Dup (BIF1246-BSD1)				Prepared & Analyzed: 06/23/2025						
1,4-Dioxane	5.94		ppbv	5.00		119	70-130	2.39	25	
2-Butanone (MEK)	4.83		ppbv	5.00		96.6	70-130	1.04	25	
4-Methyl-2-pentanone (MIBK)	5.94		ppbv	5.00		119	70-130	4.12	25	
Allyl chloride	5.46		ppbv	5.00		109	70-130	2.97	25	
Benzene	5.46		ppbv	5.00		109	70-130	1.48	25	
Benzyl Chloride	6.46		ppbv	5.00		129	70-130	1.72	25	
Bromodichloromethane	5.54		ppbv	5.00		111	70-130	1.09	25	
Bromoform	5.24		ppbv	5.00		105	70-130	1.15	25	
Bromomethane	5.75		ppbv	5.00		115	70-130	4.44	25	
Carbon Disulfide	5.11		ppbv	5.00		102	70-130	1.78	25	
Carbon Tetrachloride	5.41		ppbv	5.00		108	70-130	0.370	25	
Chlorobenzene	5.32		ppbv	5.00		106	70-130	0.188	25	
Chloroethane	5.56		ppbv	5.00		111	70-130	3.85	25	
Chloroform	5.26		ppbv	5.00		105	70-130	2.70	25	
Chloromethane	5.51		ppbv	5.00		110	70-130	7.73	25	
cis-1,2-Dichloroethylene	5.45		ppbv	5.00		109	70-130	2.04	25	
cis-1,3-Dichloropropene	5.64		ppbv	5.00		113	70-130	4.16	25	
Cyclohexane	5.17		ppbv	5.00		103	70-130	0.582	25	
Dichlorodifluoromethane	5.58		ppbv	5.00		112	70-130	8.40	25	
Ethyl acetate	5.79		ppbv	5.00		116	70-130	2.56	25	
Ethylbenzene	5.32		ppbv	5.00		106	70-130	0.00	25	
Heptane	5.28		ppbv	5.00		106	70-130	1.33	25	
Hexane	5.21		ppbv	5.00		104	70-130	1.16	25	
Isopropylbenzene	5.26		ppbv	5.00		105	70-130	2.50	25	

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Date Issued: 7/1/2025 4:38:47PM
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BIF1246 - No Prep VOC Air										
LCS Dup (BIF1246-BSD1)				Prepared & Analyzed: 06/23/2025						
m+p-Xylenes	10.4		ppbv	10.0		104	70-130	2.13	25	
Methyl methacrylate	5.50		ppbv	5.00		110	70-130	2.02	25	
Methylene chloride	5.70		ppbv	5.00		114	70-130	5.41	25	
Methyl-t-butyl ether (MTBE)	5.51		ppbv	5.00		110	70-130	2.20	25	
Naphthalene	6.38		ppbv	5.00		128	60-140	5.64	25	
o-Xylene	4.98		ppbv	5.00		99.6	70-130	0.601	25	
Propylene	4.07		ppbv	5.00		81.4	70-130	8.18	25	
Styrene	5.43		ppbv	5.00		109	70-130	2.61	25	
TBA	5.73		ppbv	5.00		115	70-130	5.19	25	
Tetrachloroethylene (PCE)	5.18		ppbv	5.00		104	70-130	0.193	25	
Tetrahydrofuran	5.23		ppbv	5.00		105	70-130	0.00	25	
Toluene	5.35		ppbv	5.00		107	70-130	2.46	25	
trans-1,2-Dichloroethylene	5.42		ppbv	5.00		108	70-130	2.05	25	
trans-1,3-Dichloropropene	5.69		ppbv	5.00		114	70-130	3.03	25	
Trichloroethylene	5.41		ppbv	5.00		108	70-130	1.49	25	
Trichlorofluoromethane	5.11		ppbv	5.00		102	70-130	3.59	25	
Vinyl acetate	5.12		ppbv	5.00		102	70-130	1.38	25	
Vinyl bromide	5.71		ppbv	5.00		114	70-130	3.57	25	
Vinyl chloride	5.71		ppbv	5.00		114	70-130	3.75	25	
Surr: 4-Bromofluorobenzene (Surr)	*4.99*		ppbv	*5.00*		*99.8*	*70-130*			

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Date Issued: 7/1/2025 4:38:47PM
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

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

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BIF1355 - No Prep VOC GC Air										
Blank (BIF1355-BLK1)				Prepared & Analyzed: 06/25/2025						
Methane	ND	0.05	Vol%							
LCS (BIF1355-BS1)				Prepared & Analyzed: 06/25/2025						
Methane	10100		Vol%	10100		100	70-130			
Carbon dioxide	9570		Vol%	10000		95.7	70-130			
Oxygen (O2)	1930		Vol%	2010		96.1	70-130			
Nitrogen (N2)	4760		Vol%	5050		94.3	70-130			
Hydrogen (H2)	520		Vol%	500		104	70-130			
Carbon Monoxide	510		Vol%	500		102	70-130			
Duplicate (BIF1355-DUP1)	**Source: 25F1824-09**			Prepared & Analyzed: 06/25/2025						
Methane	14.8	0.45	Vol%		14.8			0.0770	5	
Carbon dioxide	12.1	0.45	Vol%		12.0			0.127	5	
Oxygen (O2)	6.34	0.45	Vol%		6.47			2.05	5	
Hydrogen (H2)	ND	0.18	Vol%		BLOD			NA	5	
Nitrogen (N2)	61.7	9.00	Vol%		61.7			0.00484	5	
Carbon Monoxide	ND	0.009	Vol%		BLOD			NA	5	
Batch BIF1388 - No Prep VOC GC Air										
Blank (BIF1388-BLK1)				Prepared & Analyzed: 06/26/2025						
Methane	ND	0.05	Vol%							
LCS (BIF1388-BS1)				Prepared & Analyzed: 06/26/2025						
Methane	10100		Vol%	10100		99.9	70-130			
Carbon dioxide	9600		Vol%	10000		96.0	70-130			
Oxygen (O2)	1950		Vol%	2010		96.9	70-130			

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Date Issued: 7/1/2025 4:38:47PM
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

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

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BIF1388 - No Prep VOC GC Air										
LCS (BIF1388-BS1)				Prepared & Analyzed: 06/26/2025						
Hydrogen (H2)	564		Vol%	500		113	70-130			
Nitrogen (N2)	4740		Vol%	5050		93.9	70-130			
Carbon Monoxide	515		Vol%	500		103	70-130			
Duplicate (BIF1388-DUP1)	**Source: 25F1824-01**			Prepared & Analyzed: 06/26/2025						
Methane	ND	0.45	Vol%		BLOD			NA	5	
Carbon dioxide	10.9	0.45	Vol%		10.9			0.0583	5	
Oxygen (O2)	ND	0.45	Vol%		0.48			NA	5	
Nitrogen (N2)	81.4	9.00	Vol%		81.3			0.101	5	
Hydrogen (H2)	ND	0.18	Vol%		BLOD			NA	5	
Carbon Monoxide	ND	0.009	Vol%		BLOD			NA	5	
Duplicate (BIF1388-DUP2)	**Source: 25F1824-02**			Prepared & Analyzed: 06/26/2025						
Methane	6.48	0.45	Vol%		6.47			0.130	5	
Carbon dioxide	11.7	0.45	Vol%		11.8			0.200	5	
Oxygen (O2)	2.02	0.45	Vol%		2.01			0.663	5	
Hydrogen (H2)	ND	0.18	Vol%		BLOD			NA	5	
Nitrogen (N2)	73.1	9.00	Vol%		73.1			0.0989	5	
Carbon Monoxide	ND	0.009	Vol%		BLOD			NA	5	
Duplicate (BIF1388-DUP3)	**Source: 25F1824-03**			Prepared & Analyzed: 06/26/2025						
Methane	0.55	0.45	Vol%		0.55			0.370	5	
Carbon dioxide	18.9	0.45	Vol%		18.8			0.427	5	
Oxygen (O2)	ND	0.45	Vol%		BLOD			NA	5	
Hydrogen (H2)	ND	0.18	Vol%		BLOD			NA	5	
Nitrogen (N2)	74.2	9.00	Vol%		74.1			0.0653	5	

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Date Issued: 7/1/2025 4:38:47PM
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

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

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BIF1388 - No Prep VOC GC Air										
Duplicate (BIF1388-DUP3)		**Source: 25F1824-03**		Prepared & Analyzed: 06/26/2025						
Carbon Monoxide	ND	0.009	Vol%		BLOD			NA	5	
Duplicate (BIF1388-DUP4)		**Source: 25F1824-04**		Prepared & Analyzed: 06/26/2025						
Methane	29.7	0.45	Vol%		29.6			0.399	5	
Carbon dioxide	9.52	0.45	Vol%		9.52			0.0310	5	
Oxygen (O2)	1.77	0.45	Vol%		1.77			0.137	5	
Hydrogen (H2)	ND	0.18	Vol%		BLOD			NA	5	
Nitrogen (N2)	53.4	9.00	Vol%		53.3			0.246	5	
Carbon Monoxide	ND	0.009	Vol%		BLOD			NA	5	
Duplicate (BIF1388-DUP5)		**Source: 25F1824-05**		Prepared & Analyzed: 06/26/2025						
Methane	ND	0.45	Vol%		BLOD			NA	5	
Carbon dioxide	15.6	0.45	Vol%		15.6			0.467	5	
Oxygen (O2)	2.58	0.45	Vol%		2.56			0.667	5	
Nitrogen (N2)	77.9	9.00	Vol%		78.0			0.120	5	
Hydrogen (H2)	ND	0.18	Vol%		BLOD			NA	5	
Carbon Monoxide	ND	0.009	Vol%		BLOD			NA	5	
Duplicate (BIF1388-DUP6)		**Source: 25F1824-06**		Prepared & Analyzed: 06/26/2025						
Methane	ND	0.45	Vol%		BLOD			NA	5	
Carbon dioxide	15.8	0.45	Vol%		15.7			0.0418	5	
Oxygen (O2)	2.09	0.45	Vol%		2.11			1.03	5	
Hydrogen (H2)	ND	0.18	Vol%		BLOD			NA	5	
Nitrogen (N2)	77.2	9.00	Vol%		77.3			0.119	5	
Carbon Monoxide	ND	0.009	Vol%		BLOD			NA	5	

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Date Issued: 7/1/2025 4:38:47PM
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

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

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BIF1388 - No Prep VOC GC Air										
Duplicate (BIF1388-DUP7)		**Source: 25F1824-07**		Prepared & Analyzed: 06/26/2025						
Methane	ND	0.45	Vol%		BLOD			NA	5	
Carbon dioxide	14.8	0.45	Vol%		14.8			0.366	5	
Oxygen (O2)	1.64	0.45	Vol%		1.70			3.94	5	
Hydrogen (H2)	ND	0.18	Vol%		BLOD			NA	5	
Nitrogen (N2)	75.9	9.00	Vol%		76.0			0.199	5	
Carbon Monoxide	ND	0.009	Vol%		BLOD			NA	5	
Duplicate (BIF1388-DUP8)		**Source: 25F1824-08**		Prepared & Analyzed: 06/26/2025						
Methane	ND	0.45	Vol%		BLOD			NA	5	
Carbon dioxide	12.0	0.45	Vol%		12.0			0.0130	5	
Oxygen (O2)	6.20	0.45	Vol%		6.21			0.0517	5	
Nitrogen (N2)	75.2	9.00	Vol%		75.2			0.0422	5	
Hydrogen (H2)	ND	0.18	Vol%		BLOD			NA	5	
Carbon Monoxide	ND	0.009	Vol%		BLOD			NA	5	
Duplicate (BIF1388-DUP9)		**Source: 25F1833-01**		Prepared & Analyzed: 06/26/2025						
Methane	ND	0.45	Vol%		BLOD			NA	5	
Carbon dioxide	ND	0.45	Vol%		BLOD			NA	5	
Oxygen (O2)	19.7	0.45	Vol%		19.6			0.124	5	
Hydrogen (H2)	ND	0.18	Vol%		BLOD			NA	5	
Nitrogen (N2)	70.5	9.00	Vol%		70.4			0.118	5	
Carbon Monoxide	ND	0.009	Vol%		BLOD			NA	5	
Duplicate (BIF1388-DUPA)		**Source: 25F1833-02**		Prepared & Analyzed: 06/26/2025						
Methane	ND	0.45	Vol%		BLOD			NA	5	
Carbon dioxide	2.72	0.45	Vol%		2.73			0.250	5	

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Date Issued: 7/1/2025 4:38:47PM
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

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

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BIF1388 - No Prep VOC GC Air										
Duplicate (BIF1388-DUPA)		**Source: 25F1833-02**		Prepared & Analyzed: 06/26/2025						
Oxygen (O2)	15.9	0.45	Vol%		15.9			0.256	5	
Hydrogen (H2)	ND	0.18	Vol%		BLOD			NA	5	
Nitrogen (N2)	72.0	9.00	Vol%		71.9			0.217	5	
Carbon Monoxide	ND	0.009	Vol%		BLOD			NA	5	
Duplicate (BIF1388-DUPB)		**Source: 25F1833-03**		Prepared & Analyzed: 06/26/2025						
Methane	ND	0.45	Vol%		BLOD			NA	5	
Carbon dioxide	2.79	0.45	Vol%		2.80			0.440	5	
Oxygen (O2)	16.5	0.45	Vol%		16.4			0.0947	5	
Nitrogen (N2)	72.3	9.00	Vol%		72.4			0.0319	5	
Hydrogen (H2)	ND	0.18	Vol%		BLOD			NA	5	
Carbon Monoxide	ND	0.009	Vol%		BLOD			NA	5	
Duplicate (BIF1388-DUPC)		**Source: 25F1833-04**		Prepared & Analyzed: 06/26/2025						
Methane	ND	0.45	Vol%		BLOD			NA	5	
Carbon dioxide	8.01	0.45	Vol%		8.08			0.907	5	
Oxygen (O2)	10.9	0.45	Vol%		10.9			0.101	5	
Hydrogen (H2)	ND	0.18	Vol%		BLOD			NA	5	
Nitrogen (N2)	71.2	9.00	Vol%		71.2			0.0684	5	
Carbon Monoxide	ND	0.009	Vol%		BLOD			NA	5	
Duplicate (BIF1388-DUPD)		**Source: 25F1833-05**		Prepared & Analyzed: 06/26/2025						
Methane	ND	0.45	Vol%		BLOD			NA	5	
Carbon dioxide	3.61	0.45	Vol%		3.62			0.241	5	
Oxygen (O2)	15.3	0.45	Vol%		15.2			0.224	5	
Hydrogen (H2)	ND	0.18	Vol%		BLOD			NA	5	

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Date Issued: 7/1/2025 4:38:47PM
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

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

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BIF1388 - No Prep VOC GC Air										
Duplicate (BIF1388-DUPD)		**Source: 25F1833-05**		Prepared & Analyzed: 06/26/2025						
Nitrogen (N2)	71.4	9.00	Vol%		71.3			0.226	5	
Carbon Monoxide	ND	0.009	Vol%		BLOD			NA	5	
Duplicate (BIF1388-DUPE)		**Source: 25F2588-01**		Prepared & Analyzed: 06/26/2025						
Methane	79.9	0.15	Vol%		79.3			0.749	5	
Carbon dioxide	ND	0.15	Vol%		0.17			NA	5	
Oxygen (O2)	3.86	0.15	Vol%		3.94			2.12	5	
Hydrogen (H2)	ND	0.06	Vol%		BLOD			NA	5	
Nitrogen (N2)	14.4	3.00	Vol%		14.8			2.72	5	
Carbon Monoxide	ND	0.003	Vol%		BLOD			NA	5	
Batch BIF1558 - No Prep VOC GC Air										
Blank (BIF1558-BLK1)				Prepared & Analyzed: 06/27/2025						
Methane	ND	0.05	Vol%							
LCS (BIF1558-BS1)				Prepared & Analyzed: 06/27/2025						
Methane	10100		Vol%	10100		100	70-130			
Carbon dioxide	9590		Vol%	10000		95.9	70-130			
Oxygen (O2)	1970		Vol%	2010		98.0	70-130			
Nitrogen (N2)	4780		Vol%	5050		94.7	70-130			
Hydrogen (H2)	561		Vol%	500		112	70-130			
Carbon Monoxide	511		Vol%	500		102	70-130			
Duplicate (BIF1558-DUP1)		**Source: 25F1824-10**		Prepared & Analyzed: 06/27/2025						
Methane	ND	0.45	Vol%		BLOD			NA	5	
Carbon dioxide	10.2	0.45	Vol%		10.2			0.547	5	

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Date Issued: 7/1/2025 4:38:47PM
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

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

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BIF1558 - No Prep VOC GC Air										
Duplicate (BIF1558-DUP1)		**Source: 25F1824-10**		Prepared & Analyzed: 06/27/2025						
Oxygen (O2)	11.1	0.45	Vol%		11.1			0.0324	5	
Hydrogen (H2)	ND	0.18	Vol%		BLOD			NA	5	
Nitrogen (N2)	73.9	9.00	Vol%		73.8			0.115	5	
Carbon Monoxide	ND	0.009	Vol%		BLOD			NA	5	
Duplicate (BIF1558-DUP2)		**Source: 25F1824-11**		Prepared & Analyzed: 06/27/2025						
Methane	ND	0.45	Vol%		BLOD			NA	5	
Carbon dioxide	5.87	0.45	Vol%		5.85			0.290	5	
Oxygen (O2)	14.1	0.45	Vol%		14.1			0.110	5	
Hydrogen (H2)	ND	0.18	Vol%		BLOD			NA	5	
Nitrogen (N2)	74.6	9.00	Vol%		74.7			0.0913	5	
Carbon Monoxide	ND	0.009	Vol%		BLOD			NA	5	
Duplicate (BIF1558-DUP3)		**Source: 25F1824-12**		Prepared & Analyzed: 06/27/2025						
Methane	ND	0.45	Vol%		BLOD			NA	5	
Carbon dioxide	4.12	0.45	Vol%		4.12			0.108	5	
Oxygen (O2)	16.0	0.45	Vol%		16.0			0.127	5	
Nitrogen (N2)	78.5	9.00	Vol%		78.5			0.0861	5	
Hydrogen (H2)	ND	0.18	Vol%		BLOD			NA	5	
Carbon Monoxide	ND	0.009	Vol%		BLOD			NA	5	
Duplicate (BIF1558-DUP4)		**Source: 25F1824-13**		Prepared & Analyzed: 06/27/2025						
Methane	ND	0.45	Vol%		BLOD			NA	5	
Carbon dioxide	3.94	0.45	Vol%		3.93			0.249	5	
Oxygen (O2)	16.6	0.45	Vol%		16.6			0.277	5	
Hydrogen (H2)	ND	0.18	Vol%		BLOD			NA	5	

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Date Issued: 7/1/2025 4:38:47PM
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

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

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BIF1558 - No Prep VOC GC Air										
Duplicate (BIF1558-DUP4)		**Source: 25F1824-13**		Prepared & Analyzed: 06/27/2025						
Nitrogen (N2)	79.7	9.00	Vol%		79.5			0.252	5	
Carbon Monoxide	ND	0.009	Vol%		BLOD			NA	5	
Duplicate (BIF1558-DUP5)		**Source: 25F1824-14**		Prepared & Analyzed: 06/27/2025						
Methane	ND	0.45	Vol%		BLOD			NA	5	
Carbon dioxide	2.60	0.45	Vol%		2.59			0.357	5	
Oxygen (O2)	16.1	0.45	Vol%		16.1			0.0100	5	
Hydrogen (H2)	ND	0.18	Vol%		BLOD			NA	5	
Nitrogen (N2)	76.7	9.00	Vol%		76.6			0.231	5	
Carbon Monoxide	ND	0.009	Vol%		BLOD			NA	5	
Duplicate (BIF1558-DUP6)		**Source: 25F2303-01**		Prepared & Analyzed: 06/27/2025						
Methane	42.0	0.30	Vol%		41.9			0.237	5	
Carbon dioxide	39.6	0.30	Vol%		39.6			0.166	5	
Oxygen (O2)	ND	0.30	Vol%		BLOD			NA	5	
Nitrogen (N2)	ND	6.00	Vol%		BLOD			NA	5	
Hydrogen (H2)	10.7	0.12	Vol%		10.7			0.120	5	
Carbon Monoxide	0.01	0.006	Vol%		0.01			7.36	5	P
Duplicate (BIF1558-DUP7)		**Source: 25F2303-03**		Prepared & Analyzed: 06/27/2025						
Methane	20.7	0.30	Vol%		20.7			0.0577	5	
Carbon dioxide	27.7	0.30	Vol%		27.6			0.408	5	
Oxygen (O2)	6.05	0.30	Vol%		6.04			0.223	5	
Hydrogen (H2)	16.2	0.12	Vol%		16.2			0.0855	5	
Nitrogen (N2)	22.2	6.00	Vol%		22.2			0.149	5	
Carbon Monoxide	0.03	0.006	Vol%		0.03			1.04	5	

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Date Issued: 7/1/2025 4:38:47PM
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

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

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BIF1558 - No Prep VOC GC Air										
Duplicate (BIF1558-DUP8)		**Source: 25F2303-04**		Prepared & Analyzed: 06/27/2025						
Methane	46.5	0.30	Vol%		46.5			0.00256	5	
Carbon dioxide	37.6	0.30	Vol%		37.4			0.371	5	
Oxygen (O2)	ND	0.30	Vol%		BLOD			NA	5	
Hydrogen (H2)	5.95	0.12	Vol%		5.92			0.452	5	
Nitrogen (N2)	ND	6.00	Vol%		BLOD			NA	5	
Carbon Monoxide	0.01	0.006	Vol%		0.01			10.7	5	P
Duplicate (BIF1558-DUP9)		**Source: 25F2303-05**		Prepared & Analyzed: 06/27/2025						
Methane	41.8	0.30	Vol%		41.8			0.141	5	
Carbon dioxide	33.2	0.30	Vol%		33.3			0.424	5	
Oxygen (O2)	ND	0.30	Vol%		BLOD			NA	5	
Hydrogen (H2)	14.0	0.12	Vol%		14.1			0.537	5	
Nitrogen (N2)	ND	6.00	Vol%		BLOD			NA	5	
Carbon Monoxide	0.01	0.006	Vol%		0.01			11.1	5	P
Duplicate (BIF1558-DUPA)		**Source: 25F2303-06**		Prepared & Analyzed: 06/27/2025						
Methane	33.9	0.30	Vol%		33.8			0.192	5	
Carbon dioxide	32.4	0.30	Vol%		32.4			0.261	5	
Oxygen (O2)	ND	0.30	Vol%		BLOD			NA	5	
Nitrogen (N2)	19.2	6.00	Vol%		19.2			0.0652	5	
Hydrogen (H2)	6.22	0.12	Vol%		6.25			0.428	5	
Carbon Monoxide	0.009	0.006	Vol%		0.01			22.6	5	P
Duplicate (BIF1558-DUPB)		**Source: 25F2303-08**		Prepared & Analyzed: 06/27/2025						
Methane	33.0	0.30	Vol%		32.9			0.0876	5	
Carbon dioxide	32.6	0.30	Vol%		32.7			0.216	5	

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Date Issued: 7/1/2025 4:38:47PM
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

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

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BIF1558 - No Prep VOC GC Air										
Duplicate (BIF1558-DUPB)		**Source: 25F2303-08**		Prepared & Analyzed: 06/27/2025						
Oxygen (O2)	ND	0.30	Vol%		BLOD			NA	5	
Nitrogen (N2)	ND	6.00	Vol%		BLOD			NA	5	
Hydrogen (H2)	28.6	0.12	Vol%		28.4			0.678	5	
Carbon Monoxide	0.02	0.006	Vol%		0.02			0.142	5	
Duplicate (BIF1558-DUPC)		**Source: 25F2303-09**		Prepared & Analyzed: 06/27/2025						
Methane	34.0	0.30	Vol%		34.0			0.0972	5	
Carbon dioxide	42.1	0.30	Vol%		42.2			0.207	5	
Oxygen (O2)	ND	0.30	Vol%		BLOD			NA	5	
Hydrogen (H2)	15.6	0.12	Vol%		15.6			0.259	5	
Nitrogen (N2)	ND	6.00	Vol%		BLOD			NA	5	
Carbon Monoxide	0.03	0.006	Vol%		0.03			2.83	5	

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Analytical Summary

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Volatile Organic Compounds by GCMS			**Preparation Method:**	**No Prep VOC Air**	
25F1824-01	400 mL / 400 mL	EPA TO-15	BIF1246	SIF1041	AF50317
25F1824-02	400 mL / 400 mL	EPA TO-15	BIF1246	SIF1041	AF50317
25F1824-03	400 mL / 400 mL	EPA TO-15	BIF1246	SIF1041	AF50317
25F1824-04	400 mL / 400 mL	EPA TO-15	BIF1246	SIF1041	AF50317
25F1824-05	400 mL / 400 mL	EPA TO-15	BIF1246	SIF1041	AF50317
25F1824-06	400 mL / 400 mL	EPA TO-15	BIF1246	SIF1041	AF50317
25F1824-07	400 mL / 400 mL	EPA TO-15	BIF1246	SIF1041	AF50317
25F1824-08	400 mL / 400 mL	EPA TO-15	BIF1246	SIF1041	AF50317
25F1824-09	400 mL / 400 mL	EPA TO-15	BIF1246	SIF1041	AF50317
25F1824-09RE1	400 mL / 400 mL	EPA TO-15	BIF1246	SIF1041	AF50317
25F1824-10	400 mL / 400 mL	EPA TO-15	BIF1246	SIF1041	AF50317
25F1824-11	400 mL / 400 mL	EPA TO-15	BIF1246	SIF1041	AF50317
25F1824-12	400 mL / 400 mL	EPA TO-15	BIF1246	SIF1041	AF50317
25F1824-13	400 mL / 400 mL	EPA TO-15	BIF1246	SIF1041	AF50317
25F1824-14	400 mL / 400 mL	EPA TO-15	BIF1246	SIF1041	AF50317

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Volatile Organic Compounds by GC/TCD - Unadjusted, as received basis			**Preparation Method:**	**No Prep VOC GC Air**	
25F1824-09	1.00 mL / 1.00 mL	ASTM D1946	BIF1355	SIF1160	AD50190
25F1824-01	1.00 mL / 1.00 mL	ASTM D1946	BIF1388	SIF1226	AD50190
25F1824-02	1.00 mL / 1.00 mL	ASTM D1946	BIF1388	SIF1226	AD50190
25F1824-03	1.00 mL / 1.00 mL	ASTM D1946	BIF1388	SIF1226	AD50190
25F1824-04	1.00 mL / 1.00 mL	ASTM D1946	BIF1388	SIF1226	AD50190
25F1824-05	1.00 mL / 1.00 mL	ASTM D1946	BIF1388	SIF1226	AD50190
25F1824-06	1.00 mL / 1.00 mL	ASTM D1946	BIF1388	SIF1226	AD50190

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh

Date Issued: 7/1/2025 4:38:47PM

Client Site I.D.: Southside Park Landfill-Air

Submitted To: Connor Hicks

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Volatile Organic Compounds by GC/TCD - Unadjusted, as received basis			**Preparation Method:**	**No Prep VOC GC Air**	
25F1824-07	1.00 mL / 1.00 mL	ASTM D1946	BIF1388	SIF1226	AD50190
25F1824-08	1.00 mL / 1.00 mL	ASTM D1946	BIF1388	SIF1226	AD50190
25F1824-10	1.00 mL / 1.00 mL	ASTM D1946	BIF1558	SIF1293	AD50190
25F1824-11	1.00 mL / 1.00 mL	ASTM D1946	BIF1558	SIF1293	AD50190
25F1824-12	1.00 mL / 1.00 mL	ASTM D1946	BIF1558	SIF1293	AD50190
25F1824-13	1.00 mL / 1.00 mL	ASTM D1946	BIF1558	SIF1293	AD50190
25F1824-14	1.00 mL / 1.00 mL	ASTM D1946	BIF1558	SIF1293	AD50190

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

QC Analytical Summary

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Volatile Organic Compounds by GCMS			**Preparation Method:**	**No Prep VOC Air**	
BIF1246-BLK1	400 mL / 400 mL	EPA TO-15	BIF1246	SIF1041	AF50317
BIF1246-BS1	400 mL / 400 mL	EPA TO-15	BIF1246	SIF1041	AF50317
BIF1246-BSD1	400 mL / 400 mL	EPA TO-15	BIF1246	SIF1041	AF50317

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Volatile Organic Compounds by GC/TCD - Unadjusted, as received basis			**Preparation Method:**	**No Prep VOC GC Air**	
BIF1355-BLK1	1.00 mL / 1.00 mL	ASTM D1946	BIF1355	SIF1160	AD50190
BIF1355-BS1	1.00 mL / 1.00 mL	ASTM D1946	BIF1355	SIF1160	AD50190
BIF1355-DUP1	1.00 mL / 1.00 mL	ASTM D1946	BIF1355	SIF1160	AD50190
BIF1388-BLK1	1.00 mL / 1.00 mL	ASTM D1946	BIF1388	SIF1226	AD50190
BIF1388-BS1	1.00 mL / 1.00 mL	ASTM D1946	BIF1388	SIF1226	AD50190
BIF1388-DUP1	1.00 mL / 1.00 mL	ASTM D1946	BIF1388	SIF1226	AD50190
BIF1388-DUP2	1.00 mL / 1.00 mL	ASTM D1946	BIF1388	SIF1226	AD50190
BIF1388-DUP3	1.00 mL / 1.00 mL	ASTM D1946	BIF1388	SIF1226	AD50190
BIF1388-DUP4	1.00 mL / 1.00 mL	ASTM D1946	BIF1388	SIF1226	AD50190
BIF1388-DUP5	1.00 mL / 1.00 mL	ASTM D1946	BIF1388	SIF1226	AD50190
BIF1388-DUP6	1.00 mL / 1.00 mL	ASTM D1946	BIF1388	SIF1226	AD50190
BIF1388-DUP7	1.00 mL / 1.00 mL	ASTM D1946	BIF1388	SIF1226	AD50190
BIF1388-DUP8	1.00 mL / 1.00 mL	ASTM D1946	BIF1388	SIF1226	AD50190
BIF1388-DUP9	1.00 mL / 1.00 mL	ASTM D1946	BIF1388	SIF1226	AD50190
BIF1388-DUPA	1.00 mL / 1.00 mL	ASTM D1946	BIF1388	SIF1226	AD50190
BIF1388-DUPB	1.00 mL / 1.00 mL	ASTM D1946	BIF1388	SIF1226	AD50190

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh

Date Issued: 7/1/2025 4:38:47PM

Client Site I.D.: Southside Park Landfill-Air

Submitted To: Connor Hicks

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Volatile Organic Compounds by GC/TCD - Unadjusted, as received basis			**Preparation Method:**	**No Prep VOC GC Air**	
BIF1388-DUPC	1.00 mL / 1.00 mL	ASTM D1946	BIF1388	SIF1226	AD50190
BIF1388-DUPD	1.00 mL / 1.00 mL	ASTM D1946	BIF1388	SIF1226	AD50190
BIF1388-DUPE	1.00 mL / 1.00 mL	ASTM D1946	BIF1388	SIF1226	AD50190
BIF1558-BLK1	1.00 mL / 1.00 mL	ASTM D1946	BIF1558	SIF1293	AD50190
BIF1558-BS1	1.00 mL / 1.00 mL	ASTM D1946	BIF1558	SIF1293	AD50190
BIF1558-DUP1	1.00 mL / 1.00 mL	ASTM D1946	BIF1558	SIF1293	AD50190
BIF1558-DUP2	1.00 mL / 1.00 mL	ASTM D1946	BIF1558	SIF1293	AD50190
BIF1558-DUP3	1.00 mL / 1.00 mL	ASTM D1946	BIF1558	SIF1293	AD50190
BIF1558-DUP4	1.00 mL / 1.00 mL	ASTM D1946	BIF1558	SIF1293	AD50190
BIF1558-DUP5	1.00 mL / 1.00 mL	ASTM D1946	BIF1558	SIF1293	AD50190
BIF1558-DUP6	1.00 mL / 1.00 mL	ASTM D1946	BIF1558	SIF1293	AD50190
BIF1558-DUP7	1.00 mL / 1.00 mL	ASTM D1946	BIF1558	SIF1293	AD50190
BIF1558-DUP8	1.00 mL / 1.00 mL	ASTM D1946	BIF1558	SIF1293	AD50190
BIF1558-DUP9	1.00 mL / 1.00 mL	ASTM D1946	BIF1558	SIF1293	AD50190
BIF1558-DUPA	1.00 mL / 1.00 mL	ASTM D1946	BIF1558	SIF1293	AD50190
BIF1558-DUPB	1.00 mL / 1.00 mL	ASTM D1946	BIF1558	SIF1293	AD50190
BIF1558-DUPC	1.00 mL / 1.00 mL	ASTM D1946	BIF1558	SIF1293	AD50190

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Date Issued: 7/1/2025 4:38:47PM
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Certified Analyses included in this Report

Analyte	Certifications
ASTM D1946 in Air	
Methane	VELAP
EPA TO-15 in Air	
1,1,1-Trichloroethane	VELAP
1,1,1,2-Tetrachloroethane	VELAP
1,1,2,2-Tetrachloroethane	VELAP
1,1,2-Trichloro-1,2,2-trifluoroethane	VELAP
1,1,2-Trichloroethane	VELAP
1,1-Dichloroethane	VELAP
1,1-Dichloroethylene	VELAP
1,2,4-Trimethylbenzene	VELAP
1,2-Dibromoethane (EDB)	VELAP
1,2-Dichlorobenzene	VELAP
1,2-Dichloroethane	VELAP
1,2-Dichloropropane	VELAP
1,2-Dichlorotetrafluoroethane	VELAP
1,3,5-Trimethylbenzene	VELAP
1,3-Butadiene	VELAP
1,3-Dichlorobenzene	VELAP
1,4-Dichlorobenzene	VELAP
1,4-Dioxane	VELAP
2-Butanone (MEK)	VELAP
4-Methyl-2-pentanone (MIBK)	VELAP
Allyl chloride	VELAP
Benzene	VELAP
Benzyl Chloride	VELAP

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh

Date Issued: 7/1/2025 4:38:47PM

Client Site I.D.: Southside Park Landfill-Air

Submitted To: Connor Hicks

Certified Analyses included in this Report

Analyte	Certifications
Bromodichloromethane	VELAP
Bromoform	VELAP
Bromomethane	VELAP
Carbon Disulfide	VELAP
Carbon Tetrachloride	VELAP
Chlorobenzene	VELAP
Chloroethane	VELAP
Chloroform	VELAP
Chloromethane	VELAP
cis-1,2-Dichloroethylene	VELAP
cis-1,3-Dichloropropene	VELAP
Cyclohexane	VELAP
Dichlorodifluoromethane	VELAP
Ethyl acetate	VELAP
Ethylbenzene	VELAP
Heptane	VELAP
Hexane	VELAP
Isopropylbenzene	VELAP
m+p-Xylenes	VELAP
Methyl methacrylate	VELAP
Methylene chloride	VELAP
Methyl-t-butyl ether (MTBE)	VELAP
Naphthalene	VELAP
o-Xylene	VELAP
Propylene	VELAP
Styrene	VELAP
TBA	VELAP

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh

Date Issued: 7/1/2025 4:38:47PM

Client Site I.D.: Southside Park Landfill-Air

Submitted To: Connor Hicks

Certified Analyses included in this Report

Analyte	Certifications
Tetrachloroethylene (PCE)	VELAP
Tetrahydrofuran	VELAP
Toluene	VELAP
trans-1,2-Dichloroethylene	VELAP
trans-1,3-Dichloropropene	VELAP
Trichloroethylene	VELAP
Trichlorofluoromethane	VELAP
Vinyl acetate	VELAP
Vinyl bromide	VELAP
Vinyl chloride	VELAP
Xylenes, Total	VELAP

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh

Date Issued: 7/1/2025 4:38:47PM

Client Site I.D.: Southside Park Landfill-Air

Submitted To: Connor Hicks

Code	Description	Laboratory ID	Expires
DURSC-NCDEQ	NCDEQ Durham Service Center	703	12/31/2025
DURSC-NCDHHS	NCDHHS Durham Service Center	37918	07/31/2025
MdDOE	Maryland DE Drinking Water	341	12/31/2025
NCDEQ	North Carolina DEQ	495	12/31/2025
NCDHHS	North Carolina Department of Health and Human Services	51714	07/31/2025
PADEP	NELAP-Pennsylvania Certificate #009	68-03503	10/31/2025
TXCEQ	Texas Comm on Environmental Quality #TX-C25-00143	T104704576	05/31/2026
VELAP	NELAP-Virginia Certificate #13428	460021	06/14/2026
WVDEP	West Virginia DEP Cert ID: WV-C25-00088	350	11/30/2025

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Qualifiers and Definitions

J	The reported result is an estimated value.
P	Duplicate analysis does not meet the acceptance criteria for precision
RPD	Relative Percent Difference
Qual	Qualifers
-RE	Denotes sample was re-analyzed
LOD	Limit of Detection
BLOD	Below Limit of Detection
LOQ	Limit of Quantitation
DF	Dilution Factor
TIC	Tentatively Identified Compounds are compounds that are identified by comparing the analyte mass spectral pattern with the NIST spectral library. A TIC spectral match is reported when the pattern is at least 75% consistent with the published pattern. Compound concentrations are estimated and are calculated using an internal standard response factor of 1.
PCBs, Total	Total PCBs are defined as the sum of detected Aroclors 1016, 1221, 1232, 1248, 1254, 1260, 1262, and 1268.

ENTHALPY ANALYTICAL

AIR ANALYSIS
CHAIN OF CUSTODY

Equipment Must be Returned By: 7/3/25

COMPANY NAME: **S&ME**	INVOICE TO: **Same**	PROJECT NAME/Quote #: Southside Park Landfill
CONTACT: **Chase Porter**	INVOICE CONTACT:	SITE NAME:
ADDRESS: **3201 Spring Forest Rd, Raleigh NC**	INVOICE ADDRESS:	PROJECT NUMBER: 215952
PHONE #: 581-337-7899	INVOICE PHONE #:	P.O. #:
FAX #:	EMAIL: chaseporter@smeinc.com; traymond@smeinc.com; connorhicks@smeinc.com	Pretreatment Program:
Is sample for compliance reporting? YES NO	**Regulatory State:**	Is sample from a chlorinated supply? YES NO / PWS I.D. #:
SAMPLER NAME (PRINT): Dennis Dorsett	SAMPLER SIGNATURE: of S&ME	**Turn Around Time:** Circle: **10** **5 Days** or __ Day
Matrix Codes: AA=Indoor/Ambient Air SG=Soil Gas LV=Landfill/Vent Gas OT=Other SG		**063-25E-0033** **WO:**

	CLIENT SAMPLE I.D.	Regulator Info: Flow Controller ID	Regulator Info: Cal Flow (mL/min)	Canister Information: Canister ID	Canister Information: Size (L)	Canister Information: Cleaning Batch ID	Canister Information: LAB Outgoing Canister Vacuum (in Hg)	Canister Information: LAB Receiving Canister Vacuum (in Hg)	Sampling Start Information: Barometric Pres. (in Hg): Start Date	Start Time (24hr clock)	Initial Canister Vacuum (in Hg)	Starting Sample Temp °F	Sampling Stop Information: Barometric Pres. (in Hg): Stop Date	Stop Time (24hr clock)	Final Canister Vacuum (in Hg)	Ending Sample Temp °F	Matrix (See Codes)	ANALYSIS: TO-15	ASTMD 1946 (Methane Only)	
1)	LFG-9	16059	3Hr	48092	6	IC250529	30	7.6"	6/13/25	0854	-29.5	73°F	6/13/25	1147	-5.0	78°	LV	x	x	
2)	LFG-8	16670	3Hr	49288	6	IC250529	30	6.6"	6/13/25	0946	-29.0	75°F	6/13/25	1223	-5.0	78°	LV	x	x	
3)	LFG-12	17211	3Hr	49325	6	IC250529	30	6.0"	6/13/25	0837	-29.0	72°F	6/13/25	1130	-5.0	79°	LV	x	x	
4)	LFG-10	20072	3Hr	49346	6	IC250529	30	7.2"	6/13/25	0919	-29.5	73°F	6/13/25	1142	-4.0	79°	LV	x	x	

RELINQUISHED: of S&ME DATE / TIME 6/13/25 1500	RECEIVED: DATE / TIME 6-13-25 15:00	QC Data Package	LAB USE ONLY: 15x 3-Hour flow controllers
RELINQUISHED: DATE / TIME 6/16/25 14:00	RECEIVED: DATE / TIME 6/16/25 14:00	Level I ☐ Level II ☐ Level III ☐ Level IV ☐	**S&ME - NC** **25F1824** **Southside Park Landfill-Air** **Recd: 06/17/2025 Due: 07/01/2025**
RELINQUISHED: DATE / TIME	RECEIVED: Fed Ex G DATE / TIME		v130325002

Observed Temp °C: 20.4 (3:10) no ice
Correction Factor °C: 0.0 no seal
Corrected Temp °C: 20.4

Relinquished: Fed Ex G ~~6/16/25 1030~~ HG 6/17/25
Received: ~~6/16/25 1030~~ 6/17/25

ENTHALPY ANALYTICAL

AIR ANALYSIS
CHAIN OF CUSTODY

Equipment Must be Returned By: 7/3/25

COMPANY NAME: **S&ME**	INVOICE TO: **Same**	PROJECT NAME/Quote #: Southside Park Landfill
CONTACT: **Chase Porter**	INVOICE CONTACT:	SITE NAME:
ADDRESS: **3201 Spring Forest Rd, Raleigh NC**	INVOICE ADDRESS:	PROJECT NUMBER: 215952
PHONE #: 586-337-7899	INVOICE PHONE #:	P.O. #:
FAX #:	EMAIL: chaseporter@smeinc.com; traymond@smeinc.com; connorhicks@smeinc.com	Pretreatment Program:
Is sample for compliance reporting? YES NO	**Regulatory State:**	Is sample from a chlorinated supply? YES NO / PWS I.D. #:
SAMPLER NAME (PRINT): Dennis Dorsett of SMME	SAMPLER SIGNATURE:	**Turn Around Time:** Circle: **10** **5 Days** or __ Day

Matrix Codes: AA=Indoor/Ambient Air SG=Soil Gas LV=Landfill/Vent Gas OT=Other SG

063-25E-0033 **WO:**

	CLIENT SAMPLE I.D.	Regulator Info: Flow Controller ID	Regulator Info: Cal Flow (mL/min)	Canister Information: Canister ID	Canister Information: Size (L)	Canister Information: Cleaning Batch ID	Canister Information: LAB Outgoing Canister Vacuum (in Hg)	Canister Information: LAB Receiving Canister Vacuum (in Hg)	Sampling Start Information: Barometric Pres. (in Hg): Start Date	Start Time (24hr clock)	Initial Canister Vacuum (in Hg)	Starting Sample Temp °F	Sampling Stop Information: Barometric Pres. (in Hg): Stop Date	Stop Time (24hr clock)	Final Canister Vacuum (in Hg)	Ending Sample Temp °F	Matrix (See Codes)	ANALYSIS: TO-15	ASTMD 1946 (Methane Only)	
1)	DUP-6132025-SG	10516	3Hr	31333	6	IC250529	30	7.2"	6/13/25	—	-30.0	77°	6/13/25	—	-1.0	80°	LV	x	x	
2)	Not used	10523	3Hr	39976	6	IC250529	30										LV	x	x	
3)	LFG-3	10534	3Hr	44623	6	IC250529	30	4.8"	6/13/25	1052	-29.0	77°	6/13/25	1341	-5.0	80°	LV	x	x	
4)	LFG-7	13288	3Hr	48086	6	IC250529	30	7.2"	6/13/25	1011	-30.0		6/13/25	1250	-5.0	80°	LV	x	x	

RELINQUISHED: DATE / TIME	RECEIVED: DATE / TIME	QC Data Package	LAB USE ONLY: 15x 3-Hour flow controllers
Dennis Dorsett of SMME 6/13/25 1500	Nick Carey 6/13/25 1500	Level I ☐	
RELINQUISHED: DATE / TIME	RECEIVED: DATE / TIME	Level II ☐	
Nick Carey 6/16/25 1400	Fedex 6/16/25 1400	Level III ☐	
RELINQUISHED: DATE / TIME	RECEIVED: DATE / TIME	Level IV ☐	
	Fed Ex G		

S&ME - NC **25F1824**
Southside Park Landfill-Air
Recd: 06/17/2025 Due: 07/01/2025
v130325002

310
Observed Temp °C: 20.4
No ice
Correction Factor °C: 0.0
No seal
Corrected Temp °C: 20.4

Relinquished: Fed Ex G ~~6/16/25 1030~~ HG 6/17/25
Received: ~~6/16/25 1030~~ 6/17/25

063-25E-0033.xls

ENTHALPY ANALYTICAL

AIR ANALYSIS
CHAIN OF CUSTODY

Equipment Must be Returned By: 7/3/25

COMPANY NAME: **S&ME**	INVOICE TO: **Same**	PROJECT NAME/Quote #: Southside Park Landfill
CONTACT: **Chase Porter**	INVOICE CONTACT:	SITE NAME: Southside Park LANDFILL
ADDRESS: **3201 Spring Forest Rd, Raleigh NC**	INVOICE ADDRESS:	PROJECT NUMBER: 215952
PHONE #: 336-337-7899	INVOICE PHONE #:	P.O. #:
FAX #:	EMAIL: chaseporter@smeinc.com; traymond@smeinc.com; connorhicks@smeinc.com	Pretreatment Program:
Is sample for compliance reporting? YES NO	**Regulatory State:**	Is sample from a chlorinated supply? YES NO / PWS I.D. #:
SAMPLER NAME (PRINT): Dennis Dowth	SAMPLER SIGNATURE: Jay C Wade for S&ME	**Turn Around Time:** Circle: **10** **5 Days** or __ Day

Matrix Codes: AA=Indoor/Ambient Air SG=Soil Gas LV=Landfill/Vent Gas OT=Other SG

063-25E-0033 **WO:**

	CLIENT SAMPLE I.D.	Regulator Info: Flow Controller ID	Regulator Info: Cal Flow (mL/min)	Canister Information: Canister ID	Canister Information: Size (L)	Canister Information: Cleaning Batch ID	Canister Information: LAB Outgoing Canister Vacuum (in Hg)	Canister Information: LAB Receiving Canister Vacuum (in Hg)	Sampling Start Information: Barometric Pres. (in Hg): Start Date	Start Time (24hr clock)	Initial Canister Vacuum (in Hg)	Starting Sample Temp °F	Sampling Stop Information: Barometric Pres. (in Hg): Stop Date	Stop Time (24hr clock)	Final Canister Vacuum (in Hg)	Ending Sample Temp °F	Matrix (See Codes)	ANALYSIS: TO-15	ASTMD 1946 (Methane	
1)	LFG-11	20115	3Hr	38753	6	IC250528	30	8.6"	6/11/25	1119	-28	85	6/11/25	1407	-5.0	88	LV	x	x	
2)	LFG-6	20120	3Hr	41726	6	IC250528	30	4.4"	6/11/25	1352	-29.0	85	6/11/25	1617	-1.0	88	LV	x	x	
3)	LFG-1	20217	3Hr	46897	6	IC250528	30	2.8"	6/11/25	1317	-29.0	85	6/11/25	1604	-1.0	88	LV	x	x	
4)	LFG-4	20225	3Hr	49511	6	IC250528	30	7.0"	6/11/25	1258	-30	85	6/11/25	1548	-5.0	88	LV	x	x	

RELINQUISHED:	DATE / TIME	RECEIVED:	DATE / TIME
Jay C Wade for S&ME	6/13/25 1500	Nick Carey	6/13/25 1500
Nick Carey	6/16/25 14:00	Fedex	6/16/25 14:00
RELINQUISHED:	DATE / TIME	RECEIVED: Fed Ex G	DATE / TIME

QC Data Package
Level I ☐
Level II ☐
Level III ☐
Level IV ☐

LAB USE ONLY: 15x 3-Hour flow controllers

S&ME - NC **25F1824**
Southside Park Landfill-Air
Recd: 06/17/2025 Due: 07/01/2025
v130325002

Observed Temp °C: 20.7 (310)
No ice
Correction Factor °C: 0.0
No seal
Corrected Temp °C: 20.7

Relinquished: Fed Ex G ~~6/16/25 1030~~ HG 6/17/25
Received: [signature] ~~6/16/25~~ 6/17/25 1030

ENTHALPY ANALYTICAL

AIR ANALYSIS
CHAIN OF CUSTODY

Equipment Must be Returned By: 7/3/25

COMPANY NAME: **S&ME**	INVOICE TO: **Same**	PROJECT NAME/Quote #: Southside Park Landfill
CONTACT: **Chase Porter**	INVOICE CONTACT:	SITE NAME:
ADDRESS: **3201 Spring Forest Rd, Raleigh NC**	INVOICE ADDRESS:	PROJECT NUMBER: 215952
PHONE #: 506-337-7899	INVOICE PHONE #:	P.O. #:
FAX #:	EMAIL: chaseporter@smeinc.com; traymond@smeinc.com; connorhicks@smeinc.com	Pretreatment Program:
Is sample for compliance reporting? YES NO	**Regulatory State:**	Is sample from a chlorinated supply? YES NO / PWS I.D. #:
SAMPLER NAME (PRINT): Dennis Doncith	SAMPLER SIGNATURE: [signature] of SME	**Turn Around Time:** Circle: **10** **5 Days** or __ Day
Matrix Codes: AA=Indoor/Ambient Air SG=Soil Gas LV=Landfill/Vent Gas OT=Other SC		**063-25E-0033** **WO:**

	CLIENT SAMPLE I.D.	Regulator Info: Flow Controller ID	Regulator Info: Cal Flow (mL/min)	Canister Information: Canister ID	Canister Information: Size (L)	Canister Information: Cleaning Batch ID	Canister Information: LAB Outgoing Canister Vacuum (in Hg)	Canister Information: LAB Receiving Canister Vacuum (in Hg)	Sampling Start Information: Barometric Pres. (in Hg): Start Date	Start Time (24hr clock)	Initial Canister Vacuum (in Hg)	Starting Sample Temp °F	Sampling Stop Information: Barometric Pres. (in Hg): Stop Date	Stop Time (24hr clock)	Final Canister Vacuum (in Hg)	Ending Sample Temp °F	Matrix (See Codes)	ANALYSIS: TO-15	ASTMD 1946 (Methane Only)	
1)	LFG-2	20248	3Hr	49519	6	IC250528	30	9.8"	6/11/25	0950	-29	80°	6/11/25	~~1225~~ DCD 1228	-5.0	85°	LV	x	x	
2)	DUP-6122025-SG	20255	3Hr	50710	6	IC250528	30	8.4"	6/11/25	DCD	-28.5	80°	6/11/25	N/A	-6.0	85°	LV	x	x	
3)	LFG-5	20258	3Hr	50958	6	IC250528	30	8.6"	6/11/25	1038	1336	80°	6/11/25	1336	-5.0	85°	LV	x	x	
4)																				

RELINQUISHED:	DATE / TIME	RECEIVED:	DATE / TIME
[signature] of SME	6/13/25 1550	Nick Carey	6/13/25 1550
Nick Carey	6/16/25 14:00	Fedex	6/16/25 14:00
		Fed Ex 6	

QC Data Package	
Level I	☐
Level II	☐
Level III	☐
Level IV	☐

LAB USE ONLY: 15x 3-Hour flow controllers

Observed Temp °C: 20.4 (310) No Ice
Correction Factor °C: 0.0 No Seal

Relinquished: Fed Ex 6 ~~6/16/25 1030~~ #6 6/17/25
Received: [signature] ~~6/16/25~~ 6/17/25 1030

S&ME - NC **25F1824**
Southside Park Landfill-Air
Recd: 06/17/2025 Due: 07/01/2025
v130325002

063-25E-0033.xls

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh

Date Issued: 7/1/2025 4:38:47PM

Client Site I.D.: Southside Park Landfill-Air

Submitted To: Connor Hicks

Laboratory Order ID: 25F1824

Sample Conditions Checklist

Samples Received at:	**20.90°C**
How were samples received?	FedEx Express
Were Custody Seals used?	No
Are the custody papers filled out completely and correctly?	No
Do all bottle labels agree with custody papers?	Yes
Is the temperature blank or representative sample within acceptable limits or received on ice, and recently taken?	Yes
Are all samples within holding time for requested laboratory tests?	Yes
Is a sufficient amount of sample provided to perform the tests included?	Yes
Are all samples in appropriate containers for the analyses requested?	Yes
Were volatile organic containers received?	No
Are all volatile organic and TOX containers free of headspace?	NA
Is a trip blank provided for each VOC sample set? VOC sample sets include EPA8011, EPA504, EPA8260, EPA624, EPA8015 GRO, EPA8021, EPA524, and RSK-175.	NA
Are all samples received appropriately preserved? Metals (except Hg, B) do not require field preservation, but lab preservation may delay analysis. Field parameters performed by the lab are always received past holding time and will be noted as such.	Yes

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill-Air
Submitted To: Connor Hicks

Date Issued: 7/1/2025 4:38:47PM

Work Order Comments

Connor Hicks notified via email for the chain of custody was received without a turn around time indicated, the samples have been logged on a standard 10 day. HEG 6/19/25 0905

EMSL Analytical, Inc.

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

EMSL Order ID: 012524081
LIMS Reference ID: AD24081
EMSL Customer ID: SMEI60

Attention: Thomas Raymond
S&ME, Inc. [SMEI60]
3201 Spring Forest Road
Raleigh, NC 27616
(919) 872-2660

Project Name: _Master Project-SMEI60
Customer PO: 215952 M
EMSL Sales Rep: Jason McDonald
Received: 06/12/2025 09:30
Reported: 06/26/2025 16:03

Samples in this Report

Lab ID	Sample	Matrix	Date Sampled	Date Received
AD24081-01	LFG-1	Air	06/11/2025	06/12/2025
AD24081-02	LFG-2	Air	06/11/2025	06/12/2025
AD24081-03	LFG-3	Air	06/11/2025	06/12/2025
AD24081-04	LFG-4	Air	06/11/2025	06/12/2025
AD24081-05	LFG-5	Air	06/11/2025	06/12/2025
AD24081-06	LFG-6	Air	06/11/2025	06/12/2025
AD24081-07	LFG-7	Air	06/11/2025	06/12/2025
AD24081-08	LFG-8	Air	06/11/2025	06/12/2025
AD24081-09	LFG-9	Air	06/11/2025	06/12/2025
AD24081-10	LFG-10	Air	06/11/2025	06/12/2025
AD24081-11	LFG-11	Air	06/11/2025	06/12/2025
AD24081-12	LFG-12	Air	06/11/2025	06/12/2025
AD24081-13	DUP-6112.25-LFG-TB	Air	06/11/2025	06/12/2025

Owen McKenna Laboratory Manager or other approved signatory

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

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted.

EMSL Analytical, Inc.

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

EMSL Order ID: 012524081
LIMS Reference ID: AD24081
EMSL Customer ID: SMEI60

Attention: Thomas Raymond
S&ME, Inc. [SMEI60]
3201 Spring Forest Road
Raleigh, NC 27616
(919) 872-2660

Project Name: _Master Project-SMEI60
Customer PO: 215952 M
EMSL Sales Rep: Jason McDonald
Received: 06/12/2025 09:30
Reported: 06/26/2025 16:03

Analysis Case Narrative

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

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

Concentrator Traps:
2.0 cc Loop

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

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

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

Holding Times:
All holding times were met.

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

Sample Pressures:

Initial Calibration:
All acceptance criteria were met.

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

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

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

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

Sample Duplicate:
All acceptance criteria were met.

EMSL Analytical, Inc.

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

EMSL Order ID: 012524081
LIMS Reference ID: AD24081
EMSL Customer ID: SMEI60

Attention: Thomas Raymond
S&ME, Inc. [SMEI60]
3201 Spring Forest Road
Raleigh, NC 27616
(919) 872-2660

Project Name: _Master Project-SMEI60
Customer PO: 215952 M
EMSL Sales Rep: Jason McDonald
Received: 06/12/2025 09:30
Reported: 06/26/2025 16:03

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: 012524081
LIMS Reference ID: AD24081
EMSL Customer ID: SMEI60

Attention: Thomas Raymond
S&ME, Inc. [SMEI60]
3201 Spring Forest Road
Raleigh, NC 27616
(919) 872-2660

Project Name: _Master Project-SMEI60
Customer PO: 215952 M
EMSL Sales Rep: Jason McDonald
Received: 06/12/2025 09:30
Reported: 06/26/2025 16:03

EMSL Sample ID: AD24081-01
Customer Sample ID: LFG-1

Collected: 06/11/2025 16:15
Received: 06/12/2025 09:30

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
06/12/25 12:39	BDF2267	R1088.D	LFG-1	2 cc	1	KW

ASTM D5504-Sample Summary

Target Compounds	Cas#	MW	Result ppbv	RL ppbv	DF	Result ug/m3	RL ug/m3	Analyzed	Q
Hydrogen Sulfide	7783-06-4	34.1	ND	10	1	ND	14	06/12/25 12:39	
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

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

Agency Definitions

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

Method Reference

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

Exposure Limit Definitions

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

EMSL Analytical, Inc.

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

EMSL Order ID: 012524081
LIMS Reference ID: AD24081
EMSL Customer ID: SMEI60

Attention: Thomas Raymond
S&ME, Inc. [SMEI60]
3201 Spring Forest Road
Raleigh, NC 27616
(919) 872-2660

Project Name: _Master Project-SMEI60
Customer PO: 215952 M
EMSL Sales Rep: Jason McDonald
Received: 06/12/2025 09:30
Reported: 06/26/2025 16:03

EMSL Sample ID: AD24081-02
Customer Sample ID: LFG-2

Collected: 06/11/2025 15:20
Received: 06/12/2025 09:30

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
06/12/25 12:52	BDF2267	R1089.D	LFG-2	2 cc	1	KW

ASTM D5504-Sample Summary

Target Compounds	Cas#	MW	Result ppbv	RL ppbv	DF	Result ug/m3	RL ug/m3	Analyzed	Q
Hydrogen Sulfide	7783-06-4	34.1	ND	10	1	ND	14	06/12/25 12:52	
Total Target Compound Concentrations:			**0**			**0**			

Threshold Refernences

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

Reference

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

Agency Definitions

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

Method Reference

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

Exposure Limit Definitions

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

EMSL Analytical, Inc.

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

EMSL Order ID: 012524081
LIMS Reference ID: AD24081
EMSL Customer ID: SMEI60

Attention: Thomas Raymond
S&ME, Inc. [SMEI60]
3201 Spring Forest Road
Raleigh, NC 27616
(919) 872-2660

Project Name: _Master Project-SMEI60
Customer PO: 215952 M
EMSL Sales Rep: Jason McDonald
Received: 06/12/2025 09:30
Reported: 06/26/2025 16:03

EMSL Sample ID: AD24081-03
Customer Sample ID: LFG-3

Collected: 06/11/2025 16:04
Received: 06/12/2025 09:30

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
06/12/25 13:05	BDF2267	R1090.D	LFG-3	2 cc	1	KW

ASTM D5504-Sample Summary

Target Compounds	Cas#	MW	Result ppbv	RL ppbv	DF	Result ug/m3	RL ug/m3	Analyzed	Q
Hydrogen Sulfide	7783-06-4	34.1	10	10	1	15	14	06/12/25 13:05	
Total Target Compound Concentrations:			10			15			

Threshold Refernences

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

Reference

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

Agency Definitions

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

Method Reference

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

Exposure Limit Definitions

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

EMSL Analytical, Inc.

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

EMSL Order ID: 012524081
LIMS Reference ID: AD24081
EMSL Customer ID: SMEI60

Attention: Thomas Raymond
S&ME, Inc. [SMEI60]
3201 Spring Forest Road
Raleigh, NC 27616
(919) 872-2660

Project Name: _Master Project-SMEI60
Customer PO: 215952 M
EMSL Sales Rep: Jason McDonald
Received: 06/12/2025 09:30
Reported: 06/26/2025 16:03

EMSL Sample ID: AD24081-04
Customer Sample ID: LFG-4

Collected: 06/11/2025 15:54
Received: 06/12/2025 09:30

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
06/12/25 13:18	BDF2267	R1091.D	LFG-4	2 cc	1	KW

ASTM D5504-Sample Summary

Target Compounds	Cas#	MW	Result ppbv	RL ppbv	DF	Result ug/m3	RL ug/m3	Analyzed	Q
Hydrogen Sulfide	7783-06-4	34.1	ND	10	1	ND	14	06/12/25 13:18	
Total Target Compound Concentrations:			**0**			**0**			

Threshold Refernences

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

Reference

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

Agency Definitions

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

Method Reference

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

Exposure Limit Definitions

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

EMSL Analytical, Inc.

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

EMSL Order ID: 012524081
LIMS Reference ID: AD24081
EMSL Customer ID: SMEI60

Attention: Thomas Raymond
S&ME, Inc. [SMEI60]
3201 Spring Forest Road
Raleigh, NC 27616
(919) 872-2660

Project Name: _Master Project-SMEI60
Customer PO: 215952 M
EMSL Sales Rep: Jason McDonald
Received: 06/12/2025 09:30
Reported: 06/26/2025 16:03

EMSL Sample ID: AD24081-05
Customer Sample ID: LFG-5
Collected: 06/11/2025 15:09
Received: 06/12/2025 09:30

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
06/12/25 13:32	BDF2267	R1092.D	LFG-5	2 cc	1	KW

ASTM D5504-Sample Summary

Target Compounds	Cas#	MW	Result ppbv	RL ppbv	DF	Result ug/m3	RL ug/m3	Analyzed	Q
Hydrogen Sulfide	7783-06-4	34.1	ND	10	1	ND	14	06/12/25 13:32	
Total Target Compound Concentrations:			**0**			**0**			

Threshold Refernences

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

Reference

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

Agency Definitions

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

Method Reference

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

Exposure Limit Definitions

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

EMSL Analytical, Inc.

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

EMSL Order ID: 012524081
LIMS Reference ID: AD24081
EMSL Customer ID: SMEI60

Attention: Thomas Raymond
S&ME, Inc. [SMEI60]
3201 Spring Forest Road
Raleigh, NC 27616
(919) 872-2660

Project Name: _Master Project-SMEI60
Customer PO: 215952 M
EMSL Sales Rep: Jason McDonald
Received: 06/12/2025 09:30
Reported: 06/26/2025 16:03

EMSL Sample ID: AD24081-06
Customer Sample ID: LFG-6

Collected: 06/11/2025 17:30
Received: 06/12/2025 09:30

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
06/12/25 13:45	BDF2267	R1093.D	LFG-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	**740**	10	1	**1000**	14	06/12/25 13:45	
Total Target Compound Concentrations:			**740**			**1000**			

Threshold Refernences

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

Reference

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

Agency Definitions

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

Method Reference

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

Exposure Limit Definitions

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

EMSL Analytical, Inc.

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

EMSL Order ID: 012524081
LIMS Reference ID: AD24081
EMSL Customer ID: SMEI60

Attention: Thomas Raymond
S&ME, Inc. [SMEI60]
3201 Spring Forest Road
Raleigh, NC 27616
(919) 872-2660

Project Name: _Master Project-SMEI60
Customer PO: 215952 M
EMSL Sales Rep: Jason McDonald
Received: 06/12/2025 09:30
Reported: 06/26/2025 16:03

EMSL Sample ID: AD24081-07
Customer Sample ID: LFG-7
Collected: 06/11/2025 17:20
Received: 06/12/2025 09:30

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
06/12/25 13:58	BDF2267	R1094.D	LFG-7	2 cc	1	KW

ASTM D5504-Sample Summary

Target Compounds	Cas#	MW	Result ppbv	RL ppbv	DF	Result ug/m3	RL ug/m3	Analyzed	Q
Hydrogen Sulfide	7783-06-4	34.1	ND	10	1	ND	14	06/12/25 13:58	
Total Target Compound Concentrations:			**0**			**0**			

Threshold Refernences

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

Reference

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

Agency Definitions

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

Method Reference

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

Exposure Limit Definitions

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

EMSL Analytical, Inc.

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

EMSL Order ID: 012524081
LIMS Reference ID: AD24081
EMSL Customer ID: SMEI60

Attention: Thomas Raymond
S&ME, Inc. [SMEI60]
3201 Spring Forest Road
Raleigh, NC 27616
(919) 872-2660

Project Name: _Master Project-SMEI60
Customer PO: 215952 M
EMSL Sales Rep: Jason McDonald
Received: 06/12/2025 09:30
Reported: 06/26/2025 16:03

EMSL Sample ID: AD24081-08
Customer Sample ID: LFG-8
Collected: 06/11/2025 17:13
Received: 06/12/2025 09:30

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
06/12/25 14:11	BDF2267	R1095.D	LFG-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	14	10	1	20	14	06/12/25 14:11	
Total Target Compound Concentrations:			14			20			

Threshold Refernences

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

Reference

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

Agency Definitions

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

Method Reference

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

Exposure Limit Definitions

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

EMSL Analytical, Inc.

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

EMSL Order ID: 012524081
LIMS Reference ID: AD24081
EMSL Customer ID: SMEI60

Attention: Thomas Raymond
S&ME, Inc. [SMEI60]
3201 Spring Forest Road
Raleigh, NC 27616
(919) 872-2660

Project Name: _Master Project-SMEI60
Customer PO: 215952 M
EMSL Sales Rep: Jason McDonald
Received: 06/12/2025 09:30
Reported: 06/26/2025 16:03

EMSL Sample ID: AD24081-09
Customer Sample ID: LFG-9
Collected: 06/11/2025 17:05
Received: 06/12/2025 09:30

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
06/12/25 14:24	BDF2267	R1096.D	LFG-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	06/12/25 14:24	
Total Target Compound Concentrations:			**0**			**0**			

Threshold Refernences

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

Reference

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

Agency Definitions

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

Method Reference

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

Exposure Limit Definitions

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

EMSL Analytical, Inc.

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

EMSL Order ID: 012524081
LIMS Reference ID: AD24081
EMSL Customer ID: SMEI60

Attention: Thomas Raymond
S&ME, Inc. [SMEI60]
3201 Spring Forest Road
Raleigh, NC 27616
(919) 872-2660

Project Name: _Master Project-SMEI60
Customer PO: 215952 M
EMSL Sales Rep: Jason McDonald
Received: 06/12/2025 09:30
Reported: 06/26/2025 16:03

EMSL Sample ID: AD24081-10
Customer Sample ID: LFG-10
Collected: 06/11/2025 16:52
Received: 06/12/2025 09:30

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
06/12/25 14:37	BDF2267	R1097.D	LFG-10	2 cc	1	KW

ASTM D5504-Sample Summary

Target Compounds	Cas#	MW	Result ppbv	RL ppbv	DF	Result ug/m3	RL ug/m3	Analyzed	Q
Hydrogen Sulfide	7783-06-4	34.1	**850**	10	1	**1200**	14	06/12/25 14:37	
Total Target Compound Concentrations:			**850**			**1200**			

Threshold Refernences

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

Reference

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

Agency Definitions

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

Method Reference

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

Exposure Limit Definitions

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

EMSL Analytical, Inc.

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

EMSL Order ID: 012524081
LIMS Reference ID: AD24081
EMSL Customer ID: SMEI60

Attention: Thomas Raymond
S&ME, Inc. [SMEI60]
3201 Spring Forest Road
Raleigh, NC 27616
(919) 872-2660

Project Name: _Master Project-SMEI60
Customer PO: 215952 M
EMSL Sales Rep: Jason McDonald
Received: 06/12/2025 09:30
Reported: 06/26/2025 16:03

EMSL Sample ID: AD24081-11
Customer Sample ID: LFG-11

Collected: 06/11/2025 15:30
Received: 06/12/2025 09:30

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
06/12/25 15:29	BDF2267	R1101.D	LFG-11	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	06/12/25 15:29	
Total Target Compound Concentrations:			**0**			**0**			

Threshold Refernences

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

Reference

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

Agency Definitions

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

Method Reference

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

Exposure Limit Definitions

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

EMSL Analytical, Inc.

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

EMSL Order ID: 012524081
LIMS Reference ID: AD24081
EMSL Customer ID: SMEI60

Attention: Thomas Raymond
S&ME, Inc. [SMEI60]
3201 Spring Forest Road
Raleigh, NC 27616
(919) 872-2660

Project Name: _Master Project-SMEI60
Customer PO: 215952 M
EMSL Sales Rep: Jason McDonald
Received: 06/12/2025 09:30
Reported: 06/26/2025 16:03

EMSL Sample ID: AD24081-12
Customer Sample ID: LFG-12
Collected: 06/11/2025 16:58
Received: 06/12/2025 09:30

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
06/12/25 15:43	BDF2267	R1102.D	LFG-12	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	88	10	1	120	14	06/12/25 15:43	
Total Target Compound Concentrations:			88			120			

Threshold Refernences

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

Reference

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

Agency Definitions

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

Method Reference

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

Exposure Limit Definitions

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

EMSL Analytical, Inc.

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

EMSL Order ID: 012524081
LIMS Reference ID: AD24081
EMSL Customer ID: SMEI60

Attention: Thomas Raymond
S&ME, Inc. [SMEI60]
3201 Spring Forest Road
Raleigh, NC 27616
(919) 872-2660

Project Name: _Master Project-SMEI60
Customer PO: 215952 M
EMSL Sales Rep: Jason McDonald
Received: 06/12/2025 09:30
Reported: 06/26/2025 16:03

EMSL Sample ID: AD24081-13
Customer Sample ID: DUP-6112.25-LFG-TB
Collected: 06/11/2025 00:00
Received: 06/12/2025 09:30

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
06/12/25 15:56	BDF2267	R1103.D	DUP-6112.25-LFG-TB	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	06/12/25 15:56	
Total Target Compound Concentrations:			**0**			**0**			

Threshold Refernences

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

Reference

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

Agency Definitions

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

Method Reference

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

Exposure Limit Definitions

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

EMSL Analytical, Inc.

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

EMSL Order ID: 012524081
LIMS Reference ID: AD24081
EMSL Customer ID: SMEI60

Attention: Thomas Raymond
S&ME, Inc. [SMEI60]
3201 Spring Forest Road
Raleigh, NC 27616
(919) 872-2660

Project Name: _Master Project-SMEI60
Customer PO: 215952 M
EMSL Sales Rep: Jason McDonald
Received: 06/12/2025 09:30
Reported: 06/26/2025 16:03

Notes and Definitions

Item	Definition
ND	Non Detect. This notation would be used in the results column in lieu of a "U" qualifier.
U	Compound was analyzed for but not detected at a listed and appropriately adjusted reporting level.
J(Target)	Concentration estimated between Reporting Limit and MDL.
J	Estimated value reported below adjusted reporting limit for target compounds or estimating a concentration for TICs where a 1:1 response is assumed
B	Compound found in associated method blank as well as in the sample.
E	Estimated value exceeding upper calibration range of instrument. Ethanol and isopropyl alcohol are not specifically targeted to dilute within calibration range.
D	Compound reported from additional diluted analysis.
N	indicates presumptive evidence of a compound based on library search match.

EMSL ANALYTICAL, INC.
TESTING LABS • PRODUCTS • TRAINING

Industrial Hygiene - Chain of Custody

EMSL Order Number / Lab Use Only: AJ24081

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

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

Customer Information

Customer ID:
Company Name: S&ME Inc
Contact Name: Thomas Raymond
Street Address: 3201 Spring Forest Road
City, State, Zip: Raleigh NC 27616
Country: USA
Phone: 919-872-2660
Email(s) for Report: traymond@smeinc.com

Billing Information

Billing ID:
Company Name: S&ME Inc
Billing Contact:
Street Address:
City, State, Zip:
Country: USA
Phone:
Email(s) for Invoice: traymond@smeinc.com

Project Name/No: Southside Park LF
Purchase Order: 215952M
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: Chase Porter
Sampled By Signature: C Porter
No. Samples in Shipment: 13

Turnaround Time (TAT) Options - Please check: (If no selection made, Standard 2 Week (EOD) TAT will apply)
☐ 2 Week ☐ 1 Week ☐ 4 Day ☐ 3 Day ☐ 2 Day ☐ 1 Day ☐ Other (Call Lab)

Client Sample ID	Location/Description	Analyte/ Method	Media	Flow (lpm)	Sample Time On	Sample Time Off	Volume/Area	Sample Type	Sample Date	Comments
LFG-1		ASTM D5504	Gas	0.25 L/min		1615		☒ Area ☐ Personal	6/11/2025	
LFG-2						1520		☒ Area ☐ Personal		
LFG-3						1604		☒ Area ☐ Personal		
LFG-4						1554		☒ Area ☐ Personal		
LFG-5						1509		☒ Area ☐ Personal		
LFG-6						1730		☒ Area ☐ Personal		
LFG-7						1720		☒ Area ☐ Personal		
LFG-8						1713		☒ Area ☐ Personal		

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

RECEIVED EMSL CINNAMINSON, N.J. 2025 JUN 12 A 10:34

Method of Shipment:
Sample Condition Upon Receipt:

Relinquished by: C Porter	Date/Time: 6/11/2025 1800	Received by: SG EFX	Date/Time 6/12/25 9:30
Relinquished by:	Date/Time:	Received by:	Date/Time 6/12/25 1048

Controlled Document - COC-21 Industrial Hygiene R4 06/12/2021

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

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

13 SG

EMSL ANALYTICAL, INC.
TESTING LABS • PRODUCTS • TRAINING

Industrial Hygiene - Chain of Custody

EMSL Order Number / Lab Use Only

AD 24081

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

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

Client Sample ID	Location/Description	Analyte/ Method	Media	Flow (lpm)	Sample Time On	Sample Time Off	Volume/Area	Sample Type	Sample Date	Comments
LFG-9		ASTM D5504	Gas	0.25mL/min		1705		☒ Area ☐ Personal	6/11/2025	
LFG-10		↓	↓	↓		1652		☒ Area ☐ Personal	↓	
LFG-11						1530		☒ Area ☐ Personal		
LFG-12						1658		☒ Area ☐ Personal		
Dup-6112025-LFG-TB						—		☒ Area ☐ Personal		
								☐ Area ☐ Personal		
								☐ Area ☐ Personal		
								☐ Area ☐ Personal		
								☐ Area ☐ Personal		
								☐ Area ☐ Personal		
								☐ Area ☐ Personal		
								☐ Area ☐ Personal		
								☐ Area ☐ Personal		
								☐ Area ☐ Personal		
								☐ Area ☐ Personal		
								☐ Area ☐ Personal		

RECEIVED
EMSL
CINNAMINSON, N.J.
2025 JUN 12 A 10:34

Method of Shipment:		Sample Condition Upon Receipt:	
Relinquished by:	Date/Time: 6/11/2025 1800	Received by:	Date/Time
Relinquished by:	Date/Time:	Received by:	Date/Time 6/12/25 1048

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

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

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

EMSL Analytical, Inc.

10801 Southern Loop Blvd, Pineville, NC, 28134
Telephone: (704) 525-2205 Fax:(704) 525-2382
emsl.com

EMSL Order ID: 412550674
LIMS Reference ID: LD50674
EMSL Customer ID: SMEI60

Attention: Thomas Raymond
S&ME, Inc. [SMEI60]
3201 Spring Forest Road
Raleigh, NC 27616
(919) 872-2660

Project Name: Southside Park LF

Customer PO: 215952M
EMSL Sales Rep: Jason McDonald
Received: 06/12/2025 08:22
Reported: 06/26/2025 08:44

Analytical Results

Analyte	Results	RL	Volume(L)	Prep Date & Tech	Prep Method	Analysis Date & Analyst	Analytical Method	Q	DF
Client Sample ID: LFG-1									**Date Sampled: 06/11/25**
Matrix: Tubes									**LIMS Reference ID: LD50674-01**
Mercury	<0.67 µg/m³	0.67 µg/m³	15	06/18/25 N.C.	NIOSH 6009	06/18/25 N.C.	NIOSH 6009		1
Sample Comments:									
Client Sample ID: LFG-2									**Date Sampled: 06/11/25**
Matrix: Tubes									**LIMS Reference ID: LD50674-02**
Mercury	<0.67 µg/m³	0.67 µg/m³	15	06/18/25 N.C.	NIOSH 6009	06/18/25 N.C.	NIOSH 6009		1
Sample Comments:									
Client Sample ID: LFG-3									**Date Sampled: 06/11/25**
Matrix: Tubes									**LIMS Reference ID: LD50674-03**
Mercury	<0.67 µg/m³	0.67 µg/m³	15	06/18/25 N.C.	NIOSH 6009	06/18/25 N.C.	NIOSH 6009		1
Sample Comments:									
Client Sample ID: LFG-4									**Date Sampled: 06/11/25**
Matrix: Tubes									**LIMS Reference ID: LD50674-04**
Mercury	<0.67 µg/m³	0.67 µg/m³	15	06/18/25 N.C.	NIOSH 6009	06/18/25 N.C.	NIOSH 6009		1
Sample Comments:									
Client Sample ID: LFG-5									**Date Sampled: 06/11/25**
Matrix: Tubes									**LIMS Reference ID: LD50674-05**
Mercury	<0.67 µg/m³	0.67 µg/m³	15	06/18/25 N.C.	NIOSH 6009	06/18/25 N.C.	NIOSH 6009		1
Sample Comments:									
Client Sample ID: LFG-6									**Date Sampled: 06/11/25**
Matrix: Tubes									**LIMS Reference ID: LD50674-06**
Mercury	<0.67 µg/m³	0.67 µg/m³	15	06/18/25 N.C.	NIOSH 6009	06/18/25 N.C.	NIOSH 6009		1
Sample Comments:									
Client Sample ID: LFG-7									**Date Sampled: 06/11/25**
Matrix: Tubes									**LIMS Reference ID: LD50674-07**
Mercury	<0.67 µg/m³	0.67 µg/m³	15	06/18/25 N.C.	NIOSH 6009	06/18/25 N.C.	NIOSH 6009		1
Sample Comments:									
Client Sample ID: LFG-8									**Date Sampled: 06/11/25**
Matrix: Tubes									**LIMS Reference ID: LD50674-08**
Mercury	<0.67 µg/m³	0.67 µg/m³	15	06/18/25 N.C.	NIOSH 6009	06/18/25 N.C.	NIOSH 6009		1
Sample Comments:									
Client Sample ID: LFG-9									**Date Sampled: 06/11/25**
Matrix: Tubes									**LIMS Reference ID: LD50674-09**
Mercury	<0.67 µg/m³	0.67 µg/m³	15	06/18/25 N.C.	NIOSH 6009	06/18/25 N.C.	NIOSH 6009		1
Sample Comments:									

EMSL Analytical, Inc.

10801 Southern Loop Blvd, Pineville, NC, 28134
Telephone: (704) 525-2205 Fax:(704) 525-2382
emsl.com

EMSL Order ID: 412550674
LIMS Reference ID: LD50674
EMSL Customer ID: SMEI60

Attention: Thomas Raymond
S&ME, Inc. [SMEI60]
3201 Spring Forest Road
Raleigh, NC 27616
(919) 872-2660

Project Name: Southside Park LF

Customer PO: 215952M
EMSL Sales Rep: Jason McDonald
Received: 06/12/2025 08:22
Reported: 06/26/2025 08:44

Analytical Results (Continued)

Analyte	Results	RL	Volume(L)	Prep Date & Tech	Prep Method	Analysis Date & Analyst	Analytical Method	Q	DF
Client Sample ID: LFG-10									**Date Sampled: 06/11/25**
Matrix: Tubes									**LIMS Reference ID: LD50674-10**
Mercury	<0.67 µg/m³	0.67 µg/m³	15	06/18/25 N.C.	NIOSH 6009	06/18/25 N.C.	NIOSH 6009		1
Sample Comments:									
Client Sample ID: LFG-11									**Date Sampled: 06/11/25**
Matrix: Tubes									**LIMS Reference ID: LD50674-11**
Mercury	<0.67 µg/m³	0.67 µg/m³	15	06/18/25 N.C.	NIOSH 6009	06/18/25 N.C.	NIOSH 6009		1
Sample Comments:									
Client Sample ID: LFG-12									**Date Sampled: 06/11/25**
Matrix: Tubes									**LIMS Reference ID: LD50674-12**
Mercury	<0.67 µg/m³	0.67 µg/m³	15	06/18/25 N.C.	NIOSH 6009	06/18/25 N.C.	NIOSH 6009		1
Sample Comments:									
Client Sample ID: DUP-Hg									**Date Sampled: 06/11/25**
Matrix: Tubes									**LIMS Reference ID: LD50674-13**
Mercury	<0.00067 ug/tube	0.00067 ug/tube		06/18/25 N.C.	NIOSH 6009	06/18/25 N.C.	NIOSH 6009		1
Sample Comments:									

EMSL Analytical, Inc.

10801 Southern Loop Blvd, Pineville, NC, 28134
Telephone: (704) 525-2205 Fax:(704) 525-2382
emsl.com

EMSL Order ID: 412550674
LIMS Reference ID: LD50674
EMSL Customer ID: SMEI60

Attention: Thomas Raymond
S&ME, Inc. [SMEI60]
3201 Spring Forest Road
Raleigh, NC 27616
(919) 872-2660

Project Name: Southside Park LF

Customer PO: 215952M
EMSL Sales Rep: Jason McDonald
Received: 06/12/2025 08:22
Reported: 06/26/2025 08:44

Certified Analyses included in this Report

Analyte	Certifications
NIOSH 6009 in Tubes	
Mercury	41-AIHA IHLAP

List of Certifications

Code	Description	Number	Expires
41-AIHA ELLAP	American Industrial Hygiene Association (AIHA LAP, LLC) - ELLAP	192283	12/01/2026
41-AIHA EMLAP	American Industrial Hygiene Association (AIHA LAP, LLC) - EMLAP	192283	12/01/2026
41-AIHA IHLAP	American Industrial Hygiene Association (AIHA LAP, LLC) - IHLAP	192283	12/01/2026

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.

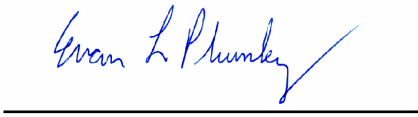
10801 Southern Loop Blvd, Pineville, NC, 28134
Telephone: (704) 525-2205 Fax:(704) 525-2382
emsl.com

EMSL Order ID: 412550674
LIMS Reference ID: LD50674
EMSL Customer ID: SMEI60

Attention: Thomas Raymond
S&ME, Inc. [SMEI60]
3201 Spring Forest Road
Raleigh, NC 27616
(919) 872-2660

Project Name: Southside Park LF

Customer PO: 215952M
EMSL Sales Rep: Jason McDonald
Received: 06/12/2025 08:22
Reported: 06/26/2025 08:44



Lee Plumley 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.
LABORATORY • PRODUCTS • TRAINING

Environmental Chemistry Chain of Custody

EMSL Order Number / Lab Use Only: LD50674 /

EMSL Analytical, Inc.
Pineville, NC 28134
PHONE: (704) 525-2205
EMAIL: charlottelab@EMSL.com

Customer Information

Customer ID:
Company Name: Aerostar Environmental and Construction
Contact Name: Miles Eckert
Street Address: 3550 St. Johns Bluff Road S
City, State, Zip: Jacksonville FL 32224 Country: US
Phone: (904) 565-2820
Email(s) for Report: meckert@bbch-llc.com

Billing Information

Billing ID:
Company Name: Aerostar Environmental and Construction
Billing Contact: Miles Eckert
Street Address: 3550 St. Johns Bluff Road S
City, State, Zip: Jacksonville FL 32224 Country: US
Phone: (904) 565-2820
Email(s) for Invoice: EnviroAP@bbch-llc.com

Project Name/No: 117.25.013.0002 / Patrick SFB - Hangar 985
Purchase Order: 117.25.013.0002

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

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

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

Sampled By Name:
Sampled By Signature:
No. of Samples in Shipment: 5

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

Client Sample ID	Comp	Grab	Date / Time Collected	Matrix (W=Water, S=Soil, A=Air, SL=Sludge, O=Other)	Preservative (1 HCL, 2 HNO3, 3 H2SO4, 4 ICE, 5 Other – Describe below in Special Instructions)	Test 1: ICP Lead	Test 2: ICP Cadmium	Test 3: ICP Chromium	Test 4:	Test 5:	Test 6:	Test 7:	Test 8:	Comments
985-PC-1	☐	☑	6/5/25	O	None	☑	☑	☑	☐	☐	☐	☐	☐	Gray Metal I-Beam
985-PC-2	☐	☑	6/5/25	O	None	☑	☑	☑	☐	☐	☐	☐	☐	Gray Metal I-Beam
985-PC-3	☐	☑	6/5/25	O	None	☑	☑	☑	☐	☐	☐	☐	☐	Beige Metal I-Beam
985-PC-4	☐	☑	6/5/25	O	None	☑	☑	☑	☐	☐	☐	☐	☐	Brown Metal Railing

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

Reporting Requirements: ☐ Results Only ☐ Results and QC ☐ Reduced Deliverables ☐ Hzresults EDD ☐ Excel ☐ Other (Describe Above)

Method of Shipment:
Sample Condition Upon Receipt:

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

Relinquished by: Date/Time:
Received by: QG Date/Time: 6/13/25 1000

☐ AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.) EFX7918 0098 8226

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.

Industrial Hygiene - Chain of Custody

EMSL Order Number / Lab Use Only: 412506030 / LD50674

EMSL ANALYTICAL INC.

EMSL Analytical, Inc.
[illegible] Southern Loop Blvd
Pineville, NC 28134
PHONE: (704) 525-2205
EMAIL: CharlotteLab@EMSL.com

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

Customer Information

Customer ID:
Company Name: SME Inc
Contact Name: Thomas Raymond
Street Address: 3201 Spring Forest Road
City, State, Zip: Raleigh, NC 27616
Country: USA
Phone: 919-872-2660
Email(s) for Report: traymond@smeinc.com

Billing Information

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

Project Name/No: Southside Park LF
Purchase Order: 215952M

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: Chase Porter
Sampled By Signature: [signature]
No. Samples in Shipment: 13

Turnaround Time (TAT) Options - Please check: (If no selection made, Standard 2 Week (EOD) TAT will apply)
☒ 2 Week ☐ 1 Week ☐ 4 Day ☐ 3 Day ☐ 2 Day ☐ 1 Day ☐ Other (Call Lab)

Client Sample ID	Location/Description	Analyte/ Method	Media	Flow (lpm)	Sample Time On	Sample Time Off	Sample Type	Sample Date	Comments
LFG-1	NE	PSH 6009	Bag	0.25 mL/min	1440	1540	☐ Area ☐ Personal	6/11/2025	
LFG-2					1126	1226	☒ Area ☐ Personal		
LFG-3					1455	1555	☒ Area ☐ Personal		
LFG-4					1440	1540	☒ Area ☐ Personal		
LFG-5					1136	1236	☒ Area ☐ Personal		
LFG-6					1433	1533	☒ Area ☐ Personal		
LFG-7					1145	1245	☒ Area ☐ Personal		
LFG-8					1150	1250	☒ Area ☐ Personal		
LFG-9					1317	1417	☒ Area ☐ Personal		
LFG-10					1319	1419	☒ Area ☐ Personal		

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

Method of Shipment:
Sample Condition Upon Receipt:

Relinquished by: [signature] Date/Time: 6/12/25 0822
Received by: [signature] Date/Time: 6/13/25 8:22am

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

Controlled Document - COC-21 Industrial Hygiene R3 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.

Industrial Hygiene - Chain of Custody

EMSL Order Number / Lab Use Only: 6030 / LD50674

EMSL Analytical, Inc.
[illegible] Southern Trace Blvd
Pineville, NC 28134
PHONE: (704) 525-2205
EMAIL: [illegible]

EMSL ANALYTICAL, INC.
TESTING LABS • PRODUCTS • TRAINING

Customer Information

Customer ID:
Company Name: SAME Inc.
Contact Name: Thomas Raymond
Street Address: 3201 Spring Forest Road
City, State, Zip: Raleigh, NC 27616
Country: USA
Phone: 919-872-2660
Email(s) for Report: traymond@smeincocom

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

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

Project Name/No: Southside Park LF
Purchase Order: 215952 M.

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: Chase Porter
Sampled By Signature:
No. Samples In Shipment: 15

Turnaround Time (TAT) Options - Please check: (If no selection made, Standard 2 Week (EOD) TAT will apply) ☐ 2 Week ☐ 1 Week ☒ 4 Day ☐ 3 Day ☐ 2 Day ☐ 1 Day ☐ Other (Call Lab)

Client Sample ID	Location/Description	Analyte/ Method	Media	Flow (lpm)	Sample Time On	Sample Time Off	Sample Type	Sample Date	Comments
LFG-11	NIOSH	6009		0.25	1322	1422	☒ Area ☐ Personal	6/11/2025	
LFG-Ha					1320	1420	☒ Area ☐ Personal		
DUP-Hg					—	—	☒ Area ☐ Personal		
							☐ Area ☐ Personal		
							☐ Area ☐ Personal		
							☐ Area ☐ Personal		
							☐ Area ☐ Personal		
							☐ Area ☐ Personal		
							☐ Area ☐ Personal		
							☐ Area ☐ Personal		

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

Method of Shipment:
Sample Condition Upon Receipt:
Relinquished by: [signature]
Date/Time: 6/12/2025 0822
Received by:
Date/Time
Relinquished by:
Date/Time:
Received by:
Date/Time

Controlled Document - COC-21 Industrial Hygiene R3 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.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Thomas Raymond
S&ME Inc
3201 Spring Forest Road
Raleigh, North Carolina 27616

Generated 6/25/2025 10:53:23 AM

JOB DESCRIPTION

Southside Park LF

JOB NUMBER

400-277476-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



Generated
6/25/2025 10:53:23 AM

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

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Detection Summary 6
Sample Summary 14
Client Sample Results 15
Definitions 67
Surrogate Summary 69
QC Association 71
QC Sample Results 78
Chronicle 98
Method Summary 111
Certification Summary 112
Chain of Custody 113
Receipt Checklists 117

Job Narrative
400-277476-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 6/12/2025 9:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 0.4°C, 3.7°C, 3.7°C and 4.3°C.

GC/MS VOA
Method 8260D: The laboratory control sample (LCS) for analytical batch 400-713507 recovered outside control limits for the following analyte: Isopropyl ether. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

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 RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 400-712641 and analytical batch 400-712866 recovered outside control limits for the following analytes: Hexachlorobutadiene and Hexachlorocyclopentadiene. However, the LCS and LCSD recoveries met acceptance criteria.

Method 8270E_SIM_ID_D5: The following sample was diluted due to the nature of the sample matrix: MW-6 (400-277476-6). Elevated reporting limits (RLs) are provided.

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

HPLC/IC
Method 9056A_ORGFM_28D: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-3 (400-277476-3), MW-7 (400-277476-7) and MW-9 (400-277476-9). Elevated reporting limits (RLs) are provided.

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

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

General Chemistry
Method 350.1: The following samples were diluted to bring the concentration of Ammonia within the calibration range: MW-4 (400-277476-4), MW-6 (400-277476-6) and DUP-692025 (400-277476-11). Elevated reporting limits (RLs) are provided.

Method SM4500_NO2_B: The following samples were received outside of holding time for Nitrite analysis: MW-1 (400-277476-1), MW-2 (400-277476-2), MW-4 (400-277476-4), MW-5 (400-277476-5), MW-6 (400-277476-6), MW-7 (400-277476-7), MW-10 (400-277476-10), DUP-692025 (400-277476-11) and DUP-6102025 (400-277476-12).

Method SM4500_NO2_B: The following samples were received with insufficient time remaining to perform the Nitrite analysis within holding time: MW-3 (400-277476-3), MW-8 (400-277476-8) and MW-9 (400-277476-9).

Method SM4500_NO2_B: The following sample was diluted to bring the concentration of Nitrite within the calibration range: MW-9

(400-277476-9). Elevated reporting limits (RLs) are provided.

Method SM4500_NO3_F: The following samples were diluted to bring the concentration of Nitrate Nitrite as N within the calibration range: MW-1 (400-277476-1), MW-7 (400-277476-7) and MW-8 (400-277476-8). Elevated reporting limits (RLs) are provided.

Method SM4500_NO3_F: The method blank for analytical batch 400-713259 contained Nitrate Nitrite as N above the method detection limit (MDL). Associated samples were not re-analyzed because the sample results for Nitrate Nitrite as N were greater than 10X the value found in the method blank.

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: Southside Park LF

Job ID: 400-277476-1

Client Sample ID: MW-1 — Lab Sample ID: 400-277476-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	28.9		1.00	0.390	mg/L	1		9056A	Total/NA
Barium	33.9		5.00	0.890	ug/L	1		6020B	Total Recoverable
Chromium	8.60		5.00	1.20	ug/L	1		6020B	Total Recoverable
Cobalt	7.17		0.500	0.220	ug/L	1		6020B	Total Recoverable
Copper	7.36		5.00	1.08	ug/L	1		6020B	Total Recoverable
Lead	0.310	J	2.50	0.210	ug/L	1		6020B	Total Recoverable
Manganese	1410		5.00	2.20	ug/L	1		6020B	Total Recoverable
Nickel	13.4		5.00	0.420	ug/L	1		6020B	Total Recoverable
Vanadium	11.5		10.0	0.630	ug/L	1		6020B	Total Recoverable
Zinc	20.9		20.0	2.80	ug/L	1		6020B	Total Recoverable
Nitrate as N	1.92	H H3	0.0500	0.0180	mg/L	1		Nitrate by calc	Total/NA
Nitrite as N	0.0438	J H H3	0.100	0.0180	mg/L	1		SM 4500 NO2 B	Total/NA
Nitrate Nitrite as N	1.96	F1	0.250	0.0900	mg/L	5		SM 4500 NO3 F	Total/NA

Client Sample ID: MW-2 — Lab Sample ID: 400-277476-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	3.79	J	5.00	3.00	ug/L	1		8260D	Total/NA
2-Methylnaphthalene	1.64	J	10.1	0.818	ug/L	1		8270E	Total/NA
Naphthalene	3.53	J	10.1	0.758	ug/L	1		8270E	Total/NA
Sulfate	26.6		1.00	0.390	mg/L	1		9056A	Total/NA
Barium	222		5.00	0.890	ug/L	1		6020B	Total Recoverable
Beryllium	0.365	J	0.500	0.200	ug/L	1		6020B	Total Recoverable
Cadmium	0.155	J	0.500	0.0780	ug/L	1		6020B	Total Recoverable
Chromium	4.47	J	5.00	1.20	ug/L	1		6020B	Total Recoverable
Cobalt	18.0		0.500	0.220	ug/L	1		6020B	Total Recoverable
Copper	57.3		5.00	1.08	ug/L	1		6020B	Total Recoverable
Lead	7.06		2.50	0.210	ug/L	1		6020B	Total Recoverable
Manganese	3530		5.00	2.20	ug/L	1		6020B	Total Recoverable
Nickel	12.9		5.00	0.420	ug/L	1		6020B	Total Recoverable
Selenium	1.08	J	2.50	0.990	ug/L	1		6020B	Total Recoverable
Vanadium	32.6		10.0	0.630	ug/L	1		6020B	Total Recoverable
Zinc	73.7		20.0	2.80	ug/L	1		6020B	Total Recoverable
Ammonia (as N)	0.113		0.0500	0.0460	mg/L	1		350.1	Total/NA
Nitrate as N	1.64	H H3	0.0500	0.0180	mg/L	1		Nitrate by calc	Total/NA
Nitrate Nitrite as N	1.64		0.0500	0.0180	mg/L	1		SM 4500 NO3 F	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Detection Summary

Client: S&ME Inc
Project/Site: Southside Park LF

Job ID: 400-277476-1

Client Sample ID: MW-3

Lab Sample ID: 400-277476-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.35		1.00	0.200	ug/L	1		8260D	Total/NA
Tetrachloroethene	1.12		1.00	0.330	ug/L	1		8260D	Total/NA
Trichloroethene	0.616	J	1.00	0.150	ug/L	1		8260D	Total/NA
Caprolactam	10.4		10.0	2.40	ug/L	1		8270E	Total/NA
Sulfate	65.5		5.00	1.95	mg/L	5		9056A	Total/NA
Antimony	1.12	J	5.00	0.340	ug/L	1		6020B	Total Recoverable
Arsenic	0.870	J	3.00	0.860	ug/L	1		6020B	Total Recoverable
Barium	235		5.00	0.890	ug/L	1		6020B	Total Recoverable
Chromium	21.5		5.00	1.20	ug/L	1		6020B	Total Recoverable
Cobalt	4.61		0.500	0.220	ug/L	1		6020B	Total Recoverable
Copper	7.40		5.00	1.08	ug/L	1		6020B	Total Recoverable
Lead	1.11	J	2.50	0.210	ug/L	1		6020B	Total Recoverable
Manganese	778		5.00	2.20	ug/L	1		6020B	Total Recoverable
Nickel	13.6		5.00	0.420	ug/L	1		6020B	Total Recoverable
Vanadium	15.7		10.0	0.630	ug/L	1		6020B	Total Recoverable
Zinc	23.0		20.0	2.80	ug/L	1		6020B	Total Recoverable
Nitrate as N	0.202	H	0.0500	0.0180	mg/L	1		Nitrate by calc	Total/NA
Nitrate Nitrite as N	0.202		0.0500	0.0180	mg/L	1		SM 4500 NO3 F	Total/NA

Client Sample ID: MW-4

Lab Sample ID: 400-277476-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	12.0		0.274	0.274	ug/L	1		8270E SIM ID	Total/NA
4-Chloro-3-methylphenol	1.20	J	10.0	0.730	ug/L	1		8270E	Total/NA
Acenaphthene	1.28	J	10.0	0.630	ug/L	1		8270E	Total/NA
Carbazole	0.970	J	10.0	0.320	ug/L	1		8270E	Total/NA
N-Nitrosodiphenylamine	0.201	J	10.0	0.190	ug/L	1		8270E	Total/NA
Sulfate	22.4		1.00	0.390	mg/L	1		9056A	Total/NA
Arsenic	2.91	J	3.00	0.860	ug/L	1		6020B	Total Recoverable
Barium	646		5.00	0.890	ug/L	1		6020B	Total Recoverable
Cadmium	0.150	J	0.500	0.0780	ug/L	1		6020B	Total Recoverable
Chromium	2.67	J	5.00	1.20	ug/L	1		6020B	Total Recoverable
Cobalt	16.5		0.500	0.220	ug/L	1		6020B	Total Recoverable
Copper	6.34		5.00	1.08	ug/L	1		6020B	Total Recoverable
Lead	27.2		2.50	0.210	ug/L	1		6020B	Total Recoverable
Manganese	1290		5.00	2.20	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-4 (Continued) — Lab Sample ID: 400-277476-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	5.50		5.00	0.420	ug/L	1		6020B	Total Recoverable
Vanadium	15.8		10.0	0.630	ug/L	1		6020B	Total Recoverable
Zinc	66.0		20.0	2.80	ug/L	1		6020B	Total Recoverable
Mercury	0.123	J	0.200	0.0800	ug/L	1		7470A	Total/NA
Ammonia (as N)	24.7		0.500	0.460	mg/L	10		350.1	Total/NA
Nitrate as N	0.0260	J H H3	0.0500	0.0180	mg/L	1		Nitrate by calc	Total/NA
Nitrate Nitrite as N	0.0260	J	0.0500	0.0180	mg/L	1		SM 4500 NO3 F	Total/NA

Client Sample ID: MW-5 — Lab Sample ID: 400-277476-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	1.15		1.00	0.390	mg/L	1		9056A	Total/NA
Antimony	0.660	J	5.00	0.340	ug/L	1		6020B	Total Recoverable
Arsenic	1.20	J	3.00	0.860	ug/L	1		6020B	Total Recoverable
Barium	554		5.00	0.890	ug/L	1		6020B	Total Recoverable
Beryllium	0.600		0.500	0.200	ug/L	1		6020B	Total Recoverable
Cadmium	0.270	J	0.500	0.0780	ug/L	1		6020B	Total Recoverable
Chromium	10.3		5.00	1.20	ug/L	1		6020B	Total Recoverable
Cobalt	16.5		0.500	0.220	ug/L	1		6020B	Total Recoverable
Copper	84.8		5.00	1.08	ug/L	1		6020B	Total Recoverable
Lead	29.3		2.50	0.210	ug/L	1		6020B	Total Recoverable
Manganese	2410		5.00	2.20	ug/L	1		6020B	Total Recoverable
Nickel	7.49		5.00	0.420	ug/L	1		6020B	Total Recoverable
Vanadium	58.1		10.0	0.630	ug/L	1		6020B	Total Recoverable
Zinc	94.3		20.0	2.80	ug/L	1		6020B	Total Recoverable
Ammonia (as N)	2.56		0.0500	0.0460	mg/L	1		350.1	Total/NA

Client Sample ID: MW-6 — Lab Sample ID: 400-277476-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	0.582	J	1.00	0.420	ug/L	1		8260D	Total/NA
Isopropylbenzene	2.15		1.00	0.530	ug/L	1		8260D	Total/NA
sec-Butylbenzene	1.06		1.00	0.700	ug/L	1		8260D	Total/NA
2-Methylnaphthalene	6.02	J	9.71	0.786	ug/L	1		8270E	Total/NA
4-Chloro-3-methylphenol	3.83	J	9.71	0.709	ug/L	1		8270E	Total/NA
Acenaphthene	3.95	J	9.71	0.612	ug/L	1		8270E	Total/NA
Anthracene	1.11	J	9.71	0.883	ug/L	1		8270E	Total/NA
Bis(2-ethylhexyl) phthalate	4.55	J	9.71	3.88	ug/L	1		8270E	Total/NA
Dibenzofuran	1.28	J	9.71	0.621	ug/L	1		8270E	Total/NA
Fluoranthene	3.20	J	9.71	0.612	ug/L	1		8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-6 (Continued)

Lab Sample ID: 400-277476-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluorene	2.67	J	9.71	0.650	ug/L	1		8270E	Total/NA
N-Nitrosodiphenylamine	0.581	J	9.71	0.184	ug/L	1		8270E	Total/NA
Phenanthrene	5.96	J	9.71	0.718	ug/L	1		8270E	Total/NA
Pyrene	2.79	J	9.71	0.612	ug/L	1		8270E	Total/NA
Sulfate	1.46		1.00	0.390	mg/L	1		9056A	Total/NA
Arsenic	2.27	J	3.00	0.860	ug/L	1		6020B	Total Recoverable
Barium	730		5.00	0.890	ug/L	1		6020B	Total Recoverable
Beryllium	0.325	J	0.500	0.200	ug/L	1		6020B	Total Recoverable
Cadmium	0.840		0.500	0.0780	ug/L	1		6020B	Total Recoverable
Chromium	5.71		5.00	1.20	ug/L	1		6020B	Total Recoverable
Cobalt	8.85		0.500	0.220	ug/L	1		6020B	Total Recoverable
Copper	1.57	J	5.00	1.08	ug/L	1		6020B	Total Recoverable
Lead	65.9		2.50	0.210	ug/L	1		6020B	Total Recoverable
Manganese	380		5.00	2.20	ug/L	1		6020B	Total Recoverable
Nickel	6.93		5.00	0.420	ug/L	1		6020B	Total Recoverable
Vanadium	19.9		10.0	0.630	ug/L	1		6020B	Total Recoverable
Zinc	1130		20.0	2.80	ug/L	1		6020B	Total Recoverable
Mercury	0.236		0.200	0.0800	ug/L	1		7470A	Total/NA
Ammonia (as N)	38.7		1.00	0.920	mg/L	20		350.1	Total/NA
Nitrate as N	0.0180	J H H3	0.0500	0.0180	mg/L	1		Nitrate by calc	Total/NA
Nitrate Nitrite as N	0.0180	J	0.0500	0.0180	mg/L	1		SM 4500 NO3 F	Total/NA

Client Sample ID: MW-7

Lab Sample ID: 400-277476-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	47.7		5.00	3.00	ug/L	1		8260D	Total/NA
1,1'-Biphenyl	1.71	J	9.62	0.404	ug/L	1		8270E	Total/NA
2,4-Dimethylphenol	0.286	J	9.62	0.231	ug/L	1		8270E	Total/NA
2,4-Dinitrotoluene	1.48	J	9.62	0.625	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	6.97	J	9.62	0.779	ug/L	1		8270E	Total/NA
Acenaphthene	9.89		9.62	0.606	ug/L	1		8270E	Total/NA
Anthracene	2.37	J	9.62	0.875	ug/L	1		8270E	Total/NA
Carbazole	19.0		9.62	0.308	ug/L	1		8270E	Total/NA
Dibenzofuran	6.68	J	9.62	0.615	ug/L	1		8270E	Total/NA
Fluoranthene	0.843	J	9.62	0.606	ug/L	1		8270E	Total/NA
Fluorene	8.56	J	9.62	0.644	ug/L	1		8270E	Total/NA
Naphthalene	28.5		9.62	0.721	ug/L	1		8270E	Total/NA
Phenanthrene	9.27	J	9.62	0.712	ug/L	1		8270E	Total/NA
Sulfate	136		10.0	3.90	mg/L	10		9056A	Total/NA
Antimony	0.665	J	5.00	0.340	ug/L	1		6020B	Total Recoverable
Barium	105		5.00	0.890	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: S&ME Inc
Project/Site: Southside Park LF

Job ID: 400-277476-1

Client Sample ID: MW-7 (Continued) — Lab Sample ID: 400-277476-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	0.165	J	0.500	0.0780	ug/L	1		6020B	Total Recoverable
Chromium	10.7		5.00	1.20	ug/L	1		6020B	Total Recoverable
Cobalt	4.89		0.500	0.220	ug/L	1		6020B	Total Recoverable
Copper	26.1		5.00	1.08	ug/L	1		6020B	Total Recoverable
Lead	28.0		2.50	0.210	ug/L	1		6020B	Total Recoverable
Manganese	739		5.00	2.20	ug/L	1		6020B	Total Recoverable
Nickel	9.68		5.00	0.420	ug/L	1		6020B	Total Recoverable
Selenium	14.7		2.50	0.990	ug/L	1		6020B	Total Recoverable
Vanadium	17.8		10.0	0.630	ug/L	1		6020B	Total Recoverable
Zinc	50.6		20.0	2.80	ug/L	1		6020B	Total Recoverable
Ammonia (as N)	0.259		0.0500	0.0460	mg/L	1		350.1	Total/NA
Nitrate as N	16.9	H H3	0.0500	0.0180	mg/L	1		Nitrate by calc	Total/NA
Nitrite as N	0.0624	J H H3	0.100	0.0180	mg/L	1		SM 4500 NO2 B	Total/NA
Nitrate Nitrite as N	17.0		1.00	0.360	mg/L	20		SM 4500 NO3 F	Total/NA

Client Sample ID: MW-8 — Lab Sample ID: 400-277476-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	28.1		1.00	0.390	mg/L	1		9056A	Total/NA
Barium	90.9		5.00	0.890	ug/L	1		6020B	Total Recoverable
Cobalt	2.84		0.500	0.220	ug/L	1		6020B	Total Recoverable
Copper	6.82		5.00	1.08	ug/L	1		6020B	Total Recoverable
Lead	0.515	J	2.50	0.210	ug/L	1		6020B	Total Recoverable
Manganese	458		5.00	2.20	ug/L	1		6020B	Total Recoverable
Nickel	15.7		5.00	0.420	ug/L	1		6020B	Total Recoverable
Vanadium	7.57	J	10.0	0.630	ug/L	1		6020B	Total Recoverable
Zinc	16.7	J	20.0	2.80	ug/L	1		6020B	Total Recoverable
Nitrate as N	2.72	H	0.0500	0.0180	mg/L	1		Nitrate by calc	Total/NA
Nitrite as N	0.0635	J H	0.100	0.0180	mg/L	1		SM 4500 NO2 B	Total/NA
Nitrate Nitrite as N	2.78		0.250	0.0900	mg/L	5		SM 4500 NO3 F	Total/NA

Client Sample ID: MW-9 — Lab Sample ID: 400-277476-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	110		10.0	3.90	mg/L	10		9056A	Total/NA
Barium	440		5.00	0.890	ug/L	1		6020B	Total Recoverable
Beryllium	1.46		0.500	0.200	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Client Sample ID: MW-9 (Continued) — Lab Sample ID: 400-277476-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	0.570		0.500	0.0780	ug/L	1		6020B	Total Recoverable
Chromium	103		5.00	1.20	ug/L	1		6020B	Total Recoverable
Cobalt	114		0.500	0.220	ug/L	1		6020B	Total Recoverable
Copper	267		5.00	1.08	ug/L	1		6020B	Total Recoverable
Lead	85.1		2.50	0.210	ug/L	1		6020B	Total Recoverable
Manganese	7710		5.00	2.20	ug/L	1		6020B	Total Recoverable
Nickel	106		5.00	0.420	ug/L	1		6020B	Total Recoverable
Selenium	1.55	J	2.50	0.990	ug/L	1		6020B	Total Recoverable
Vanadium	102		10.0	0.630	ug/L	1		6020B	Total Recoverable
Zinc	469		20.0	2.80	ug/L	1		6020B	Total Recoverable
Mercury	0.196	J	0.200	0.0800	ug/L	1		7470A	Total/NA
Ammonia (as N)	0.225		0.0500	0.0460	mg/L	1		350.1	Total/NA
Nitrite as N	0.237	H	0.200	0.0360	mg/L	2		SM 4500 NO2 B	Total/NA
Nitrate Nitrite as N	0.238	B	0.0500	0.0180	mg/L	1		SM 4500 NO3 F	Total/NA

Client Sample ID: MW-10 — Lab Sample ID: 400-277476-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Caprolactam	9.71	J	10.1	2.42	ug/L	1		8270E	Total/NA
Sulfate	29.5		1.00	0.390	mg/L	1		9056A	Total/NA
Barium	83.1		5.00	0.890	ug/L	1		6020B	Total Recoverable
Chromium	2.70	J	5.00	1.20	ug/L	1		6020B	Total Recoverable
Cobalt	0.895		0.500	0.220	ug/L	1		6020B	Total Recoverable
Copper	4.00	J	5.00	1.08	ug/L	1		6020B	Total Recoverable
Lead	0.310	J	2.50	0.210	ug/L	1		6020B	Total Recoverable
Manganese	97.4		5.00	2.20	ug/L	1		6020B	Total Recoverable
Nickel	2.32	J	5.00	0.420	ug/L	1		6020B	Total Recoverable
Vanadium	8.71	J	10.0	0.630	ug/L	1		6020B	Total Recoverable
Zinc	3.51	J	20.0	2.80	ug/L	1		6020B	Total Recoverable
Nitrate as N	1.04	H	0.0500	0.0180	mg/L	1		Nitrate by calc	Total/NA
Nitrate Nitrite as N	1.04		0.0500	0.0180	mg/L	1		SM 4500 NO3 F	Total/NA

Client Sample ID: DUP-692025 — Lab Sample ID: 400-277476-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	0.532	J	1.00	0.420	ug/L	1		8260D	Total/NA
Isopropylbenzene	2.17		1.00	0.530	ug/L	1		8260D	Total/NA
sec-Butylbenzene	1.14		1.00	0.700	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: DUP-692025 (Continued)

Lab Sample ID: 400-277476-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	0.279		0.277	0.277	ug/L	1		8270E SIM ID	Total/NA
2-Methylnaphthalene	6.46	J	9.90	0.802	ug/L	1		8270E	Total/NA
4-Chloro-3-methylphenol	3.62	J	9.90	0.723	ug/L	1		8270E	Total/NA
Acenaphthene	3.90	J	9.90	0.624	ug/L	1		8270E	Total/NA
Anthracene	1.36	J	9.90	0.901	ug/L	1		8270E	Total/NA
Bis(2-ethylhexyl) phthalate	5.69	J	9.90	3.96	ug/L	1		8270E	Total/NA
Dibenzofuran	1.23	J	9.90	0.634	ug/L	1		8270E	Total/NA
Fluoranthene	4.13	J	9.90	0.624	ug/L	1		8270E	Total/NA
Fluorene	2.75	J	9.90	0.663	ug/L	1		8270E	Total/NA
N-Nitrosodiphenylamine	0.571	J	9.90	0.188	ug/L	1		8270E	Total/NA
Phenanthrene	7.25	J	9.90	0.733	ug/L	1		8270E	Total/NA
Pyrene	3.39	J	9.90	0.624	ug/L	1		8270E	Total/NA
Sulfate	1.74		1.00	0.390	mg/L	1		9056A	Total/NA
Arsenic	2.65	J	3.00	0.860	ug/L	1		6020B	Total Recoverable
Barium	823		5.00	0.890	ug/L	1		6020B	Total Recoverable
Beryllium	0.315	J	0.500	0.200	ug/L	1		6020B	Total Recoverable
Cadmium	0.845		0.500	0.0780	ug/L	1		6020B	Total Recoverable
Chromium	7.00		5.00	1.20	ug/L	1		6020B	Total Recoverable
Cobalt	11.4		0.500	0.220	ug/L	1		6020B	Total Recoverable
Copper	1.26	J	5.00	1.08	ug/L	1		6020B	Total Recoverable
Lead	82.4		2.50	0.210	ug/L	1		6020B	Total Recoverable
Manganese	504		5.00	2.20	ug/L	1		6020B	Total Recoverable
Nickel	8.28		5.00	0.420	ug/L	1		6020B	Total Recoverable
Vanadium	29.8		10.0	0.630	ug/L	1		6020B	Total Recoverable
Zinc	1540		20.0	2.80	ug/L	1		6020B	Total Recoverable
Mercury	0.294		0.200	0.0800	ug/L	1		7470A	Total/NA
Ammonia (as N)	37.2		0.500	0.460	mg/L	10		350.1	Total/NA

Client Sample ID: DUP-6102025

Lab Sample ID: 400-277476-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Caprolactam	12.5		10.2	2.45	ug/L	1		8270E	Total/NA
Sulfate	23.9		1.00	0.390	mg/L	1		9056A	Total/NA
Barium	94.6		5.00	0.890	ug/L	1		6020B	Total Recoverable
Chromium	3.87	J	5.00	1.20	ug/L	1		6020B	Total Recoverable
Cobalt	1.51		0.500	0.220	ug/L	1		6020B	Total Recoverable
Copper	5.90		5.00	1.08	ug/L	1		6020B	Total Recoverable
Lead	0.570	J	2.50	0.210	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: DUP-6102025 (Continued)
Lab Sample ID: 400-277476-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	137		5.00	2.20	ug/L	1		6020B	Total Recoverable
Nickel	3.55	J	5.00	0.420	ug/L	1		6020B	Total Recoverable
Vanadium	10.4		10.0	0.630	ug/L	1		6020B	Total Recoverable
Zinc	6.92	J	20.0	2.80	ug/L	1		6020B	Total Recoverable
Ammonia (as N)	0.0900		0.0500	0.0460	mg/L	1		350.1	Total/NA
Nitrate as N	0.801	H H3	0.0500	0.0180	mg/L	1		Nitrate by calc	Total/NA
Nitrate Nitrite as N	0.801		0.0500	0.0180	mg/L	1		SM 4500 NO3 F	Total/NA

Client Sample ID: TRIP BLANK 1
Lab Sample ID: 400-277476-13

No Detections.

Client Sample ID: TRIP BLANK 2
Lab Sample ID: 400-277476-14

No Detections.

This Detection Summary does not include radiochemical test results.

Sample Summary

Client: S&ME Inc
Project/Site: Southside Park LF

Job ID: 400-277476-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-277476-1	MW-1	Water	06/09/25 13:45	06/12/25 09:40
400-277476-2	MW-2	Water	06/09/25 16:50	06/12/25 09:40
400-277476-3	MW-3	Water	06/10/25 17:00	06/12/25 09:40
400-277476-4	MW-4	Water	06/09/25 16:15	06/12/25 09:40
400-277476-5	MW-5	Water	06/09/25 15:30	06/12/25 09:40
400-277476-6	MW-6	Water	06/09/25 12:15	06/12/25 09:40
400-277476-7	MW-7	Water	06/09/25 14:20	06/12/25 09:40
400-277476-8	MW-8	Water	06/10/25 12:40	06/12/25 09:40
400-277476-9	MW-9	Water	06/10/25 15:15	06/12/25 09:40
400-277476-10	MW-10	Water	06/10/25 10:30	06/12/25 09:40
400-277476-11	DUP-692025	Water	06/09/25 00:00	06/12/25 09:40
400-277476-12	DUP-6102025	Water	06/10/25 00:00	06/12/25 09:40
400-277476-13	TRIP BLANK 1	Water	06/12/25 00:00	06/12/25 09:40
400-277476-14	TRIP BLANK 2	Water	06/12/25 00:00	06/12/25 09:40

Client: S&ME Inc
Job ID: 400-277476-1
Project/Site: Southside Park LF

Client Sample ID: MW-1
Lab Sample ID: 400-277476-1
Date Collected: 06/09/25 13:45
Matrix: Water
Date Received: 06/12/25 09:40

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			06/20/25 15:52	1
Benzene	ND		1.00	0.500	ug/L			06/20/25 15:52	1
Bromobenzene	ND		1.00	0.540	ug/L			06/20/25 15:52	1
Bromoform	ND		5.00	0.250	ug/L			06/20/25 15:52	1
Bromomethane	ND		1.00	0.980	ug/L			06/20/25 15:52	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/20/25 15:52	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/20/25 15:52	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/20/25 15:52	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/20/25 15:52	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/20/25 15:52	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/20/25 15:52	1
Chloroethane	ND		1.00	0.760	ug/L			06/20/25 15:52	1
Chloroform	ND		1.00	0.900	ug/L			06/20/25 15:52	1
Chloromethane	ND		1.00	0.400	ug/L			06/20/25 15:52	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/20/25 15:52	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/20/25 15:52	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/20/25 15:52	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/20/25 15:52	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/20/25 15:52	1
Dibromomethane	ND		5.00	0.220	ug/L			06/20/25 15:52	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/20/25 15:52	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/20/25 15:52	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/20/25 15:52	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/20/25 15:52	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/20/25 15:52	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/20/25 15:52	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/20/25 15:52	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 15:52	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 15:52	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 15:52	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/20/25 15:52	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/20/25 15:52	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/20/25 15:52	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/20/25 15:52	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			06/20/25 15:52	1
Hexane	ND		1.00	0.960	ug/L			06/20/25 15:52	1
2-Hexanone	ND		25.0	4.26	ug/L			06/20/25 15:52	1
Iodomethane	ND		1.00	0.900	ug/L			06/20/25 15:52	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/20/25 15:52	1
Isopropyl ether	ND	*+	1.00	0.740	ug/L			06/20/25 15:52	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/20/25 15:52	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/20/25 15:52	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/20/25 15:52	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/20/25 15:52	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/20/25 15:52	1
Naphthalene	ND		5.00	3.00	ug/L			06/20/25 15:52	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/20/25 15:52	1
n-Heptane	ND		1.00	0.210	ug/L			06/20/25 15:52	1
N-Propylbenzene	ND		1.00	0.690	ug/L			06/20/25 15:52	1

Client Sample ID: MW-1
Date Collected: 06/09/25 13:45
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277476-1
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			06/20/25 15:52	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/20/25 15:52	1
Styrene	ND		1.00	1.00	ug/L			06/20/25 15:52	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/20/25 15:52	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/20/25 15:52	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/20/25 15:52	1
Tetrachloroethene	ND		1.00	0.330	ug/L			06/20/25 15:52	1
Toluene	ND		1.00	0.900	ug/L			06/20/25 15:52	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/20/25 15:52	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/20/25 15:52	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/20/25 15:52	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/20/25 15:52	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/20/25 15:52	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/20/25 15:52	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/20/25 15:52	1
Trichloroethene	ND		1.00	0.150	ug/L			06/20/25 15:52	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			06/20/25 15:52	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/20/25 15:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/20/25 15:52	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/20/25 15:52	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/20/25 15:52	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/20/25 15:52	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/20/25 15:52	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/20/25 15:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*56 - 136*		*06/20/25 15:52*	*1*
Dibromofluoromethane	*100*		*79 - 130*		*06/20/25 15:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*59 - 146*		*06/20/25 15:52*	*1*
Toluene-d8 (Surr)	*100*		*64 - 132*		*06/20/25 15:52*	*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		06/13/25 07:00	06/20/25 17:22	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*22*		*10 - 140*	*06/13/25 07:00*	*06/20/25 17:22*	*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		06/13/25 07:00	06/16/25 20:20	1
2,4,5-Trichlorophenol	ND		10.1	0.545	ug/L		06/13/25 07:00	06/16/25 20:20	1
2,4,6-Trichlorophenol	ND		10.1	1.10	ug/L		06/13/25 07:00	06/16/25 20:20	1
2,4-Dichlorophenol	ND		10.1	0.576	ug/L		06/13/25 07:00	06/16/25 20:20	1
2,4-Dimethylphenol	ND		10.1	0.242	ug/L		06/13/25 07:00	06/16/25 20:20	1
2,4-Dinitrophenol	ND		30.3	4.73	ug/L		06/13/25 07:00	06/16/25 20:20	1
2,4-Dinitrotoluene	ND		10.1	0.657	ug/L		06/13/25 07:00	06/16/25 20:20	1
2,6-Dinitrotoluene	ND		10.1	0.293	ug/L		06/13/25 07:00	06/16/25 20:20	1
2-Chloronaphthalene	ND		10.1	0.384	ug/L		06/13/25 07:00	06/16/25 20:20	1
2-Chlorophenol	ND		10.1	0.848	ug/L		06/13/25 07:00	06/16/25 20:20	1
2-Methylnaphthalene	ND		10.1	0.818	ug/L		06/13/25 07:00	06/16/25 20:20	1

Client: S&ME Inc
Project/Site: Southside Park LF

Job ID: 400-277476-1

Client Sample ID: MW-1
Date Collected: 06/09/25 13:45
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277476-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		10.1	0.768	ug/L		06/13/25 07:00	06/16/25 20:20	1
2-Nitroaniline	ND		10.1	1.38	ug/L		06/13/25 07:00	06/16/25 20:20	1
2-Nitrophenol	ND		10.1	1.18	ug/L		06/13/25 07:00	06/16/25 20:20	1
3 & 4 Methylphenol	ND		20.2	4.65	ug/L		06/13/25 07:00	06/16/25 20:20	1
3,3'-Dichlorobenzidine	ND		11.1	0.414	ug/L		06/13/25 07:00	06/16/25 20:20	1
3-Nitroaniline	ND		10.1	0.960	ug/L		06/13/25 07:00	06/16/25 20:20	1
4,6-Dinitro-2-methylphenol	ND		10.1	1.99	ug/L		06/13/25 07:00	06/16/25 20:20	1
4-Bromophenyl phenyl ether	ND		10.1	0.131	ug/L		06/13/25 07:00	06/16/25 20:20	1
4-Chloro-3-methylphenol	ND		10.1	0.737	ug/L		06/13/25 07:00	06/16/25 20:20	1
4-Chloroaniline	ND		10.1	0.283	ug/L		06/13/25 07:00	06/16/25 20:20	1
4-Chlorophenyl phenyl ether	ND		10.1	0.242	ug/L		06/13/25 07:00	06/16/25 20:20	1
4-Nitroaniline	ND		10.1	3.54	ug/L		06/13/25 07:00	06/16/25 20:20	1
4-Nitrophenol	ND		10.1	2.77	ug/L		06/13/25 07:00	06/16/25 20:20	1
Acenaphthene	ND		10.1	0.636	ug/L		06/13/25 07:00	06/16/25 20:20	1
Acenaphthylene	ND		10.1	0.768	ug/L		06/13/25 07:00	06/16/25 20:20	1
Acetophenone	ND		10.1	3.23	ug/L		06/13/25 07:00	06/16/25 20:20	1
Anthracene	ND		10.1	0.919	ug/L		06/13/25 07:00	06/16/25 20:20	1
Atrazine	ND		10.1	1.14	ug/L		06/13/25 07:00	06/16/25 20:20	1
Benzaldehyde	ND		10.1	0.677	ug/L		06/13/25 07:00	06/16/25 20:20	1
Benzo[a]anthracene	ND		10.1	1.01	ug/L		06/13/25 07:00	06/16/25 20:20	1
Benzo[a]pyrene	ND		10.1	1.11	ug/L		06/13/25 07:00	06/16/25 20:20	1
Benzo[b]fluoranthene	ND		10.1	1.21	ug/L		06/13/25 07:00	06/16/25 20:20	1
Benzo[g,h,i]perylene	ND		10.1	1.52	ug/L		06/13/25 07:00	06/16/25 20:20	1
Benzo[k]fluoranthene	ND		10.1	1.52	ug/L		06/13/25 07:00	06/16/25 20:20	1
bis (2-chloroisopropyl) ether	ND		10.1	0.939	ug/L		06/13/25 07:00	06/16/25 20:20	1
Bis(2-chloroethoxy)methane	ND		10.1	0.343	ug/L		06/13/25 07:00	06/16/25 20:20	1
Bis(2-chloroethyl)ether	ND		10.1	0.737	ug/L		06/13/25 07:00	06/16/25 20:20	1
Bis(2-ethylhexyl) phthalate	ND		10.1	4.04	ug/L		06/13/25 07:00	06/16/25 20:20	1
Butyl benzyl phthalate	ND		10.1	4.04	ug/L		06/13/25 07:00	06/16/25 20:20	1
Caprolactam	ND		10.1	2.42	ug/L		06/13/25 07:00	06/16/25 20:20	1
Carbazole	ND		10.1	0.323	ug/L		06/13/25 07:00	06/16/25 20:20	1
Chrysene	ND		10.1	1.21	ug/L		06/13/25 07:00	06/16/25 20:20	1
Dibenz(a,h)anthracene	ND		10.1	1.31	ug/L		06/13/25 07:00	06/16/25 20:20	1
Dibenzofuran	ND		10.1	0.646	ug/L		06/13/25 07:00	06/16/25 20:20	1
Diethyl phthalate	ND		10.1	4.04	ug/L		06/13/25 07:00	06/16/25 20:20	1
Dimethyl phthalate	ND		10.1	4.04	ug/L		06/13/25 07:00	06/16/25 20:20	1
Di-n-butyl phthalate	ND		10.1	4.04	ug/L		06/13/25 07:00	06/16/25 20:20	1
Di-n-octyl phthalate	ND		10.1	4.04	ug/L		06/13/25 07:00	06/16/25 20:20	1
Fluoranthene	ND		10.1	0.636	ug/L		06/13/25 07:00	06/16/25 20:20	1
Fluorene	ND		10.1	0.677	ug/L		06/13/25 07:00	06/16/25 20:20	1
Hexachlorobenzene	ND		10.1	0.253	ug/L		06/13/25 07:00	06/16/25 20:20	1
Hexachlorobutadiene	ND	*1	10.1	0.556	ug/L		06/13/25 07:00	06/16/25 20:20	1
Hexachlorocyclopentadiene	ND	*1	20.2	0.323	ug/L		06/13/25 07:00	06/16/25 20:20	1
Hexachloroethane	ND		10.1	0.535	ug/L		06/13/25 07:00	06/16/25 20:20	1
Indeno[1,2,3-cd]pyrene	ND		10.1	1.11	ug/L		06/13/25 07:00	06/16/25 20:20	1
Isophorone	ND		10.1	0.808	ug/L		06/13/25 07:00	06/16/25 20:20	1
Naphthalene	ND		10.1	0.758	ug/L		06/13/25 07:00	06/16/25 20:20	1
Nitrobenzene	ND		10.1	0.606	ug/L		06/13/25 07:00	06/16/25 20:20	1
N-Nitrosodi-n-propylamine	ND		10.1	0.333	ug/L		06/13/25 07:00	06/16/25 20:20	1

Client Sample ID: MW-1
Date Collected: 06/09/25 13:45
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277476-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		10.1	0.192	ug/L		06/13/25 07:00	06/16/25 20:20	1
Pentachlorophenol	ND		10.1	2.83	ug/L		06/13/25 07:00	06/16/25 20:20	1
Phenanthrene	ND		10.1	0.747	ug/L		06/13/25 07:00	06/16/25 20:20	1
Phenol	ND		10.1	0.687	ug/L		06/13/25 07:00	06/16/25 20:20	1
Pyrene	ND		10.1	0.636	ug/L		06/13/25 07:00	06/16/25 20:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*60*		*10 - 150*	*06/13/25 07:00*	*06/16/25 20:20*	*1*
2-Fluorobiphenyl (Surr)	*67*		*25 - 139*	*06/13/25 07:00*	*06/16/25 20:20*	*1*
2-Fluorophenol (Surr)	*75*		*10 - 150*	*06/13/25 07:00*	*06/16/25 20:20*	*1*
Nitrobenzene-d5 (Surr)	*67*		*22 - 150*	*06/13/25 07:00*	*06/16/25 20:20*	*1*
Phenol-d5 (Surr)	*82*		*10 - 150*	*06/13/25 07:00*	*06/16/25 20:20*	*1*
Terphenyl-d14 (Surr)	*48*		*28 - 150*	*06/13/25 07:00*	*06/16/25 20:20*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**28.9**		1.00	0.390	mg/L			06/12/25 20:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	0.340	ug/L		06/16/25 05:29	06/17/25 12:04	1
Arsenic	ND		3.00	0.860	ug/L		06/16/25 05:29	06/17/25 12:04	1
Barium	**33.9**		5.00	0.890	ug/L		06/16/25 05:29	06/17/25 12:04	1
Beryllium	ND		0.500	0.200	ug/L		06/16/25 05:29	06/17/25 12:04	1
Cadmium	ND		0.500	0.0780	ug/L		06/16/25 05:29	06/17/25 12:04	1
Chromium	**8.60**		5.00	1.20	ug/L		06/16/25 05:29	06/17/25 12:04	1
Cobalt	**7.17**		0.500	0.220	ug/L		06/16/25 05:29	06/17/25 12:04	1
Copper	**7.36**		5.00	1.08	ug/L		06/16/25 05:29	06/17/25 12:04	1
Lead	**0.310**	**J**	2.50	0.210	ug/L		06/16/25 05:29	06/17/25 12:04	1
Manganese	**1410**		5.00	2.20	ug/L		06/16/25 05:29	06/17/25 12:04	1
Nickel	**13.4**		5.00	0.420	ug/L		06/16/25 05:29	06/17/25 12:04	1
Selenium	ND		2.50	0.990	ug/L		06/16/25 05:29	06/17/25 12:04	1
Silver	ND		1.00	0.390	ug/L		06/16/25 05:29	06/17/25 12:04	1
Thallium	ND		1.00	0.260	ug/L		06/16/25 05:29	06/17/25 12:04	1
Vanadium	**11.5**		10.0	0.630	ug/L		06/16/25 05:29	06/17/25 12:04	1
Zinc	**20.9**		20.0	2.80	ug/L		06/16/25 05:29	06/17/25 12:04	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	F1 F2	0.200	0.0800	ug/L		06/20/25 13:23	06/20/25 18:04	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			06/17/25 12:51	1
Nitrate as N (SM Nitrate by calc)	**1.92**	**H H3**	0.0500	0.0180	mg/L			06/13/25 10:05	1
Nitrite as N (SM 4500 NO2 B)	**0.0438**	**J H H3**	0.100	0.0180	mg/L			06/13/25 10:05	1
Nitrate Nitrite as N (SM 4500 NO3 F)	**1.96**	**F1**	0.250	0.0900	mg/L			06/16/25 16:06	5

Client: S&ME Inc
Job ID: 400-277476-1
Project/Site: Southside Park LF

Client Sample ID: MW-2
Lab Sample ID: 400-277476-2
Date Collected: 06/09/25 16:50
Matrix: Water
Date Received: 06/12/25 09:40

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			06/20/25 16:13	1
Benzene	ND		1.00	0.500	ug/L			06/20/25 16:13	1
Bromobenzene	ND		1.00	0.540	ug/L			06/20/25 16:13	1
Bromoform	ND		5.00	0.250	ug/L			06/20/25 16:13	1
Bromomethane	ND		1.00	0.980	ug/L			06/20/25 16:13	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/20/25 16:13	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/20/25 16:13	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/20/25 16:13	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/20/25 16:13	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/20/25 16:13	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/20/25 16:13	1
Chloroethane	ND		1.00	0.760	ug/L			06/20/25 16:13	1
Chloroform	ND		1.00	0.900	ug/L			06/20/25 16:13	1
Chloromethane	ND		1.00	0.400	ug/L			06/20/25 16:13	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/20/25 16:13	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/20/25 16:13	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/20/25 16:13	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/20/25 16:13	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/20/25 16:13	1
Dibromomethane	ND		5.00	0.220	ug/L			06/20/25 16:13	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/20/25 16:13	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/20/25 16:13	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/20/25 16:13	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/20/25 16:13	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/20/25 16:13	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/20/25 16:13	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/20/25 16:13	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 16:13	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 16:13	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 16:13	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/20/25 16:13	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/20/25 16:13	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/20/25 16:13	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/20/25 16:13	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			06/20/25 16:13	1
Hexane	ND		1.00	0.960	ug/L			06/20/25 16:13	1
2-Hexanone	ND		25.0	4.26	ug/L			06/20/25 16:13	1
Iodomethane	ND		1.00	0.900	ug/L			06/20/25 16:13	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/20/25 16:13	1
Isopropyl ether	ND	*+	1.00	0.740	ug/L			06/20/25 16:13	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/20/25 16:13	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/20/25 16:13	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/20/25 16:13	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/20/25 16:13	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/20/25 16:13	1
Naphthalene	**3.79**	**J**	5.00	3.00	ug/L			06/20/25 16:13	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/20/25 16:13	1
n-Heptane	ND		1.00	0.210	ug/L			06/20/25 16:13	1
N-Propylbenzene	ND		1.00	0.690	ug/L			06/20/25 16:13	1

Client Sample ID: MW-2
Date Collected: 06/09/25 16:50
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277476-2
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			06/20/25 16:13	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/20/25 16:13	1
Styrene	ND		1.00	1.00	ug/L			06/20/25 16:13	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/20/25 16:13	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/20/25 16:13	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/20/25 16:13	1
Tetrachloroethene	ND		1.00	0.330	ug/L			06/20/25 16:13	1
Toluene	ND		1.00	0.900	ug/L			06/20/25 16:13	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/20/25 16:13	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/20/25 16:13	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/20/25 16:13	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/20/25 16:13	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/20/25 16:13	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/20/25 16:13	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/20/25 16:13	1
Trichloroethene	ND		1.00	0.150	ug/L			06/20/25 16:13	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			06/20/25 16:13	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/20/25 16:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/20/25 16:13	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/20/25 16:13	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/20/25 16:13	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/20/25 16:13	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/20/25 16:13	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/20/25 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*56 - 136*		*06/20/25 16:13*	*1*
Dibromofluoromethane	*101*		*79 - 130*		*06/20/25 16:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*59 - 146*		*06/20/25 16:13*	*1*
Toluene-d8 (Surr)	*98*		*64 - 132*		*06/20/25 16:13*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.275	0.275	ug/L		06/13/25 07:00	06/20/25 17:44	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*26*		*10 - 140*	*06/13/25 07:00*	*06/20/25 17:44*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		10.1	0.424	ug/L		06/13/25 07:00	06/16/25 20:55	1
2,4,5-Trichlorophenol	ND		10.1	0.545	ug/L		06/13/25 07:00	06/16/25 20:55	1
2,4,6-Trichlorophenol	ND		10.1	1.10	ug/L		06/13/25 07:00	06/16/25 20:55	1
2,4-Dichlorophenol	ND		10.1	0.576	ug/L		06/13/25 07:00	06/16/25 20:55	1
2,4-Dimethylphenol	ND		10.1	0.242	ug/L		06/13/25 07:00	06/16/25 20:55	1
2,4-Dinitrophenol	ND		30.3	4.73	ug/L		06/13/25 07:00	06/16/25 20:55	1
2,4-Dinitrotoluene	ND		10.1	0.657	ug/L		06/13/25 07:00	06/16/25 20:55	1
2,6-Dinitrotoluene	ND		10.1	0.293	ug/L		06/13/25 07:00	06/16/25 20:55	1
2-Chloronaphthalene	ND		10.1	0.384	ug/L		06/13/25 07:00	06/16/25 20:55	1
2-Chlorophenol	ND		10.1	0.848	ug/L		06/13/25 07:00	06/16/25 20:55	1
2-Methylnaphthalene	**1.64**	**J**	10.1	0.818	ug/L		06/13/25 07:00	06/16/25 20:55	1

Client: S&ME Inc
Job ID: 400-277476-1
Project/Site: Southside Park LF

Client Sample ID: MW-2
Lab Sample ID: 400-277476-2
Date Collected: 06/09/25 16:50
Matrix: Water
Date Received: 06/12/25 09:40

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		06/13/25 07:00	06/16/25 20:55	1
2-Nitroaniline	ND		10.1	1.38	ug/L		06/13/25 07:00	06/16/25 20:55	1
2-Nitrophenol	ND		10.1	1.18	ug/L		06/13/25 07:00	06/16/25 20:55	1
3 & 4 Methylphenol	ND		20.2	4.65	ug/L		06/13/25 07:00	06/16/25 20:55	1
3,3'-Dichlorobenzidine	ND		11.1	0.414	ug/L		06/13/25 07:00	06/16/25 20:55	1
3-Nitroaniline	ND		10.1	0.960	ug/L		06/13/25 07:00	06/16/25 20:55	1
4,6-Dinitro-2-methylphenol	ND		10.1	1.99	ug/L		06/13/25 07:00	06/16/25 20:55	1
4-Bromophenyl phenyl ether	ND		10.1	0.131	ug/L		06/13/25 07:00	06/16/25 20:55	1
4-Chloro-3-methylphenol	ND		10.1	0.737	ug/L		06/13/25 07:00	06/16/25 20:55	1
4-Chloroaniline	ND		10.1	0.283	ug/L		06/13/25 07:00	06/16/25 20:55	1
4-Chlorophenyl phenyl ether	ND		10.1	0.242	ug/L		06/13/25 07:00	06/16/25 20:55	1
4-Nitroaniline	ND		10.1	3.54	ug/L		06/13/25 07:00	06/16/25 20:55	1
4-Nitrophenol	ND		10.1	2.77	ug/L		06/13/25 07:00	06/16/25 20:55	1
Acenaphthene	ND		10.1	0.636	ug/L		06/13/25 07:00	06/16/25 20:55	1
Acenaphthylene	ND		10.1	0.768	ug/L		06/13/25 07:00	06/16/25 20:55	1
Acetophenone	ND		10.1	3.23	ug/L		06/13/25 07:00	06/16/25 20:55	1
Anthracene	ND		10.1	0.919	ug/L		06/13/25 07:00	06/16/25 20:55	1
Atrazine	ND		10.1	1.14	ug/L		06/13/25 07:00	06/16/25 20:55	1
Benzaldehyde	ND		10.1	0.677	ug/L		06/13/25 07:00	06/16/25 20:55	1
Benzo[a]anthracene	ND		10.1	1.01	ug/L		06/13/25 07:00	06/16/25 20:55	1
Benzo[a]pyrene	ND		10.1	1.11	ug/L		06/13/25 07:00	06/16/25 20:55	1
Benzo[b]fluoranthene	ND		10.1	1.21	ug/L		06/13/25 07:00	06/16/25 20:55	1
Benzo[g,h,i]perylene	ND		10.1	1.52	ug/L		06/13/25 07:00	06/16/25 20:55	1
Benzo[k]fluoranthene	ND		10.1	1.52	ug/L		06/13/25 07:00	06/16/25 20:55	1
bis (2-chloroisopropyl) ether	ND		10.1	0.939	ug/L		06/13/25 07:00	06/16/25 20:55	1
Bis(2-chloroethoxy)methane	ND		10.1	0.343	ug/L		06/13/25 07:00	06/16/25 20:55	1
Bis(2-chloroethyl)ether	ND		10.1	0.737	ug/L		06/13/25 07:00	06/16/25 20:55	1
Bis(2-ethylhexyl) phthalate	ND		10.1	4.04	ug/L		06/13/25 07:00	06/16/25 20:55	1
Butyl benzyl phthalate	ND		10.1	4.04	ug/L		06/13/25 07:00	06/16/25 20:55	1
Caprolactam	ND		10.1	2.42	ug/L		06/13/25 07:00	06/16/25 20:55	1
Carbazole	ND		10.1	0.323	ug/L		06/13/25 07:00	06/16/25 20:55	1
Chrysene	ND		10.1	1.21	ug/L		06/13/25 07:00	06/16/25 20:55	1
Dibenz(a,h)anthracene	ND		10.1	1.31	ug/L		06/13/25 07:00	06/16/25 20:55	1
Dibenzofuran	ND		10.1	0.646	ug/L		06/13/25 07:00	06/16/25 20:55	1
Diethyl phthalate	ND		10.1	4.04	ug/L		06/13/25 07:00	06/16/25 20:55	1
Dimethyl phthalate	ND		10.1	4.04	ug/L		06/13/25 07:00	06/16/25 20:55	1
Di-n-butyl phthalate	ND		10.1	4.04	ug/L		06/13/25 07:00	06/16/25 20:55	1
Di-n-octyl phthalate	ND		10.1	4.04	ug/L		06/13/25 07:00	06/16/25 20:55	1
Fluoranthene	ND		10.1	0.636	ug/L		06/13/25 07:00	06/16/25 20:55	1
Fluorene	ND		10.1	0.677	ug/L		06/13/25 07:00	06/16/25 20:55	1
Hexachlorobenzene	ND		10.1	0.253	ug/L		06/13/25 07:00	06/16/25 20:55	1
Hexachlorobutadiene	ND	*1	10.1	0.556	ug/L		06/13/25 07:00	06/16/25 20:55	1
Hexachlorocyclopentadiene	ND	*1	20.2	0.323	ug/L		06/13/25 07:00	06/16/25 20:55	1
Hexachloroethane	ND		10.1	0.535	ug/L		06/13/25 07:00	06/16/25 20:55	1
Indeno[1,2,3-cd]pyrene	ND		10.1	1.11	ug/L		06/13/25 07:00	06/16/25 20:55	1
Isophorone	ND		10.1	0.808	ug/L		06/13/25 07:00	06/16/25 20:55	1
Naphthalene	**3.53**	**J**	10.1	0.758	ug/L		06/13/25 07:00	06/16/25 20:55	1
Nitrobenzene	ND		10.1	0.606	ug/L		06/13/25 07:00	06/16/25 20:55	1
N-Nitrosodi-n-propylamine	ND		10.1	0.333	ug/L		06/13/25 07:00	06/16/25 20:55	1

Client Sample ID: MW-2
Date Collected: 06/09/25 16:50
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277476-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		10.1	0.192	ug/L		06/13/25 07:00	06/16/25 20:55	1
Pentachlorophenol	ND		10.1	2.83	ug/L		06/13/25 07:00	06/16/25 20:55	1
Phenanthrene	ND		10.1	0.747	ug/L		06/13/25 07:00	06/16/25 20:55	1
Phenol	ND		10.1	0.687	ug/L		06/13/25 07:00	06/16/25 20:55	1
Pyrene	ND		10.1	0.636	ug/L		06/13/25 07:00	06/16/25 20:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*69*		*10 - 150*	*06/13/25 07:00*	*06/16/25 20:55*	*1*
2-Fluorobiphenyl (Surr)	*59*		*25 - 139*	*06/13/25 07:00*	*06/16/25 20:55*	*1*
2-Fluorophenol (Surr)	*82*		*10 - 150*	*06/13/25 07:00*	*06/16/25 20:55*	*1*
Nitrobenzene-d5 (Surr)	*63*		*22 - 150*	*06/13/25 07:00*	*06/16/25 20:55*	*1*
Phenol-d5 (Surr)	*84*		*10 - 150*	*06/13/25 07:00*	*06/16/25 20:55*	*1*
Terphenyl-d14 (Surr)	*48*		*28 - 150*	*06/13/25 07:00*	*06/16/25 20:55*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**26.6**		1.00	0.390	mg/L			06/12/25 20:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	0.340	ug/L		06/16/25 05:29	06/17/25 12:19	1
Arsenic	ND		3.00	0.860	ug/L		06/16/25 05:29	06/17/25 12:19	1
Barium	**222**		5.00	0.890	ug/L		06/16/25 05:29	06/17/25 12:19	1
Beryllium	**0.365**	**J**	0.500	0.200	ug/L		06/16/25 05:29	06/17/25 12:19	1
Cadmium	**0.155**	**J**	0.500	0.0780	ug/L		06/16/25 05:29	06/17/25 12:19	1
Chromium	**4.47**	**J**	5.00	1.20	ug/L		06/16/25 05:29	06/17/25 12:19	1
Cobalt	**18.0**		0.500	0.220	ug/L		06/16/25 05:29	06/17/25 12:19	1
Copper	**57.3**		5.00	1.08	ug/L		06/16/25 05:29	06/17/25 12:19	1
Lead	**7.06**		2.50	0.210	ug/L		06/16/25 05:29	06/17/25 12:19	1
Manganese	**3530**		5.00	2.20	ug/L		06/16/25 05:29	06/17/25 12:19	1
Nickel	**12.9**		5.00	0.420	ug/L		06/16/25 05:29	06/17/25 12:19	1
Selenium	**1.08**	**J**	2.50	0.990	ug/L		06/16/25 05:29	06/17/25 12:19	1
Silver	ND		1.00	0.390	ug/L		06/16/25 05:29	06/17/25 12:19	1
Thallium	ND		1.00	0.260	ug/L		06/16/25 05:29	06/17/25 12:19	1
Vanadium	**32.6**		10.0	0.630	ug/L		06/16/25 05:29	06/17/25 12:19	1
Zinc	**73.7**		20.0	2.80	ug/L		06/16/25 05:29	06/17/25 12:19	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	F1	0.200	0.0800	ug/L		06/20/25 13:23	06/20/25 18:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	**0.113**		0.0500	0.0460	mg/L			06/17/25 12:59	1
Nitrate as N (SM Nitrate by calc)	**1.64**	**H H3**	0.0500	0.0180	mg/L			06/13/25 10:06	1
Nitrite as N (SM 4500 NO2 B)	ND	H H3	0.100	0.0180	mg/L			06/13/25 10:06	1
Nitrate Nitrite as N (SM 4500 NO3 F)	**1.64**		0.0500	0.0180	mg/L			06/16/25 14:45	1

Client: S&ME Inc
Project/Site: Southside Park LF

Job ID: 400-277476-1

Client Sample ID: MW-3
Date Collected: 06/10/25 17:00
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277476-3
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			06/23/25 13:31	1
Benzene	ND		1.00	0.500	ug/L			06/23/25 13:31	1
Bromobenzene	ND		1.00	0.540	ug/L			06/23/25 13:31	1
Bromoform	ND		5.00	0.250	ug/L			06/23/25 13:31	1
Bromomethane	ND		1.00	0.980	ug/L			06/23/25 13:31	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/23/25 13:31	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/23/25 13:31	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/23/25 13:31	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/23/25 13:31	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/23/25 13:31	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/23/25 13:31	1
Chloroethane	ND		1.00	0.760	ug/L			06/23/25 13:31	1
Chloroform	ND		1.00	0.900	ug/L			06/23/25 13:31	1
Chloromethane	ND		1.00	0.400	ug/L			06/23/25 13:31	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/23/25 13:31	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/23/25 13:31	1
cis-1,2-Dichloroethene	**1.35**		1.00	0.200	ug/L			06/23/25 13:31	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/23/25 13:31	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/23/25 13:31	1
Dibromomethane	ND		5.00	0.220	ug/L			06/23/25 13:31	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/23/25 13:31	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/23/25 13:31	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/23/25 13:31	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/23/25 13:31	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/23/25 13:31	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/23/25 13:31	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/23/25 13:31	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/23/25 13:31	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/23/25 13:31	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/23/25 13:31	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/23/25 13:31	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/23/25 13:31	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/23/25 13:31	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/23/25 13:31	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			06/23/25 13:31	1
Hexane	ND		1.00	0.960	ug/L			06/23/25 13:31	1
2-Hexanone	ND		25.0	4.26	ug/L			06/23/25 13:31	1
Iodomethane	ND		1.00	0.900	ug/L			06/23/25 13:31	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/23/25 13:31	1
Isopropyl ether	ND		1.00	0.740	ug/L			06/23/25 13:31	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/23/25 13:31	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/23/25 13:31	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/23/25 13:31	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/23/25 13:31	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/23/25 13:31	1
Naphthalene	ND		5.00	3.00	ug/L			06/23/25 13:31	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/23/25 13:31	1
n-Heptane	ND		1.00	0.210	ug/L			06/23/25 13:31	1
N-Propylbenzene	ND		1.00	0.690	ug/L			06/23/25 13:31	1

Client Sample ID: MW-3
Date Collected: 06/10/25 17:00
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277476-3
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			06/23/25 13:31	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/23/25 13:31	1
Styrene	ND		1.00	1.00	ug/L			06/23/25 13:31	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/23/25 13:31	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/23/25 13:31	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/23/25 13:31	1
Tetrachloroethene	**1.12**		1.00	0.330	ug/L			06/23/25 13:31	1
Toluene	ND		1.00	0.900	ug/L			06/23/25 13:31	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/23/25 13:31	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/23/25 13:31	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/23/25 13:31	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/23/25 13:31	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/23/25 13:31	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/23/25 13:31	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/23/25 13:31	1
Trichloroethene	**0.616**	**J**	1.00	0.150	ug/L			06/23/25 13:31	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			06/23/25 13:31	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/23/25 13:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/23/25 13:31	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/23/25 13:31	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/23/25 13:31	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/23/25 13:31	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/23/25 13:31	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/23/25 13:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*56 - 136*		*06/23/25 13:31*	*1*
Dibromofluoromethane	*104*		*79 - 130*		*06/23/25 13:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*116*		*59 - 146*		*06/23/25 13:31*	*1*
Toluene-d8 (Surr)	*98*		*64 - 132*		*06/23/25 13:31*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.279	0.279	ug/L		06/13/25 07:00	06/20/25 18:06	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*29*		*10 - 140*	*06/13/25 07:00*	*06/20/25 18:06*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		10.0	0.420	ug/L		06/13/25 07:00	06/16/25 21:31	1
2,4,5-Trichlorophenol	ND		10.0	0.540	ug/L		06/13/25 07:00	06/16/25 21:31	1
2,4,6-Trichlorophenol	ND		10.0	1.09	ug/L		06/13/25 07:00	06/16/25 21:31	1
2,4-Dichlorophenol	ND		10.0	0.570	ug/L		06/13/25 07:00	06/16/25 21:31	1
2,4-Dimethylphenol	ND		10.0	0.240	ug/L		06/13/25 07:00	06/16/25 21:31	1
2,4-Dinitrophenol	ND		30.0	4.68	ug/L		06/13/25 07:00	06/16/25 21:31	1
2,4-Dinitrotoluene	ND		10.0	0.650	ug/L		06/13/25 07:00	06/16/25 21:31	1
2,6-Dinitrotoluene	ND		10.0	0.290	ug/L		06/13/25 07:00	06/16/25 21:31	1
2-Chloronaphthalene	ND		10.0	0.380	ug/L		06/13/25 07:00	06/16/25 21:31	1
2-Chlorophenol	ND		10.0	0.840	ug/L		06/13/25 07:00	06/16/25 21:31	1
2-Methylnaphthalene	ND		10.0	0.810	ug/L		06/13/25 07:00	06/16/25 21:31	1

Client: S&ME Inc
Project/Site: Southside Park LF

Job ID: 400-277476-1

Client Sample ID: MW-3
Date Collected: 06/10/25 17:00
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277476-3
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		10.0	0.760	ug/L		06/13/25 07:00	06/16/25 21:31	1
2-Nitroaniline	ND		10.0	1.37	ug/L		06/13/25 07:00	06/16/25 21:31	1
2-Nitrophenol	ND		10.0	1.17	ug/L		06/13/25 07:00	06/16/25 21:31	1
3 & 4 Methylphenol	ND		20.0	4.60	ug/L		06/13/25 07:00	06/16/25 21:31	1
3,3'-Dichlorobenzidine	ND		11.0	0.410	ug/L		06/13/25 07:00	06/16/25 21:31	1
3-Nitroaniline	ND		10.0	0.950	ug/L		06/13/25 07:00	06/16/25 21:31	1
4,6-Dinitro-2-methylphenol	ND		10.0	1.97	ug/L		06/13/25 07:00	06/16/25 21:31	1
4-Bromophenyl phenyl ether	ND		10.0	0.130	ug/L		06/13/25 07:00	06/16/25 21:31	1
4-Chloro-3-methylphenol	ND		10.0	0.730	ug/L		06/13/25 07:00	06/16/25 21:31	1
4-Chloroaniline	ND		10.0	0.280	ug/L		06/13/25 07:00	06/16/25 21:31	1
4-Chlorophenyl phenyl ether	ND		10.0	0.240	ug/L		06/13/25 07:00	06/16/25 21:31	1
4-Nitroaniline	ND		10.0	3.50	ug/L		06/13/25 07:00	06/16/25 21:31	1
4-Nitrophenol	ND		10.0	2.74	ug/L		06/13/25 07:00	06/16/25 21:31	1
Acenaphthene	ND		10.0	0.630	ug/L		06/13/25 07:00	06/16/25 21:31	1
Acenaphthylene	ND		10.0	0.760	ug/L		06/13/25 07:00	06/16/25 21:31	1
Acetophenone	ND		10.0	3.20	ug/L		06/13/25 07:00	06/16/25 21:31	1
Anthracene	ND		10.0	0.910	ug/L		06/13/25 07:00	06/16/25 21:31	1
Atrazine	ND		10.0	1.13	ug/L		06/13/25 07:00	06/16/25 21:31	1
Benzaldehyde	ND		10.0	0.670	ug/L		06/13/25 07:00	06/16/25 21:31	1
Benzo[a]anthracene	ND		10.0	1.00	ug/L		06/13/25 07:00	06/16/25 21:31	1
Benzo[a]pyrene	ND		10.0	1.10	ug/L		06/13/25 07:00	06/16/25 21:31	1
Benzo[b]fluoranthene	ND		10.0	1.20	ug/L		06/13/25 07:00	06/16/25 21:31	1
Benzo[g,h,i]perylene	ND		10.0	1.50	ug/L		06/13/25 07:00	06/16/25 21:31	1
Benzo[k]fluoranthene	ND		10.0	1.50	ug/L		06/13/25 07:00	06/16/25 21:31	1
bis (2-chloroisopropyl) ether	ND		10.0	0.930	ug/L		06/13/25 07:00	06/16/25 21:31	1
Bis(2-chloroethoxy)methane	ND		10.0	0.340	ug/L		06/13/25 07:00	06/16/25 21:31	1
Bis(2-chloroethyl)ether	ND		10.0	0.730	ug/L		06/13/25 07:00	06/16/25 21:31	1
Bis(2-ethylhexyl) phthalate	ND		10.0	4.00	ug/L		06/13/25 07:00	06/16/25 21:31	1
Butyl benzyl phthalate	ND		10.0	4.00	ug/L		06/13/25 07:00	06/16/25 21:31	1
Caprolactam	**10.4**		10.0	2.40	ug/L		06/13/25 07:00	06/16/25 21:31	1
Carbazole	ND		10.0	0.320	ug/L		06/13/25 07:00	06/16/25 21:31	1
Chrysene	ND		10.0	1.20	ug/L		06/13/25 07:00	06/16/25 21:31	1
Dibenz(a,h)anthracene	ND		10.0	1.30	ug/L		06/13/25 07:00	06/16/25 21:31	1
Dibenzofuran	ND		10.0	0.640	ug/L		06/13/25 07:00	06/16/25 21:31	1
Diethyl phthalate	ND		10.0	4.00	ug/L		06/13/25 07:00	06/16/25 21:31	1
Dimethyl phthalate	ND		10.0	4.00	ug/L		06/13/25 07:00	06/16/25 21:31	1
Di-n-butyl phthalate	ND		10.0	4.00	ug/L		06/13/25 07:00	06/16/25 21:31	1
Di-n-octyl phthalate	ND		10.0	4.00	ug/L		06/13/25 07:00	06/16/25 21:31	1
Fluoranthene	ND		10.0	0.630	ug/L		06/13/25 07:00	06/16/25 21:31	1
Fluorene	ND		10.0	0.670	ug/L		06/13/25 07:00	06/16/25 21:31	1
Hexachlorobenzene	ND		10.0	0.250	ug/L		06/13/25 07:00	06/16/25 21:31	1
Hexachlorobutadiene	ND	*1	10.0	0.550	ug/L		06/13/25 07:00	06/16/25 21:31	1
Hexachlorocyclopentadiene	ND	*1	20.0	0.320	ug/L		06/13/25 07:00	06/16/25 21:31	1
Hexachloroethane	ND		10.0	0.530	ug/L		06/13/25 07:00	06/16/25 21:31	1
Indeno[1,2,3-cd]pyrene	ND		10.0	1.10	ug/L		06/13/25 07:00	06/16/25 21:31	1
Isophorone	ND		10.0	0.800	ug/L		06/13/25 07:00	06/16/25 21:31	1
Naphthalene	ND		10.0	0.750	ug/L		06/13/25 07:00	06/16/25 21:31	1
Nitrobenzene	ND		10.0	0.600	ug/L		06/13/25 07:00	06/16/25 21:31	1
N-Nitrosodi-n-propylamine	ND		10.0	0.330	ug/L		06/13/25 07:00	06/16/25 21:31	1

Client Sample ID: MW-3

Date Collected: 06/10/25 17:00
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277476-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		10.0	0.190	ug/L		06/13/25 07:00	06/16/25 21:31	1
Pentachlorophenol	ND		10.0	2.80	ug/L		06/13/25 07:00	06/16/25 21:31	1
Phenanthrene	ND		10.0	0.740	ug/L		06/13/25 07:00	06/16/25 21:31	1
Phenol	ND		10.0	0.680	ug/L		06/13/25 07:00	06/16/25 21:31	1
Pyrene	ND		10.0	0.630	ug/L		06/13/25 07:00	06/16/25 21:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*70*		*10 - 150*	*06/13/25 07:00*	*06/16/25 21:31*	*1*
2-Fluorobiphenyl (Surr)	*61*		*25 - 139*	*06/13/25 07:00*	*06/16/25 21:31*	*1*
2-Fluorophenol (Surr)	*79*		*10 - 150*	*06/13/25 07:00*	*06/16/25 21:31*	*1*
Nitrobenzene-d5 (Surr)	*67*		*22 - 150*	*06/13/25 07:00*	*06/16/25 21:31*	*1*
Phenol-d5 (Surr)	*82*		*10 - 150*	*06/13/25 07:00*	*06/16/25 21:31*	*1*
Terphenyl-d14 (Surr)	*56*		*28 - 150*	*06/13/25 07:00*	*06/16/25 21:31*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**65.5**		5.00	1.95	mg/L			06/13/25 21:23	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.12**	**J**	5.00	0.340	ug/L		06/16/25 05:29	06/17/25 11:51	1
Arsenic	**0.870**	**J**	3.00	0.860	ug/L		06/16/25 05:29	06/17/25 11:51	1
Barium	**235**		5.00	0.890	ug/L		06/16/25 05:29	06/17/25 11:51	1
Beryllium	ND		0.500	0.200	ug/L		06/16/25 05:29	06/17/25 11:51	1
Cadmium	ND		0.500	0.0780	ug/L		06/16/25 05:29	06/17/25 11:51	1
Chromium	**21.5**		5.00	1.20	ug/L		06/16/25 05:29	06/17/25 11:51	1
Cobalt	**4.61**		0.500	0.220	ug/L		06/16/25 05:29	06/17/25 11:51	1
Copper	**7.40**		5.00	1.08	ug/L		06/16/25 05:29	06/17/25 11:51	1
Lead	**1.11**	**J**	2.50	0.210	ug/L		06/16/25 05:29	06/17/25 11:51	1
Manganese	**778**		5.00	2.20	ug/L		06/16/25 05:29	06/17/25 11:51	1
Nickel	**13.6**		5.00	0.420	ug/L		06/16/25 05:29	06/17/25 11:51	1
Selenium	ND		2.50	0.990	ug/L		06/16/25 05:29	06/17/25 11:51	1
Silver	ND		1.00	0.390	ug/L		06/16/25 05:29	06/17/25 11:51	1
Thallium	ND		1.00	0.260	ug/L		06/16/25 05:29	06/17/25 11:51	1
Vanadium	**15.7**		10.0	0.630	ug/L		06/16/25 05:29	06/17/25 11:51	1
Zinc	**23.0**		20.0	2.80	ug/L		06/16/25 05:29	06/17/25 11:51	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		06/20/25 13:23	06/20/25 18:18	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			06/17/25 13:01	1
Nitrate as N (SM Nitrate by calc)	**0.202**	**H**	0.0500	0.0180	mg/L			06/13/25 10:07	1
Nitrite as N (SM 4500 NO2 B)	ND	H	0.100	0.0180	mg/L			06/13/25 10:07	1
Nitrate Nitrite as N (SM 4500 NO3 F)	**0.202**		0.0500	0.0180	mg/L			06/16/25 14:46	1

Client: S&ME Inc
Job ID: 400-277476-1
Project/Site: Southside Park LF

Client Sample ID: MW-4
Lab Sample ID: 400-277476-4
Date Collected: 06/09/25 16:15
Matrix: Water
Date Received: 06/12/25 09:40

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			06/20/25 16:54	1
Benzene	ND		1.00	0.500	ug/L			06/20/25 16:54	1
Bromobenzene	ND		1.00	0.540	ug/L			06/20/25 16:54	1
Bromoform	ND		5.00	0.250	ug/L			06/20/25 16:54	1
Bromomethane	ND		1.00	0.980	ug/L			06/20/25 16:54	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/20/25 16:54	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/20/25 16:54	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/20/25 16:54	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/20/25 16:54	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/20/25 16:54	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/20/25 16:54	1
Chloroethane	ND		1.00	0.760	ug/L			06/20/25 16:54	1
Chloroform	ND		1.00	0.900	ug/L			06/20/25 16:54	1
Chloromethane	ND		1.00	0.400	ug/L			06/20/25 16:54	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/20/25 16:54	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/20/25 16:54	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/20/25 16:54	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/20/25 16:54	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/20/25 16:54	1
Dibromomethane	ND		5.00	0.220	ug/L			06/20/25 16:54	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/20/25 16:54	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/20/25 16:54	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/20/25 16:54	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/20/25 16:54	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/20/25 16:54	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/20/25 16:54	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/20/25 16:54	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 16:54	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 16:54	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 16:54	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/20/25 16:54	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/20/25 16:54	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/20/25 16:54	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/20/25 16:54	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			06/20/25 16:54	1
Hexane	ND		1.00	0.960	ug/L			06/20/25 16:54	1
2-Hexanone	ND		25.0	4.26	ug/L			06/20/25 16:54	1
Iodomethane	ND		1.00	0.900	ug/L			06/20/25 16:54	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/20/25 16:54	1
Isopropyl ether	ND	*+	1.00	0.740	ug/L			06/20/25 16:54	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/20/25 16:54	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/20/25 16:54	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/20/25 16:54	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/20/25 16:54	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/20/25 16:54	1
Naphthalene	ND		5.00	3.00	ug/L			06/20/25 16:54	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/20/25 16:54	1
n-Heptane	ND		1.00	0.210	ug/L			06/20/25 16:54	1
N-Propylbenzene	ND		1.00	0.690	ug/L			06/20/25 16:54	1

Client Sample ID: MW-4
Date Collected: 06/09/25 16:15
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277476-4
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			06/20/25 16:54	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/20/25 16:54	1
Styrene	ND		1.00	1.00	ug/L			06/20/25 16:54	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/20/25 16:54	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/20/25 16:54	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/20/25 16:54	1
Tetrachloroethene	ND		1.00	0.330	ug/L			06/20/25 16:54	1
Toluene	ND		1.00	0.900	ug/L			06/20/25 16:54	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/20/25 16:54	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/20/25 16:54	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/20/25 16:54	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/20/25 16:54	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/20/25 16:54	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/20/25 16:54	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/20/25 16:54	1
Trichloroethene	ND		1.00	0.150	ug/L			06/20/25 16:54	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			06/20/25 16:54	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/20/25 16:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/20/25 16:54	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/20/25 16:54	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/20/25 16:54	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/20/25 16:54	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/20/25 16:54	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/20/25 16:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*56 - 136*		*06/20/25 16:54*	*1*
Dibromofluoromethane	*104*		*79 - 130*		*06/20/25 16:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*116*		*59 - 146*		*06/20/25 16:54*	*1*
Toluene-d8 (Surr)	*100*		*64 - 132*		*06/20/25 16:54*	*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	**12.0**		0.274	0.274	ug/L		06/13/25 07:00	06/20/25 18:28	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*31*		*10 - 140*	*06/13/25 07:00*	*06/20/25 18:28*	*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		06/13/25 07:00	06/16/25 22:06	1
2,4,5-Trichlorophenol	ND		10.0	0.540	ug/L		06/13/25 07:00	06/16/25 22:06	1
2,4,6-Trichlorophenol	ND		10.0	1.09	ug/L		06/13/25 07:00	06/16/25 22:06	1
2,4-Dichlorophenol	ND		10.0	0.570	ug/L		06/13/25 07:00	06/16/25 22:06	1
2,4-Dimethylphenol	ND		10.0	0.240	ug/L		06/13/25 07:00	06/16/25 22:06	1
2,4-Dinitrophenol	ND		30.0	4.68	ug/L		06/13/25 07:00	06/16/25 22:06	1
2,4-Dinitrotoluene	ND		10.0	0.650	ug/L		06/13/25 07:00	06/16/25 22:06	1
2,6-Dinitrotoluene	ND		10.0	0.290	ug/L		06/13/25 07:00	06/16/25 22:06	1
2-Chloronaphthalene	ND		10.0	0.380	ug/L		06/13/25 07:00	06/16/25 22:06	1
2-Chlorophenol	ND		10.0	0.840	ug/L		06/13/25 07:00	06/16/25 22:06	1
2-Methylnaphthalene	ND		10.0	0.810	ug/L		06/13/25 07:00	06/16/25 22:06	1

Client: S&ME Inc
Job ID: 400-277476-1
Project/Site: Southside Park LF

Client Sample ID: MW-4
Lab Sample ID: 400-277476-4
Date Collected: 06/09/25 16:15
Matrix: Water
Date Received: 06/12/25 09:40

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		06/13/25 07:00	06/16/25 22:06	1
2-Nitroaniline	ND		10.0	1.37	ug/L		06/13/25 07:00	06/16/25 22:06	1
2-Nitrophenol	ND		10.0	1.17	ug/L		06/13/25 07:00	06/16/25 22:06	1
3 & 4 Methylphenol	ND		20.0	4.60	ug/L		06/13/25 07:00	06/16/25 22:06	1
3,3'-Dichlorobenzidine	ND		11.0	0.410	ug/L		06/13/25 07:00	06/16/25 22:06	1
3-Nitroaniline	ND		10.0	0.950	ug/L		06/13/25 07:00	06/16/25 22:06	1
4,6-Dinitro-2-methylphenol	ND		10.0	1.97	ug/L		06/13/25 07:00	06/16/25 22:06	1
4-Bromophenyl phenyl ether	ND		10.0	0.130	ug/L		06/13/25 07:00	06/16/25 22:06	1
4-Chloro-3-methylphenol	**1.20**	**J**	10.0	0.730	ug/L		06/13/25 07:00	06/16/25 22:06	1
4-Chloroaniline	ND		10.0	0.280	ug/L		06/13/25 07:00	06/16/25 22:06	1
4-Chlorophenyl phenyl ether	ND		10.0	0.240	ug/L		06/13/25 07:00	06/16/25 22:06	1
4-Nitroaniline	ND		10.0	3.50	ug/L		06/13/25 07:00	06/16/25 22:06	1
4-Nitrophenol	ND		10.0	2.74	ug/L		06/13/25 07:00	06/16/25 22:06	1
Acenaphthene	**1.28**	**J**	10.0	0.630	ug/L		06/13/25 07:00	06/16/25 22:06	1
Acenaphthylene	ND		10.0	0.760	ug/L		06/13/25 07:00	06/16/25 22:06	1
Acetophenone	ND		10.0	3.20	ug/L		06/13/25 07:00	06/16/25 22:06	1
Anthracene	ND		10.0	0.910	ug/L		06/13/25 07:00	06/16/25 22:06	1
Atrazine	ND		10.0	1.13	ug/L		06/13/25 07:00	06/16/25 22:06	1
Benzaldehyde	ND		10.0	0.670	ug/L		06/13/25 07:00	06/16/25 22:06	1
Benzo[a]anthracene	ND		10.0	1.00	ug/L		06/13/25 07:00	06/16/25 22:06	1
Benzo[a]pyrene	ND		10.0	1.10	ug/L		06/13/25 07:00	06/16/25 22:06	1
Benzo[b]fluoranthene	ND		10.0	1.20	ug/L		06/13/25 07:00	06/16/25 22:06	1
Benzo[g,h,i]perylene	ND		10.0	1.50	ug/L		06/13/25 07:00	06/16/25 22:06	1
Benzo[k]fluoranthene	ND		10.0	1.50	ug/L		06/13/25 07:00	06/16/25 22:06	1
bis (2-chloroisopropyl) ether	ND		10.0	0.930	ug/L		06/13/25 07:00	06/16/25 22:06	1
Bis(2-chloroethoxy)methane	ND		10.0	0.340	ug/L		06/13/25 07:00	06/16/25 22:06	1
Bis(2-chloroethyl)ether	ND		10.0	0.730	ug/L		06/13/25 07:00	06/16/25 22:06	1
Bis(2-ethylhexyl) phthalate	ND		10.0	4.00	ug/L		06/13/25 07:00	06/16/25 22:06	1
Butyl benzyl phthalate	ND		10.0	4.00	ug/L		06/13/25 07:00	06/16/25 22:06	1
Caprolactam	ND		10.0	2.40	ug/L		06/13/25 07:00	06/16/25 22:06	1
Carbazole	**0.970**	**J**	10.0	0.320	ug/L		06/13/25 07:00	06/16/25 22:06	1
Chrysene	ND		10.0	1.20	ug/L		06/13/25 07:00	06/16/25 22:06	1
Dibenz(a,h)anthracene	ND		10.0	1.30	ug/L		06/13/25 07:00	06/16/25 22:06	1
Dibenzofuran	ND		10.0	0.640	ug/L		06/13/25 07:00	06/16/25 22:06	1
Diethyl phthalate	ND		10.0	4.00	ug/L		06/13/25 07:00	06/16/25 22:06	1
Dimethyl phthalate	ND		10.0	4.00	ug/L		06/13/25 07:00	06/16/25 22:06	1
Di-n-butyl phthalate	ND		10.0	4.00	ug/L		06/13/25 07:00	06/16/25 22:06	1
Di-n-octyl phthalate	ND		10.0	4.00	ug/L		06/13/25 07:00	06/16/25 22:06	1
Fluoranthene	ND		10.0	0.630	ug/L		06/13/25 07:00	06/16/25 22:06	1
Fluorene	ND		10.0	0.670	ug/L		06/13/25 07:00	06/16/25 22:06	1
Hexachlorobenzene	ND		10.0	0.250	ug/L		06/13/25 07:00	06/16/25 22:06	1
Hexachlorobutadiene	ND	*1	10.0	0.550	ug/L		06/13/25 07:00	06/16/25 22:06	1
Hexachlorocyclopentadiene	ND	*1	20.0	0.320	ug/L		06/13/25 07:00	06/16/25 22:06	1
Hexachloroethane	ND		10.0	0.530	ug/L		06/13/25 07:00	06/16/25 22:06	1
Indeno[1,2,3-cd]pyrene	ND		10.0	1.10	ug/L		06/13/25 07:00	06/16/25 22:06	1
Isophorone	ND		10.0	0.800	ug/L		06/13/25 07:00	06/16/25 22:06	1
Naphthalene	ND		10.0	0.750	ug/L		06/13/25 07:00	06/16/25 22:06	1
Nitrobenzene	ND		10.0	0.600	ug/L		06/13/25 07:00	06/16/25 22:06	1
N-Nitrosodi-n-propylamine	ND		10.0	0.330	ug/L		06/13/25 07:00	06/16/25 22:06	1

Client Sample ID: MW-4
Lab Sample ID: 400-277476-4
Date Collected: 06/09/25 16:15
Matrix: Water
Date Received: 06/12/25 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	0.201	J	10.0	0.190	ug/L		06/13/25 07:00	06/16/25 22:06	1
Pentachlorophenol	ND		10.0	2.80	ug/L		06/13/25 07:00	06/16/25 22:06	1
Phenanthrene	ND		10.0	0.740	ug/L		06/13/25 07:00	06/16/25 22:06	1
Phenol	ND		10.0	0.680	ug/L		06/13/25 07:00	06/16/25 22:06	1
Pyrene	ND		10.0	0.630	ug/L		06/13/25 07:00	06/16/25 22:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*70*		*10 - 150*	*06/13/25 07:00*	*06/16/25 22:06*	*1*
2-Fluorobiphenyl (Surr)	*58*		*25 - 139*	*06/13/25 07:00*	*06/16/25 22:06*	*1*
2-Fluorophenol (Surr)	*75*		*10 - 150*	*06/13/25 07:00*	*06/16/25 22:06*	*1*
Nitrobenzene-d5 (Surr)	*62*		*22 - 150*	*06/13/25 07:00*	*06/16/25 22:06*	*1*
Phenol-d5 (Surr)	*81*		*10 - 150*	*06/13/25 07:00*	*06/16/25 22:06*	*1*
Terphenyl-d14 (Surr)	*51*		*28 - 150*	*06/13/25 07:00*	*06/16/25 22:06*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	22.4		1.00	0.390	mg/L			06/12/25 20:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	0.340	ug/L		06/16/25 05:29	06/17/25 12:22	1
Arsenic	2.91	J	3.00	0.860	ug/L		06/16/25 05:29	06/17/25 12:22	1
Barium	646		5.00	0.890	ug/L		06/16/25 05:29	06/17/25 12:22	1
Beryllium	ND		0.500	0.200	ug/L		06/16/25 05:29	06/17/25 12:22	1
Cadmium	0.150	J	0.500	0.0780	ug/L		06/16/25 05:29	06/17/25 12:22	1
Chromium	2.67	J	5.00	1.20	ug/L		06/16/25 05:29	06/17/25 12:22	1
Cobalt	16.5		0.500	0.220	ug/L		06/16/25 05:29	06/17/25 12:22	1
Copper	6.34		5.00	1.08	ug/L		06/16/25 05:29	06/17/25 12:22	1
Lead	27.2		2.50	0.210	ug/L		06/16/25 05:29	06/17/25 12:22	1
Manganese	1290		5.00	2.20	ug/L		06/16/25 05:29	06/17/25 12:22	1
Nickel	5.50		5.00	0.420	ug/L		06/16/25 05:29	06/17/25 12:22	1
Selenium	ND		2.50	0.990	ug/L		06/16/25 05:29	06/17/25 12:22	1
Silver	ND		1.00	0.390	ug/L		06/16/25 05:29	06/17/25 12:22	1
Thallium	ND		1.00	0.260	ug/L		06/16/25 05:29	06/17/25 12:22	1
Vanadium	15.8		10.0	0.630	ug/L		06/16/25 05:29	06/17/25 12:22	1
Zinc	66.0		20.0	2.80	ug/L		06/16/25 05:29	06/17/25 12:22	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.123	J	0.200	0.0800	ug/L		06/20/25 13:23	06/20/25 18:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	24.7		0.500	0.460	mg/L			06/18/25 10:50	10
Nitrate as N (SM Nitrate by calc)	0.0260	J H H3	0.0500	0.0180	mg/L			06/13/25 10:07	1
Nitrite as N (SM 4500 NO2 B)	ND	H H3	0.100	0.0180	mg/L			06/13/25 10:07	1
Nitrate Nitrite as N (SM 4500 NO3 F)	0.0260	J	0.0500	0.0180	mg/L			06/16/25 14:48	1

Client: S&ME Inc
Job ID: 400-277476-1
Project/Site: Southside Park LF

Client Sample ID: MW-5
Lab Sample ID: 400-277476-5
Date Collected: 06/09/25 15:30
Matrix: Water
Date Received: 06/12/25 09:40

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			06/20/25 17:15	1
Benzene	ND		1.00	0.500	ug/L			06/20/25 17:15	1
Bromobenzene	ND		1.00	0.540	ug/L			06/20/25 17:15	1
Bromoform	ND		5.00	0.250	ug/L			06/20/25 17:15	1
Bromomethane	ND		1.00	0.980	ug/L			06/20/25 17:15	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/20/25 17:15	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/20/25 17:15	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/20/25 17:15	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/20/25 17:15	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/20/25 17:15	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/20/25 17:15	1
Chloroethane	ND		1.00	0.760	ug/L			06/20/25 17:15	1
Chloroform	ND		1.00	0.900	ug/L			06/20/25 17:15	1
Chloromethane	ND		1.00	0.400	ug/L			06/20/25 17:15	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/20/25 17:15	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/20/25 17:15	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/20/25 17:15	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/20/25 17:15	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/20/25 17:15	1
Dibromomethane	ND		5.00	0.220	ug/L			06/20/25 17:15	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/20/25 17:15	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/20/25 17:15	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/20/25 17:15	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/20/25 17:15	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/20/25 17:15	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/20/25 17:15	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/20/25 17:15	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 17:15	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 17:15	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 17:15	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/20/25 17:15	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/20/25 17:15	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/20/25 17:15	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/20/25 17:15	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			06/20/25 17:15	1
Hexane	ND		1.00	0.960	ug/L			06/20/25 17:15	1
2-Hexanone	ND		25.0	4.26	ug/L			06/20/25 17:15	1
Iodomethane	ND		1.00	0.900	ug/L			06/20/25 17:15	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/20/25 17:15	1
Isopropyl ether	ND	*+	1.00	0.740	ug/L			06/20/25 17:15	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/20/25 17:15	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/20/25 17:15	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/20/25 17:15	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/20/25 17:15	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/20/25 17:15	1
Naphthalene	ND		5.00	3.00	ug/L			06/20/25 17:15	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/20/25 17:15	1
n-Heptane	ND		1.00	0.210	ug/L			06/20/25 17:15	1
N-Propylbenzene	ND		1.00	0.690	ug/L			06/20/25 17:15	1

Client Sample ID: MW-5
Date Collected: 06/09/25 15:30
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277476-5
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			06/20/25 17:15	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/20/25 17:15	1
Styrene	ND		1.00	1.00	ug/L			06/20/25 17:15	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/20/25 17:15	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/20/25 17:15	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/20/25 17:15	1
Tetrachloroethene	ND		1.00	0.330	ug/L			06/20/25 17:15	1
Toluene	ND		1.00	0.900	ug/L			06/20/25 17:15	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/20/25 17:15	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/20/25 17:15	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/20/25 17:15	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/20/25 17:15	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/20/25 17:15	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/20/25 17:15	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/20/25 17:15	1
Trichloroethene	ND		1.00	0.150	ug/L			06/20/25 17:15	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			06/20/25 17:15	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/20/25 17:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/20/25 17:15	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/20/25 17:15	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/20/25 17:15	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/20/25 17:15	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/20/25 17:15	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/20/25 17:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*56 - 136*		*06/20/25 17:15*	*1*
Dibromofluoromethane	*103*		*79 - 130*		*06/20/25 17:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*59 - 146*		*06/20/25 17:15*	*1*
Toluene-d8 (Surr)	*98*		*64 - 132*		*06/20/25 17:15*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.283	0.283	ug/L		06/13/25 07:00	06/20/25 18:50	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*39*		*10 - 140*	*06/13/25 07:00*	*06/20/25 18:50*	*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		06/13/25 07:00	06/16/25 22:41	1
2,4,5-Trichlorophenol	ND		9.90	0.535	ug/L		06/13/25 07:00	06/16/25 22:41	1
2,4,6-Trichlorophenol	ND		9.90	1.08	ug/L		06/13/25 07:00	06/16/25 22:41	1
2,4-Dichlorophenol	ND		9.90	0.564	ug/L		06/13/25 07:00	06/16/25 22:41	1
2,4-Dimethylphenol	ND		9.90	0.238	ug/L		06/13/25 07:00	06/16/25 22:41	1
2,4-Dinitrophenol	ND		29.7	4.63	ug/L		06/13/25 07:00	06/16/25 22:41	1
2,4-Dinitrotoluene	ND		9.90	0.644	ug/L		06/13/25 07:00	06/16/25 22:41	1
2,6-Dinitrotoluene	ND		9.90	0.287	ug/L		06/13/25 07:00	06/16/25 22:41	1
2-Chloronaphthalene	ND		9.90	0.376	ug/L		06/13/25 07:00	06/16/25 22:41	1
2-Chlorophenol	ND		9.90	0.832	ug/L		06/13/25 07:00	06/16/25 22:41	1
2-Methylnaphthalene	ND		9.90	0.802	ug/L		06/13/25 07:00	06/16/25 22:41	1

Client: S&ME Inc
Job ID: 400-277476-1
Project/Site: Southside Park LF

Client Sample ID: MW-5
Lab Sample ID: 400-277476-5
Date Collected: 06/09/25 15:30
Matrix: Water
Date Received: 06/12/25 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		9.90	0.752	ug/L		06/13/25 07:00	06/16/25 22:41	1
2-Nitroaniline	ND		9.90	1.36	ug/L		06/13/25 07:00	06/16/25 22:41	1
2-Nitrophenol	ND		9.90	1.16	ug/L		06/13/25 07:00	06/16/25 22:41	1
3 & 4 Methylphenol	ND		19.8	4.55	ug/L		06/13/25 07:00	06/16/25 22:41	1
3,3'-Dichlorobenzidine	ND		10.9	0.406	ug/L		06/13/25 07:00	06/16/25 22:41	1
3-Nitroaniline	ND		9.90	0.941	ug/L		06/13/25 07:00	06/16/25 22:41	1
4,6-Dinitro-2-methylphenol	ND		9.90	1.95	ug/L		06/13/25 07:00	06/16/25 22:41	1
4-Bromophenyl phenyl ether	ND		9.90	0.129	ug/L		06/13/25 07:00	06/16/25 22:41	1
4-Chloro-3-methylphenol	ND		9.90	0.723	ug/L		06/13/25 07:00	06/16/25 22:41	1
4-Chloroaniline	ND		9.90	0.277	ug/L		06/13/25 07:00	06/16/25 22:41	1
4-Chlorophenyl phenyl ether	ND		9.90	0.238	ug/L		06/13/25 07:00	06/16/25 22:41	1
4-Nitroaniline	ND		9.90	3.47	ug/L		06/13/25 07:00	06/16/25 22:41	1
4-Nitrophenol	ND		9.90	2.71	ug/L		06/13/25 07:00	06/16/25 22:41	1
Acenaphthene	ND		9.90	0.624	ug/L		06/13/25 07:00	06/16/25 22:41	1
Acenaphthylene	ND		9.90	0.752	ug/L		06/13/25 07:00	06/16/25 22:41	1
Acetophenone	ND		9.90	3.17	ug/L		06/13/25 07:00	06/16/25 22:41	1
Anthracene	ND		9.90	0.901	ug/L		06/13/25 07:00	06/16/25 22:41	1
Atrazine	ND		9.90	1.12	ug/L		06/13/25 07:00	06/16/25 22:41	1
Benzaldehyde	ND		9.90	0.663	ug/L		06/13/25 07:00	06/16/25 22:41	1
Benzo[a]anthracene	ND		9.90	0.990	ug/L		06/13/25 07:00	06/16/25 22:41	1
Benzo[a]pyrene	ND		9.90	1.09	ug/L		06/13/25 07:00	06/16/25 22:41	1
Benzo[b]fluoranthene	ND		9.90	1.19	ug/L		06/13/25 07:00	06/16/25 22:41	1
Benzo[g,h,i]perylene	ND		9.90	1.49	ug/L		06/13/25 07:00	06/16/25 22:41	1
Benzo[k]fluoranthene	ND		9.90	1.49	ug/L		06/13/25 07:00	06/16/25 22:41	1
bis (2-chloroisopropyl) ether	ND		9.90	0.921	ug/L		06/13/25 07:00	06/16/25 22:41	1
Bis(2-chloroethoxy)methane	ND		9.90	0.337	ug/L		06/13/25 07:00	06/16/25 22:41	1
Bis(2-chloroethyl)ether	ND		9.90	0.723	ug/L		06/13/25 07:00	06/16/25 22:41	1
Bis(2-ethylhexyl) phthalate	ND		9.90	3.96	ug/L		06/13/25 07:00	06/16/25 22:41	1
Butyl benzyl phthalate	ND		9.90	3.96	ug/L		06/13/25 07:00	06/16/25 22:41	1
Caprolactam	ND		9.90	2.38	ug/L		06/13/25 07:00	06/16/25 22:41	1
Carbazole	ND		9.90	0.317	ug/L		06/13/25 07:00	06/16/25 22:41	1
Chrysene	ND		9.90	1.19	ug/L		06/13/25 07:00	06/16/25 22:41	1
Dibenz(a,h)anthracene	ND		9.90	1.29	ug/L		06/13/25 07:00	06/16/25 22:41	1
Dibenzofuran	ND		9.90	0.634	ug/L		06/13/25 07:00	06/16/25 22:41	1
Diethyl phthalate	ND		9.90	3.96	ug/L		06/13/25 07:00	06/16/25 22:41	1
Dimethyl phthalate	ND		9.90	3.96	ug/L		06/13/25 07:00	06/16/25 22:41	1
Di-n-butyl phthalate	ND		9.90	3.96	ug/L		06/13/25 07:00	06/16/25 22:41	1
Di-n-octyl phthalate	ND		9.90	3.96	ug/L		06/13/25 07:00	06/16/25 22:41	1
Fluoranthene	ND		9.90	0.624	ug/L		06/13/25 07:00	06/16/25 22:41	1
Fluorene	ND		9.90	0.663	ug/L		06/13/25 07:00	06/16/25 22:41	1
Hexachlorobenzene	ND		9.90	0.248	ug/L		06/13/25 07:00	06/16/25 22:41	1
Hexachlorobutadiene	ND	*1	9.90	0.545	ug/L		06/13/25 07:00	06/16/25 22:41	1
Hexachlorocyclopentadiene	ND	*1	19.8	0.317	ug/L		06/13/25 07:00	06/16/25 22:41	1
Hexachloroethane	ND		9.90	0.525	ug/L		06/13/25 07:00	06/16/25 22:41	1
Indeno[1,2,3-cd]pyrene	ND		9.90	1.09	ug/L		06/13/25 07:00	06/16/25 22:41	1
Isophorone	ND		9.90	0.792	ug/L		06/13/25 07:00	06/16/25 22:41	1
Naphthalene	ND		9.90	0.743	ug/L		06/13/25 07:00	06/16/25 22:41	1
Nitrobenzene	ND		9.90	0.594	ug/L		06/13/25 07:00	06/16/25 22:41	1
N-Nitrosodi-n-propylamine	ND		9.90	0.327	ug/L		06/13/25 07:00	06/16/25 22:41	1

Client Sample ID: MW-5
Date Collected: 06/09/25 15:30
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277476-5
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		9.90	0.188	ug/L		06/13/25 07:00	06/16/25 22:41	1
Pentachlorophenol	ND		9.90	2.77	ug/L		06/13/25 07:00	06/16/25 22:41	1
Phenanthrene	ND		9.90	0.733	ug/L		06/13/25 07:00	06/16/25 22:41	1
Phenol	ND		9.90	0.673	ug/L		06/13/25 07:00	06/16/25 22:41	1
Pyrene	ND		9.90	0.624	ug/L		06/13/25 07:00	06/16/25 22:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*55*		*10 - 150*	*06/13/25 07:00*	*06/16/25 22:41*	*1*
2-Fluorobiphenyl (Surr)	*58*		*25 - 139*	*06/13/25 07:00*	*06/16/25 22:41*	*1*
2-Fluorophenol (Surr)	*68*		*10 - 150*	*06/13/25 07:00*	*06/16/25 22:41*	*1*
Nitrobenzene-d5 (Surr)	*62*		*22 - 150*	*06/13/25 07:00*	*06/16/25 22:41*	*1*
Phenol-d5 (Surr)	*74*		*10 - 150*	*06/13/25 07:00*	*06/16/25 22:41*	*1*
Terphenyl-d14 (Surr)	*36*		*28 - 150*	*06/13/25 07:00*	*06/16/25 22:41*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**1.15**		1.00	0.390	mg/L			06/12/25 20:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.660**	**J**	5.00	0.340	ug/L		06/16/25 05:29	06/17/25 12:06	1
Arsenic	**1.20**	**J**	3.00	0.860	ug/L		06/16/25 05:29	06/17/25 12:06	1
Barium	**554**		5.00	0.890	ug/L		06/16/25 05:29	06/17/25 12:06	1
Beryllium	**0.600**		0.500	0.200	ug/L		06/16/25 05:29	06/17/25 12:06	1
Cadmium	**0.270**	**J**	0.500	0.0780	ug/L		06/16/25 05:29	06/17/25 12:06	1
Chromium	**10.3**		5.00	1.20	ug/L		06/16/25 05:29	06/17/25 12:06	1
Cobalt	**16.5**		0.500	0.220	ug/L		06/16/25 05:29	06/17/25 12:06	1
Copper	**84.8**		5.00	1.08	ug/L		06/16/25 05:29	06/17/25 12:06	1
Lead	**29.3**		2.50	0.210	ug/L		06/16/25 05:29	06/17/25 12:06	1
Manganese	**2410**		5.00	2.20	ug/L		06/16/25 05:29	06/17/25 12:06	1
Nickel	**7.49**		5.00	0.420	ug/L		06/16/25 05:29	06/17/25 12:06	1
Selenium	ND		2.50	0.990	ug/L		06/16/25 05:29	06/17/25 12:06	1
Silver	ND		1.00	0.390	ug/L		06/16/25 05:29	06/17/25 12:06	1
Thallium	ND		1.00	0.260	ug/L		06/16/25 05:29	06/17/25 12:06	1
Vanadium	**58.1**		10.0	0.630	ug/L		06/16/25 05:29	06/17/25 12:06	1
Zinc	**94.3**		20.0	2.80	ug/L		06/16/25 05:29	06/17/25 12:06	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		06/20/25 13:23	06/20/25 18:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	**2.56**		0.0500	0.0460	mg/L			06/17/25 13:07	1
Nitrate as N (SM Nitrate by calc)	ND	H H3	0.0500	0.0180	mg/L			06/13/25 10:07	1
Nitrite as N (SM 4500 NO2 B)	ND	H H3	0.100	0.0180	mg/L			06/13/25 10:07	1
Nitrate Nitrite as N (SM 4500 NO3 F)	ND		0.0500	0.0180	mg/L			06/16/25 14:50	1

Client: S&ME Inc
Job ID: 400-277476-1
Project/Site: Southside Park LF

Client Sample ID: MW-6
Lab Sample ID: 400-277476-6
Date Collected: 06/09/25 12:15
Matrix: Water
Date Received: 06/12/25 09:40

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			06/23/25 13:52	1
Benzene	ND		1.00	0.500	ug/L			06/23/25 13:52	1
Bromobenzene	ND		1.00	0.540	ug/L			06/23/25 13:52	1
Bromoform	ND		5.00	0.250	ug/L			06/23/25 13:52	1
Bromomethane	ND		1.00	0.980	ug/L			06/23/25 13:52	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/23/25 13:52	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/23/25 13:52	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/23/25 13:52	1
Chlorobenzene	**0.582**	**J**	1.00	0.420	ug/L			06/23/25 13:52	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/23/25 13:52	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/23/25 13:52	1
Chloroethane	ND		1.00	0.760	ug/L			06/23/25 13:52	1
Chloroform	ND		1.00	0.900	ug/L			06/23/25 13:52	1
Chloromethane	ND		1.00	0.400	ug/L			06/23/25 13:52	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/23/25 13:52	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/23/25 13:52	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/23/25 13:52	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/23/25 13:52	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/23/25 13:52	1
Dibromomethane	ND		5.00	0.220	ug/L			06/23/25 13:52	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/23/25 13:52	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/23/25 13:52	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/23/25 13:52	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/23/25 13:52	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/23/25 13:52	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/23/25 13:52	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/23/25 13:52	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/23/25 13:52	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/23/25 13:52	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/23/25 13:52	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/23/25 13:52	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/23/25 13:52	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/23/25 13:52	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/23/25 13:52	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			06/23/25 13:52	1
Hexane	ND		1.00	0.960	ug/L			06/23/25 13:52	1
2-Hexanone	ND		25.0	4.26	ug/L			06/23/25 13:52	1
Iodomethane	ND		1.00	0.900	ug/L			06/23/25 13:52	1
Isopropylbenzene	**2.15**		1.00	0.530	ug/L			06/23/25 13:52	1
Isopropyl ether	ND		1.00	0.740	ug/L			06/23/25 13:52	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/23/25 13:52	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/23/25 13:52	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/23/25 13:52	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/23/25 13:52	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/23/25 13:52	1
Naphthalene	ND		5.00	3.00	ug/L			06/23/25 13:52	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/23/25 13:52	1
n-Heptane	ND		1.00	0.210	ug/L			06/23/25 13:52	1
N-Propylbenzene	ND		1.00	0.690	ug/L			06/23/25 13:52	1

Client Sample ID: MW-6
Date Collected: 06/09/25 12:15
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277476-6
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			06/23/25 13:52	1
sec-Butylbenzene	**1.06**		1.00	0.700	ug/L			06/23/25 13:52	1
Styrene	ND		1.00	1.00	ug/L			06/23/25 13:52	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/23/25 13:52	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/23/25 13:52	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/23/25 13:52	1
Tetrachloroethene	ND		1.00	0.330	ug/L			06/23/25 13:52	1
Toluene	ND		1.00	0.900	ug/L			06/23/25 13:52	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/23/25 13:52	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/23/25 13:52	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/23/25 13:52	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/23/25 13:52	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/23/25 13:52	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/23/25 13:52	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/23/25 13:52	1
Trichloroethene	ND		1.00	0.150	ug/L			06/23/25 13:52	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			06/23/25 13:52	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/23/25 13:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/23/25 13:52	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/23/25 13:52	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/23/25 13:52	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/23/25 13:52	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/23/25 13:52	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/23/25 13:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*56 - 136*		*06/23/25 13:52*	*1*
Dibromofluoromethane	*107*		*79 - 130*		*06/23/25 13:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*59 - 146*		*06/23/25 13:52*	*1*
Toluene-d8 (Surr)	*98*		*64 - 132*		*06/23/25 13:52*	*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		1.37	1.37	ug/L		06/16/25 07:00	06/19/25 19:04	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*24*		*10 - 140*	*06/16/25 07:00*	*06/19/25 19:04*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.71	0.408	ug/L		06/13/25 07:00	06/16/25 23:16	1
2,4,5-Trichlorophenol	ND		9.71	0.524	ug/L		06/13/25 07:00	06/16/25 23:16	1
2,4,6-Trichlorophenol	ND		9.71	1.06	ug/L		06/13/25 07:00	06/16/25 23:16	1
2,4-Dichlorophenol	ND		9.71	0.553	ug/L		06/13/25 07:00	06/16/25 23:16	1
2,4-Dimethylphenol	ND		9.71	0.233	ug/L		06/13/25 07:00	06/16/25 23:16	1
2,4-Dinitrophenol	ND		29.1	4.54	ug/L		06/13/25 07:00	06/16/25 23:16	1
2,4-Dinitrotoluene	ND		9.71	0.631	ug/L		06/13/25 07:00	06/16/25 23:16	1
2,6-Dinitrotoluene	ND		9.71	0.282	ug/L		06/13/25 07:00	06/16/25 23:16	1
2-Chloronaphthalene	ND		9.71	0.369	ug/L		06/13/25 07:00	06/16/25 23:16	1
2-Chlorophenol	ND		9.71	0.816	ug/L		06/13/25 07:00	06/16/25 23:16	1
2-Methylnaphthalene	**6.02**	**J**	9.71	0.786	ug/L		06/13/25 07:00	06/16/25 23:16	1

Client: S&ME Inc
Project/Site: Southside Park LF

Job ID: 400-277476-1

Client Sample ID: MW-6
Date Collected: 06/09/25 12:15
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277476-6
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		06/13/25 07:00	06/16/25 23:16	1
2-Nitroaniline	ND		9.71	1.33	ug/L		06/13/25 07:00	06/16/25 23:16	1
2-Nitrophenol	ND		9.71	1.14	ug/L		06/13/25 07:00	06/16/25 23:16	1
3 & 4 Methylphenol	ND		19.4	4.47	ug/L		06/13/25 07:00	06/16/25 23:16	1
3,3'-Dichlorobenzidine	ND		10.7	0.398	ug/L		06/13/25 07:00	06/16/25 23:16	1
3-Nitroaniline	ND		9.71	0.922	ug/L		06/13/25 07:00	06/16/25 23:16	1
4,6-Dinitro-2-methylphenol	ND		9.71	1.91	ug/L		06/13/25 07:00	06/16/25 23:16	1
4-Bromophenyl phenyl ether	ND		9.71	0.126	ug/L		06/13/25 07:00	06/16/25 23:16	1
4-Chloro-3-methylphenol	**3.83**	**J**	9.71	0.709	ug/L		06/13/25 07:00	06/16/25 23:16	1
4-Chloroaniline	ND		9.71	0.272	ug/L		06/13/25 07:00	06/16/25 23:16	1
4-Chlorophenyl phenyl ether	ND		9.71	0.233	ug/L		06/13/25 07:00	06/16/25 23:16	1
4-Nitroaniline	ND		9.71	3.40	ug/L		06/13/25 07:00	06/16/25 23:16	1
4-Nitrophenol	ND		9.71	2.66	ug/L		06/13/25 07:00	06/16/25 23:16	1
Acenaphthene	**3.95**	**J**	9.71	0.612	ug/L		06/13/25 07:00	06/16/25 23:16	1
Acenaphthylene	ND		9.71	0.738	ug/L		06/13/25 07:00	06/16/25 23:16	1
Acetophenone	ND		9.71	3.11	ug/L		06/13/25 07:00	06/16/25 23:16	1
Anthracene	**1.11**	**J**	9.71	0.883	ug/L		06/13/25 07:00	06/16/25 23:16	1
Atrazine	ND		9.71	1.10	ug/L		06/13/25 07:00	06/16/25 23:16	1
Benzaldehyde	ND		9.71	0.650	ug/L		06/13/25 07:00	06/16/25 23:16	1
Benzo[a]anthracene	ND		9.71	0.971	ug/L		06/13/25 07:00	06/16/25 23:16	1
Benzo[a]pyrene	ND		9.71	1.07	ug/L		06/13/25 07:00	06/16/25 23:16	1
Benzo[b]fluoranthene	ND		9.71	1.17	ug/L		06/13/25 07:00	06/16/25 23:16	1
Benzo[g,h,i]perylene	ND		9.71	1.46	ug/L		06/13/25 07:00	06/16/25 23:16	1
Benzo[k]fluoranthene	ND		9.71	1.46	ug/L		06/13/25 07:00	06/16/25 23:16	1
bis (2-chloroisopropyl) ether	ND		9.71	0.903	ug/L		06/13/25 07:00	06/16/25 23:16	1
Bis(2-chloroethoxy)methane	ND		9.71	0.330	ug/L		06/13/25 07:00	06/16/25 23:16	1
Bis(2-chloroethyl)ether	ND		9.71	0.709	ug/L		06/13/25 07:00	06/16/25 23:16	1
Bis(2-ethylhexyl) phthalate	**4.55**	**J**	9.71	3.88	ug/L		06/13/25 07:00	06/16/25 23:16	1
Butyl benzyl phthalate	ND		9.71	3.88	ug/L		06/13/25 07:00	06/16/25 23:16	1
Caprolactam	ND		9.71	2.33	ug/L		06/13/25 07:00	06/16/25 23:16	1
Carbazole	ND		9.71	0.311	ug/L		06/13/25 07:00	06/16/25 23:16	1
Chrysene	ND		9.71	1.17	ug/L		06/13/25 07:00	06/16/25 23:16	1
Dibenz(a,h)anthracene	ND		9.71	1.26	ug/L		06/13/25 07:00	06/16/25 23:16	1
Dibenzofuran	**1.28**	**J**	9.71	0.621	ug/L		06/13/25 07:00	06/16/25 23:16	1
Diethyl phthalate	ND		9.71	3.88	ug/L		06/13/25 07:00	06/16/25 23:16	1
Dimethyl phthalate	ND		9.71	3.88	ug/L		06/13/25 07:00	06/16/25 23:16	1
Di-n-butyl phthalate	ND		9.71	3.88	ug/L		06/13/25 07:00	06/16/25 23:16	1
Di-n-octyl phthalate	ND		9.71	3.88	ug/L		06/13/25 07:00	06/16/25 23:16	1
Fluoranthene	**3.20**	**J**	9.71	0.612	ug/L		06/13/25 07:00	06/16/25 23:16	1
Fluorene	**2.67**	**J**	9.71	0.650	ug/L		06/13/25 07:00	06/16/25 23:16	1
Hexachlorobenzene	ND		9.71	0.243	ug/L		06/13/25 07:00	06/16/25 23:16	1
Hexachlorobutadiene	ND	*1	9.71	0.534	ug/L		06/13/25 07:00	06/16/25 23:16	1
Hexachlorocyclopentadiene	ND	*1	19.4	0.311	ug/L		06/13/25 07:00	06/16/25 23:16	1
Hexachloroethane	ND		9.71	0.515	ug/L		06/13/25 07:00	06/16/25 23:16	1
Indeno[1,2,3-cd]pyrene	ND		9.71	1.07	ug/L		06/13/25 07:00	06/16/25 23:16	1
Isophorone	ND		9.71	0.777	ug/L		06/13/25 07:00	06/16/25 23:16	1
Naphthalene	ND		9.71	0.728	ug/L		06/13/25 07:00	06/16/25 23:16	1
Nitrobenzene	ND		9.71	0.583	ug/L		06/13/25 07:00	06/16/25 23:16	1
N-Nitrosodi-n-propylamine	ND		9.71	0.320	ug/L		06/13/25 07:00	06/16/25 23:16	1

Client: S&ME Inc
Project/Site: Southside Park LF

Job ID: 400-277476-1

Client Sample ID: MW-6

Date Collected: 06/09/25 12:15
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277476-6

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	0.581	J	9.71	0.184	ug/L		06/13/25 07:00	06/16/25 23:16	1
Pentachlorophenol	ND		9.71	2.72	ug/L		06/13/25 07:00	06/16/25 23:16	1
Phenanthrene	5.96	J	9.71	0.718	ug/L		06/13/25 07:00	06/16/25 23:16	1
Phenol	ND		9.71	0.660	ug/L		06/13/25 07:00	06/16/25 23:16	1
Pyrene	2.79	J	9.71	0.612	ug/L		06/13/25 07:00	06/16/25 23:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*65*		*10 - 150*	*06/13/25 07:00*	*06/16/25 23:16*	*1*
2-Fluorobiphenyl (Surr)	*59*		*25 - 139*	*06/13/25 07:00*	*06/16/25 23:16*	*1*
2-Fluorophenol (Surr)	*75*		*10 - 150*	*06/13/25 07:00*	*06/16/25 23:16*	*1*
Nitrobenzene-d5 (Surr)	*59*		*22 - 150*	*06/13/25 07:00*	*06/16/25 23:16*	*1*
Phenol-d5 (Surr)	*82*		*10 - 150*	*06/13/25 07:00*	*06/16/25 23:16*	*1*
Terphenyl-d14 (Surr)	*45*		*28 - 150*	*06/13/25 07:00*	*06/16/25 23:16*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	1.46		1.00	0.390	mg/L			06/12/25 21:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	0.340	ug/L		06/16/25 05:29	06/17/25 11:59	1
Arsenic	2.27	J	3.00	0.860	ug/L		06/16/25 05:29	06/17/25 11:59	1
Barium	730		5.00	0.890	ug/L		06/16/25 05:29	06/17/25 11:59	1
Beryllium	0.325	J	0.500	0.200	ug/L		06/16/25 05:29	06/17/25 11:59	1
Cadmium	0.840		0.500	0.0780	ug/L		06/16/25 05:29	06/17/25 11:59	1
Chromium	5.71		5.00	1.20	ug/L		06/16/25 05:29	06/17/25 11:59	1
Cobalt	8.85		0.500	0.220	ug/L		06/16/25 05:29	06/17/25 11:59	1
Copper	1.57	J	5.00	1.08	ug/L		06/16/25 05:29	06/17/25 11:59	1
Lead	65.9		2.50	0.210	ug/L		06/16/25 05:29	06/17/25 11:59	1
Manganese	380		5.00	2.20	ug/L		06/16/25 05:29	06/17/25 11:59	1
Nickel	6.93		5.00	0.420	ug/L		06/16/25 05:29	06/17/25 11:59	1
Selenium	ND		2.50	0.990	ug/L		06/16/25 05:29	06/17/25 11:59	1
Silver	ND		1.00	0.390	ug/L		06/16/25 05:29	06/17/25 11:59	1
Thallium	ND		1.00	0.260	ug/L		06/16/25 05:29	06/17/25 11:59	1
Vanadium	19.9		10.0	0.630	ug/L		06/16/25 05:29	06/17/25 11:59	1
Zinc	1130		20.0	2.80	ug/L		06/16/25 05:29	06/17/25 11:59	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.236		0.200	0.0800	ug/L		06/20/25 13:23	06/20/25 18:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	38.7		1.00	0.920	mg/L			06/18/25 10:53	20
Nitrate as N (SM Nitrate by calc)	0.0180	J H H3	0.0500	0.0180	mg/L			06/13/25 10:08	1
Nitrite as N (SM 4500 NO2 B)	ND	H H3	0.100	0.0180	mg/L			06/13/25 10:08	1
Nitrate Nitrite as N (SM 4500 NO3 F)	0.0180	J	0.0500	0.0180	mg/L			06/16/25 14:51	1

Client: S&ME Inc
Job ID: 400-277476-1
Project/Site: Southside Park LF

Client Sample ID: MW-7
Lab Sample ID: 400-277476-7
Date Collected: 06/09/25 14:20
Matrix: Water
Date Received: 06/12/25 09:40

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			06/20/25 17:57	1
Benzene	ND		1.00	0.500	ug/L			06/20/25 17:57	1
Bromobenzene	ND		1.00	0.540	ug/L			06/20/25 17:57	1
Bromoform	ND		5.00	0.250	ug/L			06/20/25 17:57	1
Bromomethane	ND		1.00	0.980	ug/L			06/20/25 17:57	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/20/25 17:57	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/20/25 17:57	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/20/25 17:57	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/20/25 17:57	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/20/25 17:57	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/20/25 17:57	1
Chloroethane	ND		1.00	0.760	ug/L			06/20/25 17:57	1
Chloroform	ND		1.00	0.900	ug/L			06/20/25 17:57	1
Chloromethane	ND		1.00	0.400	ug/L			06/20/25 17:57	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/20/25 17:57	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/20/25 17:57	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/20/25 17:57	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/20/25 17:57	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/20/25 17:57	1
Dibromomethane	ND		5.00	0.220	ug/L			06/20/25 17:57	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/20/25 17:57	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/20/25 17:57	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/20/25 17:57	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/20/25 17:57	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/20/25 17:57	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/20/25 17:57	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/20/25 17:57	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 17:57	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 17:57	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 17:57	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/20/25 17:57	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/20/25 17:57	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/20/25 17:57	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/20/25 17:57	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			06/20/25 17:57	1
Hexane	ND		1.00	0.960	ug/L			06/20/25 17:57	1
2-Hexanone	ND		25.0	4.26	ug/L			06/20/25 17:57	1
Iodomethane	ND		1.00	0.900	ug/L			06/20/25 17:57	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/20/25 17:57	1
Isopropyl ether	ND	*+	1.00	0.740	ug/L			06/20/25 17:57	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/20/25 17:57	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/20/25 17:57	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/20/25 17:57	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/20/25 17:57	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/20/25 17:57	1
Naphthalene	**47.7**		5.00	3.00	ug/L			06/20/25 17:57	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/20/25 17:57	1
n-Heptane	ND		1.00	0.210	ug/L			06/20/25 17:57	1
N-Propylbenzene	ND		1.00	0.690	ug/L			06/20/25 17:57	1

Client: S&ME Inc
Project/Site: Southside Park LF

Job ID: 400-277476-1

Client Sample ID: MW-7
Date Collected: 06/09/25 14:20
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277476-7
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			06/20/25 17:57	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/20/25 17:57	1
Styrene	ND		1.00	1.00	ug/L			06/20/25 17:57	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/20/25 17:57	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/20/25 17:57	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/20/25 17:57	1
Tetrachloroethene	ND		1.00	0.330	ug/L			06/20/25 17:57	1
Toluene	ND		1.00	0.900	ug/L			06/20/25 17:57	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/20/25 17:57	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/20/25 17:57	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/20/25 17:57	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/20/25 17:57	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/20/25 17:57	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/20/25 17:57	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/20/25 17:57	1
Trichloroethene	ND		1.00	0.150	ug/L			06/20/25 17:57	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			06/20/25 17:57	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/20/25 17:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/20/25 17:57	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/20/25 17:57	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/20/25 17:57	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/20/25 17:57	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/20/25 17:57	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/20/25 17:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*56 - 136*		*06/20/25 17:57*	*1*
Dibromofluoromethane	*105*		*79 - 130*		*06/20/25 17:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*117*		*59 - 146*		*06/20/25 17:57*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*06/20/25 17:57*	*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	ND		0.277	0.277	ug/L		06/13/25 07:00	06/20/25 19:12	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*30*		*10 - 140*	*06/13/25 07:00*	*06/20/25 19:12*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**1.71**	**J**	9.62	0.404	ug/L		06/13/25 07:00	06/16/25 23:52	1
2,4,5-Trichlorophenol	ND		9.62	0.519	ug/L		06/13/25 07:00	06/16/25 23:52	1
2,4,6-Trichlorophenol	ND		9.62	1.05	ug/L		06/13/25 07:00	06/16/25 23:52	1
2,4-Dichlorophenol	ND		9.62	0.548	ug/L		06/13/25 07:00	06/16/25 23:52	1
2,4-Dimethylphenol	**0.286**	**J**	9.62	0.231	ug/L		06/13/25 07:00	06/16/25 23:52	1
2,4-Dinitrophenol	ND		28.8	4.50	ug/L		06/13/25 07:00	06/16/25 23:52	1
2,4-Dinitrotoluene	**1.48**	**J**	9.62	0.625	ug/L		06/13/25 07:00	06/16/25 23:52	1
2,6-Dinitrotoluene	ND		9.62	0.279	ug/L		06/13/25 07:00	06/16/25 23:52	1
2-Chloronaphthalene	ND		9.62	0.365	ug/L		06/13/25 07:00	06/16/25 23:52	1
2-Chlorophenol	ND		9.62	0.808	ug/L		06/13/25 07:00	06/16/25 23:52	1
2-Methylnaphthalene	**6.97**	**J**	9.62	0.779	ug/L		06/13/25 07:00	06/16/25 23:52	1

Client Sample ID: MW-7
Lab Sample ID: 400-277476-7
Date Collected: 06/09/25 14:20
Matrix: Water
Date Received: 06/12/25 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		9.62	0.731	ug/L		06/13/25 07:00	06/16/25 23:52	1
2-Nitroaniline	ND		9.62	1.32	ug/L		06/13/25 07:00	06/16/25 23:52	1
2-Nitrophenol	ND		9.62	1.13	ug/L		06/13/25 07:00	06/16/25 23:52	1
3 & 4 Methylphenol	ND		19.2	4.42	ug/L		06/13/25 07:00	06/16/25 23:52	1
3,3'-Dichlorobenzidine	ND		10.6	0.394	ug/L		06/13/25 07:00	06/16/25 23:52	1
3-Nitroaniline	ND		9.62	0.913	ug/L		06/13/25 07:00	06/16/25 23:52	1
4,6-Dinitro-2-methylphenol	ND		9.62	1.89	ug/L		06/13/25 07:00	06/16/25 23:52	1
4-Bromophenyl phenyl ether	ND		9.62	0.125	ug/L		06/13/25 07:00	06/16/25 23:52	1
4-Chloro-3-methylphenol	ND		9.62	0.702	ug/L		06/13/25 07:00	06/16/25 23:52	1
4-Chloroaniline	ND		9.62	0.269	ug/L		06/13/25 07:00	06/16/25 23:52	1
4-Chlorophenyl phenyl ether	ND		9.62	0.231	ug/L		06/13/25 07:00	06/16/25 23:52	1
4-Nitroaniline	ND		9.62	3.37	ug/L		06/13/25 07:00	06/16/25 23:52	1
4-Nitrophenol	ND		9.62	2.63	ug/L		06/13/25 07:00	06/16/25 23:52	1
Acenaphthene	**9.89**		9.62	0.606	ug/L		06/13/25 07:00	06/16/25 23:52	1
Acenaphthylene	ND		9.62	0.731	ug/L		06/13/25 07:00	06/16/25 23:52	1
Acetophenone	ND		9.62	3.08	ug/L		06/13/25 07:00	06/16/25 23:52	1
Anthracene	**2.37**	**J**	9.62	0.875	ug/L		06/13/25 07:00	06/16/25 23:52	1
Atrazine	ND		9.62	1.09	ug/L		06/13/25 07:00	06/16/25 23:52	1
Benzaldehyde	ND		9.62	0.644	ug/L		06/13/25 07:00	06/16/25 23:52	1
Benzo[a]anthracene	ND		9.62	0.962	ug/L		06/13/25 07:00	06/16/25 23:52	1
Benzo[a]pyrene	ND		9.62	1.06	ug/L		06/13/25 07:00	06/16/25 23:52	1
Benzo[b]fluoranthene	ND		9.62	1.15	ug/L		06/13/25 07:00	06/16/25 23:52	1
Benzo[g,h,i]perylene	ND		9.62	1.44	ug/L		06/13/25 07:00	06/16/25 23:52	1
Benzo[k]fluoranthene	ND		9.62	1.44	ug/L		06/13/25 07:00	06/16/25 23:52	1
bis (2-chloroisopropyl) ether	ND		9.62	0.894	ug/L		06/13/25 07:00	06/16/25 23:52	1
Bis(2-chloroethoxy)methane	ND		9.62	0.327	ug/L		06/13/25 07:00	06/16/25 23:52	1
Bis(2-chloroethyl)ether	ND		9.62	0.702	ug/L		06/13/25 07:00	06/16/25 23:52	1
Bis(2-ethylhexyl) phthalate	ND		9.62	3.85	ug/L		06/13/25 07:00	06/16/25 23:52	1
Butyl benzyl phthalate	ND		9.62	3.85	ug/L		06/13/25 07:00	06/16/25 23:52	1
Caprolactam	ND		9.62	2.31	ug/L		06/13/25 07:00	06/16/25 23:52	1
Carbazole	**19.0**		9.62	0.308	ug/L		06/13/25 07:00	06/16/25 23:52	1
Chrysene	ND		9.62	1.15	ug/L		06/13/25 07:00	06/16/25 23:52	1
Dibenz(a,h)anthracene	ND		9.62	1.25	ug/L		06/13/25 07:00	06/16/25 23:52	1
Dibenzofuran	**6.68**	**J**	9.62	0.615	ug/L		06/13/25 07:00	06/16/25 23:52	1
Diethyl phthalate	ND		9.62	3.85	ug/L		06/13/25 07:00	06/16/25 23:52	1
Dimethyl phthalate	ND		9.62	3.85	ug/L		06/13/25 07:00	06/16/25 23:52	1
Di-n-butyl phthalate	ND		9.62	3.85	ug/L		06/13/25 07:00	06/16/25 23:52	1
Di-n-octyl phthalate	ND		9.62	3.85	ug/L		06/13/25 07:00	06/16/25 23:52	1
Fluoranthene	**0.843**	**J**	9.62	0.606	ug/L		06/13/25 07:00	06/16/25 23:52	1
Fluorene	**8.56**	**J**	9.62	0.644	ug/L		06/13/25 07:00	06/16/25 23:52	1
Hexachlorobenzene	ND		9.62	0.240	ug/L		06/13/25 07:00	06/16/25 23:52	1
Hexachlorobutadiene	ND	*1	9.62	0.529	ug/L		06/13/25 07:00	06/16/25 23:52	1
Hexachlorocyclopentadiene	ND	*1	19.2	0.308	ug/L		06/13/25 07:00	06/16/25 23:52	1
Hexachloroethane	ND		9.62	0.510	ug/L		06/13/25 07:00	06/16/25 23:52	1
Indeno[1,2,3-cd]pyrene	ND		9.62	1.06	ug/L		06/13/25 07:00	06/16/25 23:52	1
Isophorone	ND		9.62	0.769	ug/L		06/13/25 07:00	06/16/25 23:52	1
Naphthalene	**28.5**		9.62	0.721	ug/L		06/13/25 07:00	06/16/25 23:52	1
Nitrobenzene	ND		9.62	0.577	ug/L		06/13/25 07:00	06/16/25 23:52	1
N-Nitrosodi-n-propylamine	ND		9.62	0.317	ug/L		06/13/25 07:00	06/16/25 23:52	1

Client Sample ID: MW-7
Date Collected: 06/09/25 14:20
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277476-7
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		9.62	0.183	ug/L		06/13/25 07:00	06/16/25 23:52	1
Pentachlorophenol	ND		9.62	2.69	ug/L		06/13/25 07:00	06/16/25 23:52	1
Phenanthrene	**9.27**	**J**	9.62	0.712	ug/L		06/13/25 07:00	06/16/25 23:52	1
Phenol	ND		9.62	0.654	ug/L		06/13/25 07:00	06/16/25 23:52	1
Pyrene	ND		9.62	0.606	ug/L		06/13/25 07:00	06/16/25 23:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*65*		*10 - 150*	*06/13/25 07:00*	*06/16/25 23:52*	*1*
2-Fluorobiphenyl (Surr)	*65*		*25 - 139*	*06/13/25 07:00*	*06/16/25 23:52*	*1*
2-Fluorophenol (Surr)	*81*		*10 - 150*	*06/13/25 07:00*	*06/16/25 23:52*	*1*
Nitrobenzene-d5 (Surr)	*70*		*22 - 150*	*06/13/25 07:00*	*06/16/25 23:52*	*1*
Phenol-d5 (Surr)	*89*		*10 - 150*	*06/13/25 07:00*	*06/16/25 23:52*	*1*
Terphenyl-d14 (Surr)	*45*		*28 - 150*	*06/13/25 07:00*	*06/16/25 23:52*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**136**		10.0	3.90	mg/L			06/13/25 21:31	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.665**	**J**	5.00	0.340	ug/L		06/16/25 05:29	06/17/25 12:01	1
Arsenic	ND		3.00	0.860	ug/L		06/16/25 05:29	06/17/25 12:01	1
Barium	**105**		5.00	0.890	ug/L		06/16/25 05:29	06/17/25 12:01	1
Beryllium	ND		0.500	0.200	ug/L		06/16/25 05:29	06/17/25 12:01	1
Cadmium	**0.165**	**J**	0.500	0.0780	ug/L		06/16/25 05:29	06/17/25 12:01	1
Chromium	**10.7**		5.00	1.20	ug/L		06/16/25 05:29	06/17/25 12:01	1
Cobalt	**4.89**		0.500	0.220	ug/L		06/16/25 05:29	06/17/25 12:01	1
Copper	**26.1**		5.00	1.08	ug/L		06/16/25 05:29	06/17/25 12:01	1
Lead	**28.0**		2.50	0.210	ug/L		06/16/25 05:29	06/17/25 12:01	1
Manganese	**739**		5.00	2.20	ug/L		06/16/25 05:29	06/17/25 12:01	1
Nickel	**9.68**		5.00	0.420	ug/L		06/16/25 05:29	06/17/25 12:01	1
Selenium	**14.7**		2.50	0.990	ug/L		06/16/25 05:29	06/17/25 12:01	1
Silver	ND		1.00	0.390	ug/L		06/16/25 05:29	06/17/25 12:01	1
Thallium	ND		1.00	0.260	ug/L		06/16/25 05:29	06/17/25 12:01	1
Vanadium	**17.8**		10.0	0.630	ug/L		06/16/25 05:29	06/17/25 12:01	1
Zinc	**50.6**		20.0	2.80	ug/L		06/16/25 05:29	06/17/25 12:01	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0800	ug/L		06/20/25 13:23	06/20/25 18:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	**0.259**		0.0500	0.0460	mg/L			06/17/25 13:12	1
Nitrate as N (SM Nitrate by calc)	**16.9**	**H H3**	0.0500	0.0180	mg/L			06/13/25 10:08	1
Nitrite as N (SM 4500 NO2 B)	**0.0624**	**J H H3**	0.100	0.0180	mg/L			06/13/25 10:08	1
Nitrate Nitrite as N (SM 4500 NO3 F)	**17.0**		1.00	0.360	mg/L			06/16/25 16:11	20

Client: S&ME Inc
Job ID: 400-277476-1
Project/Site: Southside Park LF

Client Sample ID: MW-8
Lab Sample ID: 400-277476-8
Date Collected: 06/10/25 12:40
Matrix: Water
Date Received: 06/12/25 09:40

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			06/20/25 18:18	1
Benzene	ND		1.00	0.500	ug/L			06/20/25 18:18	1
Bromobenzene	ND		1.00	0.540	ug/L			06/20/25 18:18	1
Bromoform	ND		5.00	0.250	ug/L			06/20/25 18:18	1
Bromomethane	ND		1.00	0.980	ug/L			06/20/25 18:18	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/20/25 18:18	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/20/25 18:18	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/20/25 18:18	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/20/25 18:18	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/20/25 18:18	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/20/25 18:18	1
Chloroethane	ND		1.00	0.760	ug/L			06/20/25 18:18	1
Chloroform	ND		1.00	0.900	ug/L			06/20/25 18:18	1
Chloromethane	ND		1.00	0.400	ug/L			06/20/25 18:18	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/20/25 18:18	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/20/25 18:18	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/20/25 18:18	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/20/25 18:18	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/20/25 18:18	1
Dibromomethane	ND		5.00	0.220	ug/L			06/20/25 18:18	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/20/25 18:18	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/20/25 18:18	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/20/25 18:18	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/20/25 18:18	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/20/25 18:18	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/20/25 18:18	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/20/25 18:18	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 18:18	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 18:18	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 18:18	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/20/25 18:18	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/20/25 18:18	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/20/25 18:18	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/20/25 18:18	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			06/20/25 18:18	1
Hexane	ND		1.00	0.960	ug/L			06/20/25 18:18	1
2-Hexanone	ND		25.0	4.26	ug/L			06/20/25 18:18	1
Iodomethane	ND		1.00	0.900	ug/L			06/20/25 18:18	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/20/25 18:18	1
Isopropyl ether	ND	*+	1.00	0.740	ug/L			06/20/25 18:18	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/20/25 18:18	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/20/25 18:18	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/20/25 18:18	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/20/25 18:18	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/20/25 18:18	1
Naphthalene	ND		5.00	3.00	ug/L			06/20/25 18:18	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/20/25 18:18	1
n-Heptane	ND		1.00	0.210	ug/L			06/20/25 18:18	1
N-Propylbenzene	ND		1.00	0.690	ug/L			06/20/25 18:18	1

Client Sample ID: MW-8
Date Collected: 06/10/25 12:40
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277476-8
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		5.00	3.00	ug/L			06/20/25 18:18	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/20/25 18:18	1
Styrene	ND		1.00	1.00	ug/L			06/20/25 18:18	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/20/25 18:18	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/20/25 18:18	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/20/25 18:18	1
Tetrachloroethene	ND		1.00	0.330	ug/L			06/20/25 18:18	1
Toluene	ND		1.00	0.900	ug/L			06/20/25 18:18	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/20/25 18:18	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/20/25 18:18	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/20/25 18:18	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/20/25 18:18	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/20/25 18:18	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/20/25 18:18	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/20/25 18:18	1
Trichloroethene	ND		1.00	0.150	ug/L			06/20/25 18:18	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			06/20/25 18:18	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/20/25 18:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/20/25 18:18	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/20/25 18:18	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/20/25 18:18	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/20/25 18:18	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/20/25 18:18	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/20/25 18:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*56 - 136*		*06/20/25 18:18*	*1*
Dibromofluoromethane	*105*		*79 - 130*		*06/20/25 18:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*59 - 146*		*06/20/25 18:18*	*1*
Toluene-d8 (Surr)	*97*		*64 - 132*		*06/20/25 18:18*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.275	0.275	ug/L		06/13/25 07:00	06/20/25 19:34	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*29*		*10 - 140*	*06/13/25 07:00*	*06/20/25 19:34*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.74	0.409	ug/L		06/13/25 07:00	06/17/25 00:28	1
2,4,5-Trichlorophenol	ND		9.74	0.526	ug/L		06/13/25 07:00	06/17/25 00:28	1
2,4,6-Trichlorophenol	ND		9.74	1.06	ug/L		06/13/25 07:00	06/17/25 00:28	1
2,4-Dichlorophenol	ND		9.74	0.555	ug/L		06/13/25 07:00	06/17/25 00:28	1
2,4-Dimethylphenol	ND		9.74	0.234	ug/L		06/13/25 07:00	06/17/25 00:28	1
2,4-Dinitrophenol	ND		29.2	4.56	ug/L		06/13/25 07:00	06/17/25 00:28	1
2,4-Dinitrotoluene	ND		9.74	0.633	ug/L		06/13/25 07:00	06/17/25 00:28	1
2,6-Dinitrotoluene	ND		9.74	0.282	ug/L		06/13/25 07:00	06/17/25 00:28	1
2-Chloronaphthalene	ND		9.74	0.370	ug/L		06/13/25 07:00	06/17/25 00:28	1
2-Chlorophenol	ND		9.74	0.818	ug/L		06/13/25 07:00	06/17/25 00:28	1
2-Methylnaphthalene	ND		9.74	0.789	ug/L		06/13/25 07:00	06/17/25 00:28	1

Client: S&ME Inc
Job ID: 400-277476-1
Project/Site: Southside Park LF

Client Sample ID: MW-8
Lab Sample ID: 400-277476-8
Date Collected: 06/10/25 12:40
Matrix: Water
Date Received: 06/12/25 09:40

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		06/13/25 07:00	06/17/25 00:28	1
2-Nitroaniline	ND		9.74	1.33	ug/L		06/13/25 07:00	06/17/25 00:28	1
2-Nitrophenol	ND		9.74	1.14	ug/L		06/13/25 07:00	06/17/25 00:28	1
3 & 4 Methylphenol	ND		19.5	4.48	ug/L		06/13/25 07:00	06/17/25 00:28	1
3,3'-Dichlorobenzidine	ND		10.7	0.399	ug/L		06/13/25 07:00	06/17/25 00:28	1
3-Nitroaniline	ND		9.74	0.925	ug/L		06/13/25 07:00	06/17/25 00:28	1
4,6-Dinitro-2-methylphenol	ND		9.74	1.92	ug/L		06/13/25 07:00	06/17/25 00:28	1
4-Bromophenyl phenyl ether	ND		9.74	0.127	ug/L		06/13/25 07:00	06/17/25 00:28	1
4-Chloro-3-methylphenol	ND		9.74	0.711	ug/L		06/13/25 07:00	06/17/25 00:28	1
4-Chloroaniline	ND		9.74	0.273	ug/L		06/13/25 07:00	06/17/25 00:28	1
4-Chlorophenyl phenyl ether	ND		9.74	0.234	ug/L		06/13/25 07:00	06/17/25 00:28	1
4-Nitroaniline	ND		9.74	3.41	ug/L		06/13/25 07:00	06/17/25 00:28	1
4-Nitrophenol	ND		9.74	2.67	ug/L		06/13/25 07:00	06/17/25 00:28	1
Acenaphthene	ND		9.74	0.614	ug/L		06/13/25 07:00	06/17/25 00:28	1
Acenaphthylene	ND		9.74	0.740	ug/L		06/13/25 07:00	06/17/25 00:28	1
Acetophenone	ND		9.74	3.12	ug/L		06/13/25 07:00	06/17/25 00:28	1
Anthracene	ND		9.74	0.886	ug/L		06/13/25 07:00	06/17/25 00:28	1
Atrazine	ND		9.74	1.10	ug/L		06/13/25 07:00	06/17/25 00:28	1
Benzaldehyde	ND		9.74	0.653	ug/L		06/13/25 07:00	06/17/25 00:28	1
Benzo[a]anthracene	ND		9.74	0.974	ug/L		06/13/25 07:00	06/17/25 00:28	1
Benzo[a]pyrene	ND		9.74	1.07	ug/L		06/13/25 07:00	06/17/25 00:28	1
Benzo[b]fluoranthene	ND		9.74	1.17	ug/L		06/13/25 07:00	06/17/25 00:28	1
Benzo[g,h,i]perylene	ND		9.74	1.46	ug/L		06/13/25 07:00	06/17/25 00:28	1
Benzo[k]fluoranthene	ND		9.74	1.46	ug/L		06/13/25 07:00	06/17/25 00:28	1
bis (2-chloroisopropyl) ether	ND		9.74	0.906	ug/L		06/13/25 07:00	06/17/25 00:28	1
Bis(2-chloroethoxy)methane	ND		9.74	0.331	ug/L		06/13/25 07:00	06/17/25 00:28	1
Bis(2-chloroethyl)ether	ND		9.74	0.711	ug/L		06/13/25 07:00	06/17/25 00:28	1
Bis(2-ethylhexyl) phthalate	ND		9.74	3.90	ug/L		06/13/25 07:00	06/17/25 00:28	1
Butyl benzyl phthalate	ND		9.74	3.90	ug/L		06/13/25 07:00	06/17/25 00:28	1
Caprolactam	ND		9.74	2.34	ug/L		06/13/25 07:00	06/17/25 00:28	1
Carbazole	ND		9.74	0.312	ug/L		06/13/25 07:00	06/17/25 00:28	1
Chrysene	ND		9.74	1.17	ug/L		06/13/25 07:00	06/17/25 00:28	1
Dibenz(a,h)anthracene	ND		9.74	1.27	ug/L		06/13/25 07:00	06/17/25 00:28	1
Dibenzofuran	ND		9.74	0.623	ug/L		06/13/25 07:00	06/17/25 00:28	1
Diethyl phthalate	ND		9.74	3.90	ug/L		06/13/25 07:00	06/17/25 00:28	1
Dimethyl phthalate	ND		9.74	3.90	ug/L		06/13/25 07:00	06/17/25 00:28	1
Di-n-butyl phthalate	ND		9.74	3.90	ug/L		06/13/25 07:00	06/17/25 00:28	1
Di-n-octyl phthalate	ND		9.74	3.90	ug/L		06/13/25 07:00	06/17/25 00:28	1
Fluoranthene	ND		9.74	0.614	ug/L		06/13/25 07:00	06/17/25 00:28	1
Fluorene	ND		9.74	0.653	ug/L		06/13/25 07:00	06/17/25 00:28	1
Hexachlorobenzene	ND		9.74	0.244	ug/L		06/13/25 07:00	06/17/25 00:28	1
Hexachlorobutadiene	ND	*1	9.74	0.536	ug/L		06/13/25 07:00	06/17/25 00:28	1
Hexachlorocyclopentadiene	ND	*1	19.5	0.312	ug/L		06/13/25 07:00	06/17/25 00:28	1
Hexachloroethane	ND		9.74	0.516	ug/L		06/13/25 07:00	06/17/25 00:28	1
Indeno[1,2,3-cd]pyrene	ND		9.74	1.07	ug/L		06/13/25 07:00	06/17/25 00:28	1
Isophorone	ND		9.74	0.779	ug/L		06/13/25 07:00	06/17/25 00:28	1
Naphthalene	ND		9.74	0.731	ug/L		06/13/25 07:00	06/17/25 00:28	1
Nitrobenzene	ND		9.74	0.584	ug/L		06/13/25 07:00	06/17/25 00:28	1
N-Nitrosodi-n-propylamine	ND		9.74	0.321	ug/L		06/13/25 07:00	06/17/25 00:28	1

Client Sample ID: MW-8
Date Collected: 06/10/25 12:40
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277476-8
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		9.74	0.185	ug/L		06/13/25 07:00	06/17/25 00:28	1
Pentachlorophenol	ND		9.74	2.73	ug/L		06/13/25 07:00	06/17/25 00:28	1
Phenanthrene	ND		9.74	0.721	ug/L		06/13/25 07:00	06/17/25 00:28	1
Phenol	ND		9.74	0.662	ug/L		06/13/25 07:00	06/17/25 00:28	1
Pyrene	ND		9.74	0.614	ug/L		06/13/25 07:00	06/17/25 00:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*71*		*10 - 150*	*06/13/25 07:00*	*06/17/25 00:28*	*1*
2-Fluorobiphenyl (Surr)	*74*		*25 - 139*	*06/13/25 07:00*	*06/17/25 00:28*	*1*
2-Fluorophenol (Surr)	*88*		*10 - 150*	*06/13/25 07:00*	*06/17/25 00:28*	*1*
Nitrobenzene-d5 (Surr)	*77*		*22 - 150*	*06/13/25 07:00*	*06/17/25 00:28*	*1*
Phenol-d5 (Surr)	*100*		*10 - 150*	*06/13/25 07:00*	*06/17/25 00:28*	*1*
Terphenyl-d14 (Surr)	*43*		*28 - 150*	*06/13/25 07:00*	*06/17/25 00:28*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**28.1**		1.00	0.390	mg/L			06/12/25 21:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	0.340	ug/L		06/16/25 05:29	06/17/25 12:09	1
Arsenic	ND		3.00	0.860	ug/L		06/16/25 05:29	06/17/25 12:09	1
Barium	**90.9**		5.00	0.890	ug/L		06/16/25 05:29	06/17/25 12:09	1
Beryllium	ND		0.500	0.200	ug/L		06/16/25 05:29	06/17/25 12:09	1
Cadmium	ND		0.500	0.0780	ug/L		06/16/25 05:29	06/17/25 12:09	1
Chromium	ND		5.00	1.20	ug/L		06/16/25 05:29	06/17/25 12:09	1
Cobalt	**2.84**		0.500	0.220	ug/L		06/16/25 05:29	06/17/25 12:09	1
Copper	**6.82**		5.00	1.08	ug/L		06/16/25 05:29	06/17/25 12:09	1
Lead	**0.515**	**J**	2.50	0.210	ug/L		06/16/25 05:29	06/17/25 12:09	1
Manganese	**458**		5.00	2.20	ug/L		06/16/25 05:29	06/17/25 12:09	1
Nickel	**15.7**		5.00	0.420	ug/L		06/16/25 05:29	06/17/25 12:09	1
Selenium	ND		2.50	0.990	ug/L		06/16/25 05:29	06/17/25 12:09	1
Silver	ND		1.00	0.390	ug/L		06/16/25 05:29	06/17/25 12:09	1
Thallium	ND		1.00	0.260	ug/L		06/16/25 05:29	06/17/25 12:09	1
Vanadium	**7.57**	**J**	10.0	0.630	ug/L		06/16/25 05:29	06/17/25 12:09	1
Zinc	**16.7**	**J**	20.0	2.80	ug/L		06/16/25 05:29	06/17/25 12:09	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		06/20/25 13:23	06/20/25 18:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		0.0500	0.0460	mg/L			06/17/25 13:25	1
Nitrate as N (SM Nitrate by calc)	**2.72**	**H**	0.0500	0.0180	mg/L			06/13/25 10:08	1
Nitrite as N (SM 4500 NO2 B)	**0.0635**	**J H**	0.100	0.0180	mg/L			06/13/25 10:08	1
Nitrate Nitrite as N (SM 4500 NO3 F)	**2.78**		0.250	0.0900	mg/L			06/16/25 16:13	5

Client: S&ME Inc
Job ID: 400-277476-1
Project/Site: Southside Park LF

Client Sample ID: MW-9
Lab Sample ID: 400-277476-9
Date Collected: 06/10/25 15:15
Matrix: Water
Date Received: 06/12/25 09:40

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			06/20/25 18:38	1
Benzene	ND		1.00	0.500	ug/L			06/20/25 18:38	1
Bromobenzene	ND		1.00	0.540	ug/L			06/20/25 18:38	1
Bromoform	ND		5.00	0.250	ug/L			06/20/25 18:38	1
Bromomethane	ND		1.00	0.980	ug/L			06/20/25 18:38	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/20/25 18:38	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/20/25 18:38	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/20/25 18:38	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/20/25 18:38	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/20/25 18:38	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/20/25 18:38	1
Chloroethane	ND		1.00	0.760	ug/L			06/20/25 18:38	1
Chloroform	ND		1.00	0.900	ug/L			06/20/25 18:38	1
Chloromethane	ND		1.00	0.400	ug/L			06/20/25 18:38	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/20/25 18:38	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/20/25 18:38	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/20/25 18:38	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/20/25 18:38	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/20/25 18:38	1
Dibromomethane	ND		5.00	0.220	ug/L			06/20/25 18:38	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/20/25 18:38	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/20/25 18:38	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/20/25 18:38	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/20/25 18:38	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/20/25 18:38	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/20/25 18:38	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/20/25 18:38	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 18:38	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 18:38	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 18:38	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/20/25 18:38	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/20/25 18:38	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/20/25 18:38	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/20/25 18:38	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			06/20/25 18:38	1
Hexane	ND		1.00	0.960	ug/L			06/20/25 18:38	1
2-Hexanone	ND		25.0	4.26	ug/L			06/20/25 18:38	1
Iodomethane	ND		1.00	0.900	ug/L			06/20/25 18:38	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/20/25 18:38	1
Isopropyl ether	ND	*+	1.00	0.740	ug/L			06/20/25 18:38	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/20/25 18:38	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/20/25 18:38	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/20/25 18:38	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/20/25 18:38	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/20/25 18:38	1
Naphthalene	ND		5.00	3.00	ug/L			06/20/25 18:38	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/20/25 18:38	1
n-Heptane	ND		1.00	0.210	ug/L			06/20/25 18:38	1
N-Propylbenzene	ND		1.00	0.690	ug/L			06/20/25 18:38	1

Client Sample ID: MW-9
Date Collected: 06/10/25 15:15
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277476-9
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			06/20/25 18:38	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/20/25 18:38	1
Styrene	ND		1.00	1.00	ug/L			06/20/25 18:38	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/20/25 18:38	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/20/25 18:38	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/20/25 18:38	1
Tetrachloroethene	ND		1.00	0.330	ug/L			06/20/25 18:38	1
Toluene	ND		1.00	0.900	ug/L			06/20/25 18:38	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/20/25 18:38	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/20/25 18:38	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/20/25 18:38	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/20/25 18:38	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/20/25 18:38	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/20/25 18:38	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/20/25 18:38	1
Trichloroethene	ND		1.00	0.150	ug/L			06/20/25 18:38	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			06/20/25 18:38	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/20/25 18:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/20/25 18:38	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/20/25 18:38	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/20/25 18:38	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/20/25 18:38	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/20/25 18:38	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/20/25 18:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*56 - 136*		*06/20/25 18:38*	*1*
Dibromofluoromethane	*103*		*79 - 130*		*06/20/25 18:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*59 - 146*		*06/20/25 18:38*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*06/20/25 18:38*	*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		0.286	0.286	ug/L		06/13/25 07:00	06/20/25 19:56	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*30*		*10 - 140*	*06/13/25 07:00*	*06/20/25 19:56*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.90	0.416	ug/L		06/13/25 07:00	06/17/25 01:03	1
2,4,5-Trichlorophenol	ND		9.90	0.535	ug/L		06/13/25 07:00	06/17/25 01:03	1
2,4,6-Trichlorophenol	ND		9.90	1.08	ug/L		06/13/25 07:00	06/17/25 01:03	1
2,4-Dichlorophenol	ND		9.90	0.564	ug/L		06/13/25 07:00	06/17/25 01:03	1
2,4-Dimethylphenol	ND		9.90	0.238	ug/L		06/13/25 07:00	06/17/25 01:03	1
2,4-Dinitrophenol	ND		29.7	4.63	ug/L		06/13/25 07:00	06/17/25 01:03	1
2,4-Dinitrotoluene	ND		9.90	0.644	ug/L		06/13/25 07:00	06/17/25 01:03	1
2,6-Dinitrotoluene	ND		9.90	0.287	ug/L		06/13/25 07:00	06/17/25 01:03	1
2-Chloronaphthalene	ND		9.90	0.376	ug/L		06/13/25 07:00	06/17/25 01:03	1
2-Chlorophenol	ND		9.90	0.832	ug/L		06/13/25 07:00	06/17/25 01:03	1
2-Methylnaphthalene	ND		9.90	0.802	ug/L		06/13/25 07:00	06/17/25 01:03	1

Client: S&ME Inc
Job ID: 400-277476-1
Project/Site: Southside Park LF

Client Sample ID: MW-9
Lab Sample ID: 400-277476-9
Date Collected: 06/10/25 15:15
Matrix: Water
Date Received: 06/12/25 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		9.90	0.752	ug/L		06/13/25 07:00	06/17/25 01:03	1
2-Nitroaniline	ND		9.90	1.36	ug/L		06/13/25 07:00	06/17/25 01:03	1
2-Nitrophenol	ND		9.90	1.16	ug/L		06/13/25 07:00	06/17/25 01:03	1
3 & 4 Methylphenol	ND		19.8	4.55	ug/L		06/13/25 07:00	06/17/25 01:03	1
3,3'-Dichlorobenzidine	ND		10.9	0.406	ug/L		06/13/25 07:00	06/17/25 01:03	1
3-Nitroaniline	ND		9.90	0.941	ug/L		06/13/25 07:00	06/17/25 01:03	1
4,6-Dinitro-2-methylphenol	ND		9.90	1.95	ug/L		06/13/25 07:00	06/17/25 01:03	1
4-Bromophenyl phenyl ether	ND		9.90	0.129	ug/L		06/13/25 07:00	06/17/25 01:03	1
4-Chloro-3-methylphenol	ND		9.90	0.723	ug/L		06/13/25 07:00	06/17/25 01:03	1
4-Chloroaniline	ND		9.90	0.277	ug/L		06/13/25 07:00	06/17/25 01:03	1
4-Chlorophenyl phenyl ether	ND		9.90	0.238	ug/L		06/13/25 07:00	06/17/25 01:03	1
4-Nitroaniline	ND		9.90	3.47	ug/L		06/13/25 07:00	06/17/25 01:03	1
4-Nitrophenol	ND		9.90	2.71	ug/L		06/13/25 07:00	06/17/25 01:03	1
Acenaphthene	ND		9.90	0.624	ug/L		06/13/25 07:00	06/17/25 01:03	1
Acenaphthylene	ND		9.90	0.752	ug/L		06/13/25 07:00	06/17/25 01:03	1
Acetophenone	ND		9.90	3.17	ug/L		06/13/25 07:00	06/17/25 01:03	1
Anthracene	ND		9.90	0.901	ug/L		06/13/25 07:00	06/17/25 01:03	1
Atrazine	ND		9.90	1.12	ug/L		06/13/25 07:00	06/17/25 01:03	1
Benzaldehyde	ND		9.90	0.663	ug/L		06/13/25 07:00	06/17/25 01:03	1
Benzo[a]anthracene	ND		9.90	0.990	ug/L		06/13/25 07:00	06/17/25 01:03	1
Benzo[a]pyrene	ND		9.90	1.09	ug/L		06/13/25 07:00	06/17/25 01:03	1
Benzo[b]fluoranthene	ND		9.90	1.19	ug/L		06/13/25 07:00	06/17/25 01:03	1
Benzo[g,h,i]perylene	ND		9.90	1.49	ug/L		06/13/25 07:00	06/17/25 01:03	1
Benzo[k]fluoranthene	ND		9.90	1.49	ug/L		06/13/25 07:00	06/17/25 01:03	1
bis (2-chloroisopropyl) ether	ND		9.90	0.921	ug/L		06/13/25 07:00	06/17/25 01:03	1
Bis(2-chloroethoxy)methane	ND		9.90	0.337	ug/L		06/13/25 07:00	06/17/25 01:03	1
Bis(2-chloroethyl)ether	ND		9.90	0.723	ug/L		06/13/25 07:00	06/17/25 01:03	1
Bis(2-ethylhexyl) phthalate	ND		9.90	3.96	ug/L		06/13/25 07:00	06/17/25 01:03	1
Butyl benzyl phthalate	ND		9.90	3.96	ug/L		06/13/25 07:00	06/17/25 01:03	1
Caprolactam	ND		9.90	2.38	ug/L		06/13/25 07:00	06/17/25 01:03	1
Carbazole	ND		9.90	0.317	ug/L		06/13/25 07:00	06/17/25 01:03	1
Chrysene	ND		9.90	1.19	ug/L		06/13/25 07:00	06/17/25 01:03	1
Dibenz(a,h)anthracene	ND		9.90	1.29	ug/L		06/13/25 07:00	06/17/25 01:03	1
Dibenzofuran	ND		9.90	0.634	ug/L		06/13/25 07:00	06/17/25 01:03	1
Diethyl phthalate	ND		9.90	3.96	ug/L		06/13/25 07:00	06/17/25 01:03	1
Dimethyl phthalate	ND		9.90	3.96	ug/L		06/13/25 07:00	06/17/25 01:03	1
Di-n-butyl phthalate	ND		9.90	3.96	ug/L		06/13/25 07:00	06/17/25 01:03	1
Di-n-octyl phthalate	ND		9.90	3.96	ug/L		06/13/25 07:00	06/17/25 01:03	1
Fluoranthene	ND		9.90	0.624	ug/L		06/13/25 07:00	06/17/25 01:03	1
Fluorene	ND		9.90	0.663	ug/L		06/13/25 07:00	06/17/25 01:03	1
Hexachlorobenzene	ND		9.90	0.248	ug/L		06/13/25 07:00	06/17/25 01:03	1
Hexachlorobutadiene	ND	*1	9.90	0.545	ug/L		06/13/25 07:00	06/17/25 01:03	1
Hexachlorocyclopentadiene	ND	*1	19.8	0.317	ug/L		06/13/25 07:00	06/17/25 01:03	1
Hexachloroethane	ND		9.90	0.525	ug/L		06/13/25 07:00	06/17/25 01:03	1
Indeno[1,2,3-cd]pyrene	ND		9.90	1.09	ug/L		06/13/25 07:00	06/17/25 01:03	1
Isophorone	ND		9.90	0.792	ug/L		06/13/25 07:00	06/17/25 01:03	1
Naphthalene	ND		9.90	0.743	ug/L		06/13/25 07:00	06/17/25 01:03	1
Nitrobenzene	ND		9.90	0.594	ug/L		06/13/25 07:00	06/17/25 01:03	1
N-Nitrosodi-n-propylamine	ND		9.90	0.327	ug/L		06/13/25 07:00	06/17/25 01:03	1

Client Sample ID: MW-9
Lab Sample ID: 400-277476-9
Date Collected: 06/10/25 15:15
Matrix: Water
Date Received: 06/12/25 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		9.90	0.188	ug/L		06/13/25 07:00	06/17/25 01:03	1
Pentachlorophenol	ND		9.90	2.77	ug/L		06/13/25 07:00	06/17/25 01:03	1
Phenanthrene	ND		9.90	0.733	ug/L		06/13/25 07:00	06/17/25 01:03	1
Phenol	ND		9.90	0.673	ug/L		06/13/25 07:00	06/17/25 01:03	1
Pyrene	ND		9.90	0.624	ug/L		06/13/25 07:00	06/17/25 01:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*62*		*10 - 150*	*06/13/25 07:00*	*06/17/25 01:03*	*1*
2-Fluorobiphenyl (Surr)	*65*		*25 - 139*	*06/13/25 07:00*	*06/17/25 01:03*	*1*
2-Fluorophenol (Surr)	*68*		*10 - 150*	*06/13/25 07:00*	*06/17/25 01:03*	*1*
Nitrobenzene-d5 (Surr)	*70*		*22 - 150*	*06/13/25 07:00*	*06/17/25 01:03*	*1*
Phenol-d5 (Surr)	*70*		*10 - 150*	*06/13/25 07:00*	*06/17/25 01:03*	*1*
Terphenyl-d14 (Surr)	*47*		*28 - 150*	*06/13/25 07:00*	*06/17/25 01:03*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**110**		10.0	3.90	mg/L			06/13/25 21:40	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	0.340	ug/L		06/16/25 05:29	06/17/25 12:40	1
Arsenic	ND		3.00	0.860	ug/L		06/16/25 05:29	06/17/25 12:40	1
Barium	**440**		5.00	0.890	ug/L		06/16/25 05:29	06/17/25 12:40	1
Beryllium	**1.46**		0.500	0.200	ug/L		06/16/25 05:29	06/17/25 12:40	1
Cadmium	**0.570**		0.500	0.0780	ug/L		06/16/25 05:29	06/17/25 12:40	1
Chromium	**103**		5.00	1.20	ug/L		06/16/25 05:29	06/17/25 12:40	1
Cobalt	**114**		0.500	0.220	ug/L		06/16/25 05:29	06/17/25 12:40	1
Copper	**267**		5.00	1.08	ug/L		06/16/25 05:29	06/17/25 12:40	1
Lead	**85.1**		2.50	0.210	ug/L		06/16/25 05:29	06/17/25 12:40	1
Manganese	**7710**		5.00	2.20	ug/L		06/16/25 05:29	06/17/25 12:40	1
Nickel	**106**		5.00	0.420	ug/L		06/16/25 05:29	06/17/25 12:40	1
Selenium	**1.55**	**J**	2.50	0.990	ug/L		06/16/25 05:29	06/17/25 12:40	1
Silver	ND		1.00	0.390	ug/L		06/16/25 05:29	06/17/25 12:40	1
Thallium	ND		1.00	0.260	ug/L		06/16/25 05:29	06/17/25 12:40	1
Vanadium	**102**		10.0	0.630	ug/L		06/16/25 05:29	06/17/25 12:40	1
Zinc	**469**		20.0	2.80	ug/L		06/16/25 05:29	06/17/25 12:40	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.196**	**J**	0.200	0.0800	ug/L		06/20/25 13:23	06/20/25 18:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	**0.225**		0.0500	0.0460	mg/L			06/17/25 13:28	1
Nitrate as N (SM Nitrate by calc)	ND	H	0.0500	0.0180	mg/L			06/13/25 10:36	1
Nitrite as N (SM 4500 NO2 B)	**0.237**	**H**	0.200	0.0360	mg/L			06/13/25 10:36	2
Nitrate Nitrite as N (SM 4500 NO3 F)	**0.238**	**B**	0.0500	0.0180	mg/L			06/18/25 14:42	1

Client: S&ME Inc
Job ID: 400-277476-1
Project/Site: Southside Park LF

Client Sample ID: MW-10
Lab Sample ID: 400-277476-10
Date Collected: 06/10/25 10:30
Matrix: Water
Date Received: 06/12/25 09:40

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			06/20/25 18:59	1
Benzene	ND		1.00	0.500	ug/L			06/20/25 18:59	1
Bromobenzene	ND		1.00	0.540	ug/L			06/20/25 18:59	1
Bromoform	ND		5.00	0.250	ug/L			06/20/25 18:59	1
Bromomethane	ND		1.00	0.980	ug/L			06/20/25 18:59	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/20/25 18:59	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/20/25 18:59	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/20/25 18:59	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/20/25 18:59	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/20/25 18:59	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/20/25 18:59	1
Chloroethane	ND		1.00	0.760	ug/L			06/20/25 18:59	1
Chloroform	ND		1.00	0.900	ug/L			06/20/25 18:59	1
Chloromethane	ND		1.00	0.400	ug/L			06/20/25 18:59	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/20/25 18:59	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/20/25 18:59	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/20/25 18:59	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/20/25 18:59	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/20/25 18:59	1
Dibromomethane	ND		5.00	0.220	ug/L			06/20/25 18:59	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/20/25 18:59	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/20/25 18:59	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/20/25 18:59	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/20/25 18:59	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/20/25 18:59	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/20/25 18:59	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/20/25 18:59	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 18:59	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 18:59	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 18:59	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/20/25 18:59	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/20/25 18:59	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/20/25 18:59	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/20/25 18:59	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			06/20/25 18:59	1
Hexane	ND		1.00	0.960	ug/L			06/20/25 18:59	1
2-Hexanone	ND		25.0	4.26	ug/L			06/20/25 18:59	1
Iodomethane	ND		1.00	0.900	ug/L			06/20/25 18:59	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/20/25 18:59	1
Isopropyl ether	ND	*+	1.00	0.740	ug/L			06/20/25 18:59	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/20/25 18:59	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/20/25 18:59	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/20/25 18:59	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/20/25 18:59	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/20/25 18:59	1
Naphthalene	ND		5.00	3.00	ug/L			06/20/25 18:59	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/20/25 18:59	1
n-Heptane	ND		1.00	0.210	ug/L			06/20/25 18:59	1
N-Propylbenzene	ND		1.00	0.690	ug/L			06/20/25 18:59	1

Client Sample ID: MW-10
Date Collected: 06/10/25 10:30
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277476-10
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			06/20/25 18:59	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/20/25 18:59	1
Styrene	ND		1.00	1.00	ug/L			06/20/25 18:59	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/20/25 18:59	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/20/25 18:59	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/20/25 18:59	1
Tetrachloroethene	ND		1.00	0.330	ug/L			06/20/25 18:59	1
Toluene	ND		1.00	0.900	ug/L			06/20/25 18:59	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/20/25 18:59	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/20/25 18:59	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/20/25 18:59	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/20/25 18:59	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/20/25 18:59	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/20/25 18:59	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/20/25 18:59	1
Trichloroethene	ND		1.00	0.150	ug/L			06/20/25 18:59	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			06/20/25 18:59	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/20/25 18:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/20/25 18:59	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/20/25 18:59	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/20/25 18:59	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/20/25 18:59	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/20/25 18:59	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/20/25 18:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*56 - 136*		*06/20/25 18:59*	*1*
Dibromofluoromethane	*101*		*79 - 130*		*06/20/25 18:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*59 - 146*		*06/20/25 18:59*	*1*
Toluene-d8 (Surr)	*98*		*64 - 132*		*06/20/25 18:59*	*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		0.279	0.279	ug/L		06/13/25 07:00	06/20/25 20:18	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*31*		*10 - 140*	*06/13/25 07:00*	*06/20/25 20:18*	*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		10.1	0.423	ug/L		06/13/25 07:00	06/17/25 01:39	1
2,4,5-Trichlorophenol	ND		10.1	0.544	ug/L		06/13/25 07:00	06/17/25 01:39	1
2,4,6-Trichlorophenol	ND		10.1	1.10	ug/L		06/13/25 07:00	06/17/25 01:39	1
2,4-Dichlorophenol	ND		10.1	0.574	ug/L		06/13/25 07:00	06/17/25 01:39	1
2,4-Dimethylphenol	ND		10.1	0.242	ug/L		06/13/25 07:00	06/17/25 01:39	1
2,4-Dinitrophenol	ND		30.2	4.71	ug/L		06/13/25 07:00	06/17/25 01:39	1
2,4-Dinitrotoluene	ND		10.1	0.654	ug/L		06/13/25 07:00	06/17/25 01:39	1
2,6-Dinitrotoluene	ND		10.1	0.292	ug/L		06/13/25 07:00	06/17/25 01:39	1
2-Chloronaphthalene	ND		10.1	0.383	ug/L		06/13/25 07:00	06/17/25 01:39	1
2-Chlorophenol	ND		10.1	0.846	ug/L		06/13/25 07:00	06/17/25 01:39	1
2-Methylnaphthalene	ND		10.1	0.815	ug/L		06/13/25 07:00	06/17/25 01:39	1

Client Sample ID: MW-10
Lab Sample ID: 400-277476-10
Date Collected: 06/10/25 10:30
Matrix: Water
Date Received: 06/12/25 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		10.1	0.765	ug/L		06/13/25 07:00	06/17/25 01:39	1
2-Nitroaniline	ND		10.1	1.38	ug/L		06/13/25 07:00	06/17/25 01:39	1
2-Nitrophenol	ND		10.1	1.18	ug/L		06/13/25 07:00	06/17/25 01:39	1
3 & 4 Methylphenol	ND		20.1	4.63	ug/L		06/13/25 07:00	06/17/25 01:39	1
3,3'-Dichlorobenzidine	ND		11.1	0.413	ug/L		06/13/25 07:00	06/17/25 01:39	1
3-Nitroaniline	ND		10.1	0.956	ug/L		06/13/25 07:00	06/17/25 01:39	1
4,6-Dinitro-2-methylphenol	ND		10.1	1.98	ug/L		06/13/25 07:00	06/17/25 01:39	1
4-Bromophenyl phenyl ether	ND		10.1	0.131	ug/L		06/13/25 07:00	06/17/25 01:39	1
4-Chloro-3-methylphenol	ND		10.1	0.735	ug/L		06/13/25 07:00	06/17/25 01:39	1
4-Chloroaniline	ND		10.1	0.282	ug/L		06/13/25 07:00	06/17/25 01:39	1
4-Chlorophenyl phenyl ether	ND		10.1	0.242	ug/L		06/13/25 07:00	06/17/25 01:39	1
4-Nitroaniline	ND		10.1	3.52	ug/L		06/13/25 07:00	06/17/25 01:39	1
4-Nitrophenol	ND		10.1	2.76	ug/L		06/13/25 07:00	06/17/25 01:39	1
Acenaphthene	ND		10.1	0.634	ug/L		06/13/25 07:00	06/17/25 01:39	1
Acenaphthylene	ND		10.1	0.765	ug/L		06/13/25 07:00	06/17/25 01:39	1
Acetophenone	ND		10.1	3.22	ug/L		06/13/25 07:00	06/17/25 01:39	1
Anthracene	ND		10.1	0.916	ug/L		06/13/25 07:00	06/17/25 01:39	1
Atrazine	ND		10.1	1.14	ug/L		06/13/25 07:00	06/17/25 01:39	1
Benzaldehyde	ND		10.1	0.674	ug/L		06/13/25 07:00	06/17/25 01:39	1
Benzo[a]anthracene	ND		10.1	1.01	ug/L		06/13/25 07:00	06/17/25 01:39	1
Benzo[a]pyrene	ND		10.1	1.11	ug/L		06/13/25 07:00	06/17/25 01:39	1
Benzo[b]fluoranthene	ND		10.1	1.21	ug/L		06/13/25 07:00	06/17/25 01:39	1
Benzo[g,h,i]perylene	ND		10.1	1.51	ug/L		06/13/25 07:00	06/17/25 01:39	1
Benzo[k]fluoranthene	ND		10.1	1.51	ug/L		06/13/25 07:00	06/17/25 01:39	1
bis (2-chloroisopropyl) ether	ND		10.1	0.936	ug/L		06/13/25 07:00	06/17/25 01:39	1
Bis(2-chloroethoxy)methane	ND		10.1	0.342	ug/L		06/13/25 07:00	06/17/25 01:39	1
Bis(2-chloroethyl)ether	ND		10.1	0.735	ug/L		06/13/25 07:00	06/17/25 01:39	1
Bis(2-ethylhexyl) phthalate	ND		10.1	4.03	ug/L		06/13/25 07:00	06/17/25 01:39	1
Butyl benzyl phthalate	ND		10.1	4.03	ug/L		06/13/25 07:00	06/17/25 01:39	1
Caprolactam	**9.71**	**J**	10.1	2.42	ug/L		06/13/25 07:00	06/17/25 01:39	1
Carbazole	ND		10.1	0.322	ug/L		06/13/25 07:00	06/17/25 01:39	1
Chrysene	ND		10.1	1.21	ug/L		06/13/25 07:00	06/17/25 01:39	1
Dibenz(a,h)anthracene	ND		10.1	1.31	ug/L		06/13/25 07:00	06/17/25 01:39	1
Dibenzofuran	ND		10.1	0.644	ug/L		06/13/25 07:00	06/17/25 01:39	1
Diethyl phthalate	ND		10.1	4.03	ug/L		06/13/25 07:00	06/17/25 01:39	1
Dimethyl phthalate	ND		10.1	4.03	ug/L		06/13/25 07:00	06/17/25 01:39	1
Di-n-butyl phthalate	ND		10.1	4.03	ug/L		06/13/25 07:00	06/17/25 01:39	1
Di-n-octyl phthalate	ND		10.1	4.03	ug/L		06/13/25 07:00	06/17/25 01:39	1
Fluoranthene	ND		10.1	0.634	ug/L		06/13/25 07:00	06/17/25 01:39	1
Fluorene	ND		10.1	0.674	ug/L		06/13/25 07:00	06/17/25 01:39	1
Hexachlorobenzene	ND		10.1	0.252	ug/L		06/13/25 07:00	06/17/25 01:39	1
Hexachlorobutadiene	ND	*1	10.1	0.554	ug/L		06/13/25 07:00	06/17/25 01:39	1
Hexachlorocyclopentadiene	ND	*1	20.1	0.322	ug/L		06/13/25 07:00	06/17/25 01:39	1
Hexachloroethane	ND		10.1	0.534	ug/L		06/13/25 07:00	06/17/25 01:39	1
Indeno[1,2,3-cd]pyrene	ND		10.1	1.11	ug/L		06/13/25 07:00	06/17/25 01:39	1
Isophorone	ND		10.1	0.805	ug/L		06/13/25 07:00	06/17/25 01:39	1
Naphthalene	ND		10.1	0.755	ug/L		06/13/25 07:00	06/17/25 01:39	1
Nitrobenzene	ND		10.1	0.604	ug/L		06/13/25 07:00	06/17/25 01:39	1
N-Nitrosodi-n-propylamine	ND		10.1	0.332	ug/L		06/13/25 07:00	06/17/25 01:39	1

Client Sample ID: MW-10
Date Collected: 06/10/25 10:30
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277476-10
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		10.1	0.191	ug/L		06/13/25 07:00	06/17/25 01:39	1
Pentachlorophenol	ND		10.1	2.82	ug/L		06/13/25 07:00	06/17/25 01:39	1
Phenanthrene	ND		10.1	0.745	ug/L		06/13/25 07:00	06/17/25 01:39	1
Phenol	ND		10.1	0.685	ug/L		06/13/25 07:00	06/17/25 01:39	1
Pyrene	ND		10.1	0.634	ug/L		06/13/25 07:00	06/17/25 01:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*67*		*10 - 150*	*06/13/25 07:00*	*06/17/25 01:39*	*1*
2-Fluorobiphenyl (Surr)	*67*		*25 - 139*	*06/13/25 07:00*	*06/17/25 01:39*	*1*
2-Fluorophenol (Surr)	*73*		*10 - 150*	*06/13/25 07:00*	*06/17/25 01:39*	*1*
Nitrobenzene-d5 (Surr)	*68*		*22 - 150*	*06/13/25 07:00*	*06/17/25 01:39*	*1*
Phenol-d5 (Surr)	*82*		*10 - 150*	*06/13/25 07:00*	*06/17/25 01:39*	*1*
Terphenyl-d14 (Surr)	*42*		*28 - 150*	*06/13/25 07:00*	*06/17/25 01:39*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**29.5**		1.00	0.390	mg/L			06/12/25 21:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	0.340	ug/L		06/16/25 05:29	06/17/25 12:37	1
Arsenic	ND		3.00	0.860	ug/L		06/16/25 05:29	06/17/25 12:37	1
Barium	**83.1**		5.00	0.890	ug/L		06/16/25 05:29	06/17/25 12:37	1
Beryllium	ND		0.500	0.200	ug/L		06/16/25 05:29	06/17/25 12:37	1
Cadmium	ND		0.500	0.0780	ug/L		06/16/25 05:29	06/17/25 12:37	1
Chromium	**2.70**	**J**	5.00	1.20	ug/L		06/16/25 05:29	06/17/25 12:37	1
Cobalt	**0.895**		0.500	0.220	ug/L		06/16/25 05:29	06/17/25 12:37	1
Copper	**4.00**	**J**	5.00	1.08	ug/L		06/16/25 05:29	06/17/25 12:37	1
Lead	**0.310**	**J**	2.50	0.210	ug/L		06/16/25 05:29	06/17/25 12:37	1
Manganese	**97.4**		5.00	2.20	ug/L		06/16/25 05:29	06/17/25 12:37	1
Nickel	**2.32**	**J**	5.00	0.420	ug/L		06/16/25 05:29	06/17/25 12:37	1
Selenium	ND		2.50	0.990	ug/L		06/16/25 05:29	06/17/25 12:37	1
Silver	ND		1.00	0.390	ug/L		06/16/25 05:29	06/17/25 12:37	1
Thallium	ND		1.00	0.260	ug/L		06/16/25 05:29	06/17/25 12:37	1
Vanadium	**8.71**	**J**	10.0	0.630	ug/L		06/16/25 05:29	06/17/25 12:37	1
Zinc	**3.51**	**J**	20.0	2.80	ug/L		06/16/25 05:29	06/17/25 12:37	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		06/20/25 13:24	06/20/25 18:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		0.0500	0.0460	mg/L			06/17/25 13:31	1
Nitrate as N (SM Nitrate by calc)	**1.04**	**H**	0.0500	0.0180	mg/L			06/13/25 10:09	1
Nitrite as N (SM 4500 NO2 B)	ND	H H3	0.100	0.0180	mg/L			06/13/25 10:09	1
Nitrate Nitrite as N (SM 4500 NO3 F)	**1.04**		0.0500	0.0180	mg/L			06/16/25 14:58	1

Client: S&ME Inc
Job ID: 400-277476-1
Project/Site: Southside Park LF

Client Sample ID: DUP-692025
Lab Sample ID: 400-277476-11
Date Collected: 06/09/25 00:00
Matrix: Water
Date Received: 06/12/25 09:40

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			06/23/25 14:13	1
Benzene	ND		1.00	0.500	ug/L			06/23/25 14:13	1
Bromobenzene	ND		1.00	0.540	ug/L			06/23/25 14:13	1
Bromoform	ND		5.00	0.250	ug/L			06/23/25 14:13	1
Bromomethane	ND		1.00	0.980	ug/L			06/23/25 14:13	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/23/25 14:13	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/23/25 14:13	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/23/25 14:13	1
Chlorobenzene	**0.532**	**J**	1.00	0.420	ug/L			06/23/25 14:13	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/23/25 14:13	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/23/25 14:13	1
Chloroethane	ND		1.00	0.760	ug/L			06/23/25 14:13	1
Chloroform	ND		1.00	0.900	ug/L			06/23/25 14:13	1
Chloromethane	ND		1.00	0.400	ug/L			06/23/25 14:13	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/23/25 14:13	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/23/25 14:13	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/23/25 14:13	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/23/25 14:13	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/23/25 14:13	1
Dibromomethane	ND		5.00	0.220	ug/L			06/23/25 14:13	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/23/25 14:13	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/23/25 14:13	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/23/25 14:13	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/23/25 14:13	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/23/25 14:13	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/23/25 14:13	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/23/25 14:13	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/23/25 14:13	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/23/25 14:13	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/23/25 14:13	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/23/25 14:13	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/23/25 14:13	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/23/25 14:13	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/23/25 14:13	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			06/23/25 14:13	1
Hexane	ND		1.00	0.960	ug/L			06/23/25 14:13	1
2-Hexanone	ND		25.0	4.26	ug/L			06/23/25 14:13	1
Iodomethane	ND		1.00	0.900	ug/L			06/23/25 14:13	1
Isopropylbenzene	**2.17**		1.00	0.530	ug/L			06/23/25 14:13	1
Isopropyl ether	ND		1.00	0.740	ug/L			06/23/25 14:13	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/23/25 14:13	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/23/25 14:13	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/23/25 14:13	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/23/25 14:13	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/23/25 14:13	1
Naphthalene	ND		5.00	3.00	ug/L			06/23/25 14:13	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/23/25 14:13	1
n-Heptane	ND		1.00	0.210	ug/L			06/23/25 14:13	1
N-Propylbenzene	ND		1.00	0.690	ug/L			06/23/25 14:13	1

Client Sample ID: DUP-692025
Date Collected: 06/09/25 00:00
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277476-11
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			06/23/25 14:13	1
sec-Butylbenzene	**1.14**		1.00	0.700	ug/L			06/23/25 14:13	1
Styrene	ND		1.00	1.00	ug/L			06/23/25 14:13	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/23/25 14:13	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/23/25 14:13	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/23/25 14:13	1
Tetrachloroethene	ND		1.00	0.330	ug/L			06/23/25 14:13	1
Toluene	ND		1.00	0.900	ug/L			06/23/25 14:13	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/23/25 14:13	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/23/25 14:13	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/23/25 14:13	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/23/25 14:13	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/23/25 14:13	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/23/25 14:13	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/23/25 14:13	1
Trichloroethene	ND		1.00	0.150	ug/L			06/23/25 14:13	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			06/23/25 14:13	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/23/25 14:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/23/25 14:13	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/23/25 14:13	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/23/25 14:13	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/23/25 14:13	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/23/25 14:13	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/23/25 14:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*56 - 136*		*06/23/25 14:13*	*1*
Dibromofluoromethane	*106*		*79 - 130*		*06/23/25 14:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*59 - 146*		*06/23/25 14:13*	*1*
Toluene-d8 (Surr)	*97*		*64 - 132*		*06/23/25 14:13*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**0.279**		0.277	0.277	ug/L		06/13/25 07:00	06/20/25 20:41	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*34*		*10 - 140*	*06/13/25 07:00*	*06/20/25 20:41*	*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		9.90	0.416	ug/L		06/13/25 07:00	06/17/25 02:14	1
2,4,5-Trichlorophenol	ND		9.90	0.535	ug/L		06/13/25 07:00	06/17/25 02:14	1
2,4,6-Trichlorophenol	ND		9.90	1.08	ug/L		06/13/25 07:00	06/17/25 02:14	1
2,4-Dichlorophenol	ND		9.90	0.564	ug/L		06/13/25 07:00	06/17/25 02:14	1
2,4-Dimethylphenol	ND		9.90	0.238	ug/L		06/13/25 07:00	06/17/25 02:14	1
2,4-Dinitrophenol	ND		29.7	4.63	ug/L		06/13/25 07:00	06/17/25 02:14	1
2,4-Dinitrotoluene	ND		9.90	0.644	ug/L		06/13/25 07:00	06/17/25 02:14	1
2,6-Dinitrotoluene	ND		9.90	0.287	ug/L		06/13/25 07:00	06/17/25 02:14	1
2-Chloronaphthalene	ND		9.90	0.376	ug/L		06/13/25 07:00	06/17/25 02:14	1
2-Chlorophenol	ND		9.90	0.832	ug/L		06/13/25 07:00	06/17/25 02:14	1
2-Methylnaphthalene	**6.46**	**J**	9.90	0.802	ug/L		06/13/25 07:00	06/17/25 02:14	1

Client Sample ID: DUP-692025
Date Collected: 06/09/25 00:00
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277476-11
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		9.90	0.752	ug/L		06/13/25 07:00	06/17/25 02:14	1
2-Nitroaniline	ND		9.90	1.36	ug/L		06/13/25 07:00	06/17/25 02:14	1
2-Nitrophenol	ND		9.90	1.16	ug/L		06/13/25 07:00	06/17/25 02:14	1
3 & 4 Methylphenol	ND		19.8	4.55	ug/L		06/13/25 07:00	06/17/25 02:14	1
3,3'-Dichlorobenzidine	ND		10.9	0.406	ug/L		06/13/25 07:00	06/17/25 02:14	1
3-Nitroaniline	ND		9.90	0.941	ug/L		06/13/25 07:00	06/17/25 02:14	1
4,6-Dinitro-2-methylphenol	ND		9.90	1.95	ug/L		06/13/25 07:00	06/17/25 02:14	1
4-Bromophenyl phenyl ether	ND		9.90	0.129	ug/L		06/13/25 07:00	06/17/25 02:14	1
4-Chloro-3-methylphenol	**3.62**	**J**	9.90	0.723	ug/L		06/13/25 07:00	06/17/25 02:14	1
4-Chloroaniline	ND		9.90	0.277	ug/L		06/13/25 07:00	06/17/25 02:14	1
4-Chlorophenyl phenyl ether	ND		9.90	0.238	ug/L		06/13/25 07:00	06/17/25 02:14	1
4-Nitroaniline	ND		9.90	3.47	ug/L		06/13/25 07:00	06/17/25 02:14	1
4-Nitrophenol	ND		9.90	2.71	ug/L		06/13/25 07:00	06/17/25 02:14	1
Acenaphthene	**3.90**	**J**	9.90	0.624	ug/L		06/13/25 07:00	06/17/25 02:14	1
Acenaphthylene	ND		9.90	0.752	ug/L		06/13/25 07:00	06/17/25 02:14	1
Acetophenone	ND		9.90	3.17	ug/L		06/13/25 07:00	06/17/25 02:14	1
Anthracene	**1.36**	**J**	9.90	0.901	ug/L		06/13/25 07:00	06/17/25 02:14	1
Atrazine	ND		9.90	1.12	ug/L		06/13/25 07:00	06/17/25 02:14	1
Benzaldehyde	ND		9.90	0.663	ug/L		06/13/25 07:00	06/17/25 02:14	1
Benzo[a]anthracene	ND		9.90	0.990	ug/L		06/13/25 07:00	06/17/25 02:14	1
Benzo[a]pyrene	ND		9.90	1.09	ug/L		06/13/25 07:00	06/17/25 02:14	1
Benzo[b]fluoranthene	ND		9.90	1.19	ug/L		06/13/25 07:00	06/17/25 02:14	1
Benzo[g,h,i]perylene	ND		9.90	1.49	ug/L		06/13/25 07:00	06/17/25 02:14	1
Benzo[k]fluoranthene	ND		9.90	1.49	ug/L		06/13/25 07:00	06/17/25 02:14	1
bis (2-chloroisopropyl) ether	ND		9.90	0.921	ug/L		06/13/25 07:00	06/17/25 02:14	1
Bis(2-chloroethoxy)methane	ND		9.90	0.337	ug/L		06/13/25 07:00	06/17/25 02:14	1
Bis(2-chloroethyl)ether	ND		9.90	0.723	ug/L		06/13/25 07:00	06/17/25 02:14	1
Bis(2-ethylhexyl) phthalate	**5.69**	**J**	9.90	3.96	ug/L		06/13/25 07:00	06/17/25 02:14	1
Butyl benzyl phthalate	ND		9.90	3.96	ug/L		06/13/25 07:00	06/17/25 02:14	1
Caprolactam	ND		9.90	2.38	ug/L		06/13/25 07:00	06/17/25 02:14	1
Carbazole	ND		9.90	0.317	ug/L		06/13/25 07:00	06/17/25 02:14	1
Chrysene	ND		9.90	1.19	ug/L		06/13/25 07:00	06/17/25 02:14	1
Dibenz(a,h)anthracene	ND		9.90	1.29	ug/L		06/13/25 07:00	06/17/25 02:14	1
Dibenzofuran	**1.23**	**J**	9.90	0.634	ug/L		06/13/25 07:00	06/17/25 02:14	1
Diethyl phthalate	ND		9.90	3.96	ug/L		06/13/25 07:00	06/17/25 02:14	1
Dimethyl phthalate	ND		9.90	3.96	ug/L		06/13/25 07:00	06/17/25 02:14	1
Di-n-butyl phthalate	ND		9.90	3.96	ug/L		06/13/25 07:00	06/17/25 02:14	1
Di-n-octyl phthalate	ND		9.90	3.96	ug/L		06/13/25 07:00	06/17/25 02:14	1
Fluoranthene	**4.13**	**J**	9.90	0.624	ug/L		06/13/25 07:00	06/17/25 02:14	1
Fluorene	**2.75**	**J**	9.90	0.663	ug/L		06/13/25 07:00	06/17/25 02:14	1
Hexachlorobenzene	ND		9.90	0.248	ug/L		06/13/25 07:00	06/17/25 02:14	1
Hexachlorobutadiene	ND	*1	9.90	0.545	ug/L		06/13/25 07:00	06/17/25 02:14	1
Hexachlorocyclopentadiene	ND	*1	19.8	0.317	ug/L		06/13/25 07:00	06/17/25 02:14	1
Hexachloroethane	ND		9.90	0.525	ug/L		06/13/25 07:00	06/17/25 02:14	1
Indeno[1,2,3-cd]pyrene	ND		9.90	1.09	ug/L		06/13/25 07:00	06/17/25 02:14	1
Isophorone	ND		9.90	0.792	ug/L		06/13/25 07:00	06/17/25 02:14	1
Naphthalene	ND		9.90	0.743	ug/L		06/13/25 07:00	06/17/25 02:14	1
Nitrobenzene	ND		9.90	0.594	ug/L		06/13/25 07:00	06/17/25 02:14	1
N-Nitrosodi-n-propylamine	ND		9.90	0.327	ug/L		06/13/25 07:00	06/17/25 02:14	1

Client: S&ME Inc
Project/Site: Southside Park LF

Job ID: 400-277476-1

Client Sample ID: DUP-692025

Date Collected: 06/09/25 00:00
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277476-11

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	0.571	J	9.90	0.188	ug/L		06/13/25 07:00	06/17/25 02:14	1
Pentachlorophenol	ND		9.90	2.77	ug/L		06/13/25 07:00	06/17/25 02:14	1
Phenanthrene	7.25	J	9.90	0.733	ug/L		06/13/25 07:00	06/17/25 02:14	1
Phenol	ND		9.90	0.673	ug/L		06/13/25 07:00	06/17/25 02:14	1
Pyrene	3.39	J	9.90	0.624	ug/L		06/13/25 07:00	06/17/25 02:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*64*		*10 - 150*	*06/13/25 07:00*	*06/17/25 02:14*	*1*
2-Fluorobiphenyl (Surr)	*69*		*25 - 139*	*06/13/25 07:00*	*06/17/25 02:14*	*1*
2-Fluorophenol (Surr)	*74*		*10 - 150*	*06/13/25 07:00*	*06/17/25 02:14*	*1*
Nitrobenzene-d5 (Surr)	*69*		*22 - 150*	*06/13/25 07:00*	*06/17/25 02:14*	*1*
Phenol-d5 (Surr)	*83*		*10 - 150*	*06/13/25 07:00*	*06/17/25 02:14*	*1*
Terphenyl-d14 (Surr)	*33*		*28 - 150*	*06/13/25 07:00*	*06/17/25 02:14*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	1.74		1.00	0.390	mg/L			06/12/25 21:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	0.340	ug/L		06/16/25 05:29	06/18/25 09:51	1
Arsenic	2.65	J	3.00	0.860	ug/L		06/16/25 05:29	06/18/25 09:51	1
Barium	823		5.00	0.890	ug/L		06/16/25 05:29	06/18/25 09:51	1
Beryllium	0.315	J	0.500	0.200	ug/L		06/16/25 05:29	06/18/25 09:51	1
Cadmium	0.845		0.500	0.0780	ug/L		06/16/25 05:29	06/18/25 09:51	1
Chromium	7.00		5.00	1.20	ug/L		06/16/25 05:29	06/18/25 09:51	1
Cobalt	11.4		0.500	0.220	ug/L		06/16/25 05:29	06/18/25 09:51	1
Copper	1.26	J	5.00	1.08	ug/L		06/16/25 05:29	06/18/25 09:51	1
Lead	82.4		2.50	0.210	ug/L		06/16/25 05:29	06/18/25 09:51	1
Manganese	504		5.00	2.20	ug/L		06/16/25 05:29	06/18/25 09:51	1
Nickel	8.28		5.00	0.420	ug/L		06/16/25 05:29	06/18/25 09:51	1
Selenium	ND		2.50	0.990	ug/L		06/16/25 05:29	06/18/25 09:51	1
Silver	ND		1.00	0.390	ug/L		06/16/25 05:29	06/18/25 09:51	1
Thallium	ND		1.00	0.260	ug/L		06/16/25 05:29	06/18/25 09:51	1
Vanadium	29.8		10.0	0.630	ug/L		06/16/25 05:29	06/18/25 09:51	1
Zinc	1540		20.0	2.80	ug/L		06/16/25 05:29	06/18/25 09:51	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.294		0.200	0.0800	ug/L		06/20/25 13:24	06/20/25 18:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	37.2		0.500	0.460	mg/L			06/18/25 10:48	10
Nitrate as N (SM Nitrate by calc)	ND	H H3	0.0500	0.0180	mg/L			06/13/25 10:10	1
Nitrite as N (SM 4500 NO2 B)	ND	H H3	0.100	0.0180	mg/L			06/13/25 10:10	1
Nitrate Nitrite as N (SM 4500 NO3 F)	ND		0.0500	0.0180	mg/L			06/16/25 15:03	1

Client: S&ME Inc
Job ID: 400-277476-1
Project/Site: Southside Park LF

Client Sample ID: DUP-6102025
Lab Sample ID: 400-277476-12
Date Collected: 06/10/25 00:00
Matrix: Water
Date Received: 06/12/25 09:40

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			06/20/25 19:41	1
Benzene	ND		1.00	0.500	ug/L			06/20/25 19:41	1
Bromobenzene	ND		1.00	0.540	ug/L			06/20/25 19:41	1
Bromoform	ND		5.00	0.250	ug/L			06/20/25 19:41	1
Bromomethane	ND		1.00	0.980	ug/L			06/20/25 19:41	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/20/25 19:41	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/20/25 19:41	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/20/25 19:41	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/20/25 19:41	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/20/25 19:41	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/20/25 19:41	1
Chloroethane	ND		1.00	0.760	ug/L			06/20/25 19:41	1
Chloroform	ND		1.00	0.900	ug/L			06/20/25 19:41	1
Chloromethane	ND		1.00	0.400	ug/L			06/20/25 19:41	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/20/25 19:41	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/20/25 19:41	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/20/25 19:41	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/20/25 19:41	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/20/25 19:41	1
Dibromomethane	ND		5.00	0.220	ug/L			06/20/25 19:41	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/20/25 19:41	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/20/25 19:41	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/20/25 19:41	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/20/25 19:41	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/20/25 19:41	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/20/25 19:41	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/20/25 19:41	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 19:41	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 19:41	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 19:41	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/20/25 19:41	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/20/25 19:41	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/20/25 19:41	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/20/25 19:41	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			06/20/25 19:41	1
Hexane	ND		1.00	0.960	ug/L			06/20/25 19:41	1
2-Hexanone	ND		25.0	4.26	ug/L			06/20/25 19:41	1
Iodomethane	ND		1.00	0.900	ug/L			06/20/25 19:41	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/20/25 19:41	1
Isopropyl ether	ND	*+	1.00	0.740	ug/L			06/20/25 19:41	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/20/25 19:41	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/20/25 19:41	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/20/25 19:41	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/20/25 19:41	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/20/25 19:41	1
Naphthalene	ND		5.00	3.00	ug/L			06/20/25 19:41	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/20/25 19:41	1
n-Heptane	ND		1.00	0.210	ug/L			06/20/25 19:41	1
N-Propylbenzene	ND		1.00	0.690	ug/L			06/20/25 19:41	1

Client Sample ID: DUP-6102025
Date Collected: 06/10/25 00:00
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277476-12
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			06/20/25 19:41	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/20/25 19:41	1
Styrene	ND		1.00	1.00	ug/L			06/20/25 19:41	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/20/25 19:41	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/20/25 19:41	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/20/25 19:41	1
Tetrachloroethene	ND		1.00	0.330	ug/L			06/20/25 19:41	1
Toluene	ND		1.00	0.900	ug/L			06/20/25 19:41	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/20/25 19:41	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/20/25 19:41	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/20/25 19:41	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/20/25 19:41	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/20/25 19:41	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/20/25 19:41	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/20/25 19:41	1
Trichloroethene	ND		1.00	0.150	ug/L			06/20/25 19:41	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			06/20/25 19:41	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/20/25 19:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/20/25 19:41	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/20/25 19:41	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/20/25 19:41	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/20/25 19:41	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/20/25 19:41	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/20/25 19:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*56 - 136*		*06/20/25 19:41*	*1*
Dibromofluoromethane	*100*		*79 - 130*		*06/20/25 19:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*59 - 146*		*06/20/25 19:41*	*1*
Toluene-d8 (Surr)	*96*		*64 - 132*		*06/20/25 19:41*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.277	0.277	ug/L		06/13/25 07:00	06/20/25 21:02	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*31*		*10 - 140*	*06/13/25 07:00*	*06/20/25 21:02*	*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		10.2	0.429	ug/L		06/13/25 07:00	06/17/25 02:49	1
2,4,5-Trichlorophenol	ND		10.2	0.551	ug/L		06/13/25 07:00	06/17/25 02:49	1
2,4,6-Trichlorophenol	ND		10.2	1.11	ug/L		06/13/25 07:00	06/17/25 02:49	1
2,4-Dichlorophenol	ND		10.2	0.582	ug/L		06/13/25 07:00	06/17/25 02:49	1
2,4-Dimethylphenol	ND		10.2	0.245	ug/L		06/13/25 07:00	06/17/25 02:49	1
2,4-Dinitrophenol	ND		30.6	4.78	ug/L		06/13/25 07:00	06/17/25 02:49	1
2,4-Dinitrotoluene	ND		10.2	0.663	ug/L		06/13/25 07:00	06/17/25 02:49	1
2,6-Dinitrotoluene	ND		10.2	0.296	ug/L		06/13/25 07:00	06/17/25 02:49	1
2-Chloronaphthalene	ND		10.2	0.388	ug/L		06/13/25 07:00	06/17/25 02:49	1
2-Chlorophenol	ND		10.2	0.857	ug/L		06/13/25 07:00	06/17/25 02:49	1
2-Methylnaphthalene	ND		10.2	0.827	ug/L		06/13/25 07:00	06/17/25 02:49	1

Client: S&ME Inc
Job ID: 400-277476-1
Project/Site: Southside Park LF

Client Sample ID: DUP-6102025
Lab Sample ID: 400-277476-12
Date Collected: 06/10/25 00:00
Matrix: Water
Date Received: 06/12/25 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		10.2	0.776	ug/L		06/13/25 07:00	06/17/25 02:49	1
2-Nitroaniline	ND		10.2	1.40	ug/L		06/13/25 07:00	06/17/25 02:49	1
2-Nitrophenol	ND		10.2	1.19	ug/L		06/13/25 07:00	06/17/25 02:49	1
3 & 4 Methylphenol	ND		20.4	4.69	ug/L		06/13/25 07:00	06/17/25 02:49	1
3,3'-Dichlorobenzidine	ND		11.2	0.418	ug/L		06/13/25 07:00	06/17/25 02:49	1
3-Nitroaniline	ND		10.2	0.969	ug/L		06/13/25 07:00	06/17/25 02:49	1
4,6-Dinitro-2-methylphenol	ND		10.2	2.01	ug/L		06/13/25 07:00	06/17/25 02:49	1
4-Bromophenyl phenyl ether	ND		10.2	0.133	ug/L		06/13/25 07:00	06/17/25 02:49	1
4-Chloro-3-methylphenol	ND		10.2	0.745	ug/L		06/13/25 07:00	06/17/25 02:49	1
4-Chloroaniline	ND		10.2	0.286	ug/L		06/13/25 07:00	06/17/25 02:49	1
4-Chlorophenyl phenyl ether	ND		10.2	0.245	ug/L		06/13/25 07:00	06/17/25 02:49	1
4-Nitroaniline	ND		10.2	3.57	ug/L		06/13/25 07:00	06/17/25 02:49	1
4-Nitrophenol	ND		10.2	2.80	ug/L		06/13/25 07:00	06/17/25 02:49	1
Acenaphthene	ND		10.2	0.643	ug/L		06/13/25 07:00	06/17/25 02:49	1
Acenaphthylene	ND		10.2	0.776	ug/L		06/13/25 07:00	06/17/25 02:49	1
Acetophenone	ND		10.2	3.27	ug/L		06/13/25 07:00	06/17/25 02:49	1
Anthracene	ND		10.2	0.929	ug/L		06/13/25 07:00	06/17/25 02:49	1
Atrazine	ND		10.2	1.15	ug/L		06/13/25 07:00	06/17/25 02:49	1
Benzaldehyde	ND		10.2	0.684	ug/L		06/13/25 07:00	06/17/25 02:49	1
Benzo[a]anthracene	ND		10.2	1.02	ug/L		06/13/25 07:00	06/17/25 02:49	1
Benzo[a]pyrene	ND		10.2	1.12	ug/L		06/13/25 07:00	06/17/25 02:49	1
Benzo[b]fluoranthene	ND		10.2	1.22	ug/L		06/13/25 07:00	06/17/25 02:49	1
Benzo[g,h,i]perylene	ND		10.2	1.53	ug/L		06/13/25 07:00	06/17/25 02:49	1
Benzo[k]fluoranthene	ND		10.2	1.53	ug/L		06/13/25 07:00	06/17/25 02:49	1
bis (2-chloroisopropyl) ether	ND		10.2	0.949	ug/L		06/13/25 07:00	06/17/25 02:49	1
Bis(2-chloroethoxy)methane	ND		10.2	0.347	ug/L		06/13/25 07:00	06/17/25 02:49	1
Bis(2-chloroethyl)ether	ND		10.2	0.745	ug/L		06/13/25 07:00	06/17/25 02:49	1
Bis(2-ethylhexyl) phthalate	ND		10.2	4.08	ug/L		06/13/25 07:00	06/17/25 02:49	1
Butyl benzyl phthalate	ND		10.2	4.08	ug/L		06/13/25 07:00	06/17/25 02:49	1
Caprolactam	**12.5**		10.2	2.45	ug/L		06/13/25 07:00	06/17/25 02:49	1
Carbazole	ND		10.2	0.327	ug/L		06/13/25 07:00	06/17/25 02:49	1
Chrysene	ND		10.2	1.22	ug/L		06/13/25 07:00	06/17/25 02:49	1
Dibenz(a,h)anthracene	ND		10.2	1.33	ug/L		06/13/25 07:00	06/17/25 02:49	1
Dibenzofuran	ND		10.2	0.653	ug/L		06/13/25 07:00	06/17/25 02:49	1
Diethyl phthalate	ND		10.2	4.08	ug/L		06/13/25 07:00	06/17/25 02:49	1
Dimethyl phthalate	ND		10.2	4.08	ug/L		06/13/25 07:00	06/17/25 02:49	1
Di-n-butyl phthalate	ND		10.2	4.08	ug/L		06/13/25 07:00	06/17/25 02:49	1
Di-n-octyl phthalate	ND		10.2	4.08	ug/L		06/13/25 07:00	06/17/25 02:49	1
Fluoranthene	ND		10.2	0.643	ug/L		06/13/25 07:00	06/17/25 02:49	1
Fluorene	ND		10.2	0.684	ug/L		06/13/25 07:00	06/17/25 02:49	1
Hexachlorobenzene	ND		10.2	0.255	ug/L		06/13/25 07:00	06/17/25 02:49	1
Hexachlorobutadiene	ND	*1	10.2	0.561	ug/L		06/13/25 07:00	06/17/25 02:49	1
Hexachlorocyclopentadiene	ND	*1	20.4	0.327	ug/L		06/13/25 07:00	06/17/25 02:49	1
Hexachloroethane	ND		10.2	0.541	ug/L		06/13/25 07:00	06/17/25 02:49	1
Indeno[1,2,3-cd]pyrene	ND		10.2	1.12	ug/L		06/13/25 07:00	06/17/25 02:49	1
Isophorone	ND		10.2	0.816	ug/L		06/13/25 07:00	06/17/25 02:49	1
Naphthalene	ND		10.2	0.765	ug/L		06/13/25 07:00	06/17/25 02:49	1
Nitrobenzene	ND		10.2	0.612	ug/L		06/13/25 07:00	06/17/25 02:49	1
N-Nitrosodi-n-propylamine	ND		10.2	0.337	ug/L		06/13/25 07:00	06/17/25 02:49	1

Client Sample ID: DUP-6102025
Date Collected: 06/10/25 00:00
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277476-12
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		10.2	0.194	ug/L		06/13/25 07:00	06/17/25 02:49	1
Pentachlorophenol	ND		10.2	2.86	ug/L		06/13/25 07:00	06/17/25 02:49	1
Phenanthrene	ND		10.2	0.755	ug/L		06/13/25 07:00	06/17/25 02:49	1
Phenol	ND		10.2	0.694	ug/L		06/13/25 07:00	06/17/25 02:49	1
Pyrene	ND		10.2	0.643	ug/L		06/13/25 07:00	06/17/25 02:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*90*		*10 - 150*	*06/13/25 07:00*	*06/17/25 02:49*	*1*
2-Fluorobiphenyl (Surr)	*71*		*25 - 139*	*06/13/25 07:00*	*06/17/25 02:49*	*1*
2-Fluorophenol (Surr)	*101*		*10 - 150*	*06/13/25 07:00*	*06/17/25 02:49*	*1*
Nitrobenzene-d5 (Surr)	*77*		*22 - 150*	*06/13/25 07:00*	*06/17/25 02:49*	*1*
Phenol-d5 (Surr)	*113*		*10 - 150*	*06/13/25 07:00*	*06/17/25 02:49*	*1*
Terphenyl-d14 (Surr)	*50*		*28 - 150*	*06/13/25 07:00*	*06/17/25 02:49*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**23.9**		1.00	0.390	mg/L			06/12/25 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	0.340	ug/L		06/16/25 05:29	06/17/25 12:17	1
Arsenic	ND		3.00	0.860	ug/L		06/16/25 05:29	06/17/25 12:17	1
Barium	**94.6**		5.00	0.890	ug/L		06/16/25 05:29	06/17/25 12:17	1
Beryllium	ND		0.500	0.200	ug/L		06/16/25 05:29	06/17/25 12:17	1
Cadmium	ND		0.500	0.0780	ug/L		06/16/25 05:29	06/17/25 12:17	1
Chromium	**3.87**	**J**	5.00	1.20	ug/L		06/16/25 05:29	06/17/25 12:17	1
Cobalt	**1.51**		0.500	0.220	ug/L		06/16/25 05:29	06/17/25 12:17	1
Copper	**5.90**		5.00	1.08	ug/L		06/16/25 05:29	06/17/25 12:17	1
Lead	**0.570**	**J**	2.50	0.210	ug/L		06/16/25 05:29	06/17/25 12:17	1
Manganese	**137**		5.00	2.20	ug/L		06/16/25 05:29	06/17/25 12:17	1
Nickel	**3.55**	**J**	5.00	0.420	ug/L		06/16/25 05:29	06/17/25 12:17	1
Selenium	ND		2.50	0.990	ug/L		06/16/25 05:29	06/17/25 12:17	1
Silver	ND		1.00	0.390	ug/L		06/16/25 05:29	06/17/25 12:17	1
Thallium	ND		1.00	0.260	ug/L		06/16/25 05:29	06/17/25 12:17	1
Vanadium	**10.4**		10.0	0.630	ug/L		06/16/25 05:29	06/17/25 12:17	1
Zinc	**6.92**	**J**	20.0	2.80	ug/L		06/16/25 05:29	06/17/25 12:17	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0800	ug/L		06/20/25 13:24	06/20/25 18:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	**0.0900**		0.0500	0.0460	mg/L			06/17/25 13:36	1
Nitrate as N (SM Nitrate by calc)	**0.801**	**H H3**	0.0500	0.0180	mg/L			06/13/25 10:12	1
Nitrite as N (SM 4500 NO2 B)	ND	H H3	0.100	0.0180	mg/L			06/13/25 10:12	1
Nitrate Nitrite as N (SM 4500 NO3 F)	**0.801**		0.0500	0.0180	mg/L			06/16/25 15:08	1

Client: S&ME Inc
Job ID: 400-277476-1
Project/Site: Southside Park LF

Client Sample ID: TRIP BLANK 1
Lab Sample ID: 400-277476-13
Date Collected: 06/12/25 00:00
Matrix: Water
Date Received: 06/12/25 09:40

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			06/20/25 20:02	1
Benzene	ND		1.00	0.500	ug/L			06/20/25 20:02	1
Bromobenzene	ND		1.00	0.540	ug/L			06/20/25 20:02	1
Bromoform	ND		5.00	0.250	ug/L			06/20/25 20:02	1
Bromomethane	ND		1.00	0.980	ug/L			06/20/25 20:02	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/20/25 20:02	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/20/25 20:02	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/20/25 20:02	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/20/25 20:02	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/20/25 20:02	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/20/25 20:02	1
Chloroethane	ND		1.00	0.760	ug/L			06/20/25 20:02	1
Chloroform	ND		1.00	0.900	ug/L			06/20/25 20:02	1
Chloromethane	ND		1.00	0.400	ug/L			06/20/25 20:02	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/20/25 20:02	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/20/25 20:02	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/20/25 20:02	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/20/25 20:02	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/20/25 20:02	1
Dibromomethane	ND		5.00	0.220	ug/L			06/20/25 20:02	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/20/25 20:02	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/20/25 20:02	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/20/25 20:02	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/20/25 20:02	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/20/25 20:02	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/20/25 20:02	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/20/25 20:02	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 20:02	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 20:02	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 20:02	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/20/25 20:02	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/20/25 20:02	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/20/25 20:02	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/20/25 20:02	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			06/20/25 20:02	1
Hexane	ND		1.00	0.960	ug/L			06/20/25 20:02	1
2-Hexanone	ND		25.0	4.26	ug/L			06/20/25 20:02	1
Iodomethane	ND		1.00	0.900	ug/L			06/20/25 20:02	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/20/25 20:02	1
Isopropyl ether	ND	*+	1.00	0.740	ug/L			06/20/25 20:02	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/20/25 20:02	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/20/25 20:02	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/20/25 20:02	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/20/25 20:02	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/20/25 20:02	1
Naphthalene	ND		5.00	3.00	ug/L			06/20/25 20:02	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/20/25 20:02	1
n-Heptane	ND		1.00	0.210	ug/L			06/20/25 20:02	1
N-Propylbenzene	ND		1.00	0.690	ug/L			06/20/25 20:02	1

Client: S&ME Inc
Job ID: 400-277476-1
Project/Site: Southside Park LF

Client Sample ID: TRIP BLANK 1
Lab Sample ID: 400-277476-13
Date Collected: 06/12/25 00:00
Matrix: Water
Date Received: 06/12/25 09:40

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			06/20/25 20:02	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/20/25 20:02	1
Styrene	ND		1.00	1.00	ug/L			06/20/25 20:02	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/20/25 20:02	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/20/25 20:02	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/20/25 20:02	1
Tetrachloroethene	ND		1.00	0.330	ug/L			06/20/25 20:02	1
Toluene	ND		1.00	0.900	ug/L			06/20/25 20:02	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/20/25 20:02	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/20/25 20:02	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/20/25 20:02	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/20/25 20:02	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/20/25 20:02	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/20/25 20:02	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/20/25 20:02	1
Trichloroethene	ND		1.00	0.150	ug/L			06/20/25 20:02	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			06/20/25 20:02	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/20/25 20:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/20/25 20:02	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/20/25 20:02	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/20/25 20:02	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/20/25 20:02	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/20/25 20:02	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/20/25 20:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*56 - 136*		*06/20/25 20:02*	*1*
Dibromofluoromethane	*102*		*79 - 130*		*06/20/25 20:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*59 - 146*		*06/20/25 20:02*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*06/20/25 20:02*	*1*

Client: S&ME Inc
Job ID: 400-277476-1
Project/Site: Southside Park LF

Client Sample ID: TRIP BLANK 2
Lab Sample ID: 400-277476-14
Date Collected: 06/12/25 00:00
Matrix: Water
Date Received: 06/12/25 09:40

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			06/20/25 20:23	1
Benzene	ND		1.00	0.500	ug/L			06/20/25 20:23	1
Bromobenzene	ND		1.00	0.540	ug/L			06/20/25 20:23	1
Bromoform	ND		5.00	0.250	ug/L			06/20/25 20:23	1
Bromomethane	ND		1.00	0.980	ug/L			06/20/25 20:23	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/20/25 20:23	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/20/25 20:23	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/20/25 20:23	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/20/25 20:23	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/20/25 20:23	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/20/25 20:23	1
Chloroethane	ND		1.00	0.760	ug/L			06/20/25 20:23	1
Chloroform	ND		1.00	0.900	ug/L			06/20/25 20:23	1
Chloromethane	ND		1.00	0.400	ug/L			06/20/25 20:23	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/20/25 20:23	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/20/25 20:23	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/20/25 20:23	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/20/25 20:23	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/20/25 20:23	1
Dibromomethane	ND		5.00	0.220	ug/L			06/20/25 20:23	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/20/25 20:23	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/20/25 20:23	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/20/25 20:23	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/20/25 20:23	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/20/25 20:23	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/20/25 20:23	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/20/25 20:23	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 20:23	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 20:23	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 20:23	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/20/25 20:23	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/20/25 20:23	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/20/25 20:23	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/20/25 20:23	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			06/20/25 20:23	1
Hexane	ND		1.00	0.960	ug/L			06/20/25 20:23	1
2-Hexanone	ND		25.0	4.26	ug/L			06/20/25 20:23	1
Iodomethane	ND		1.00	0.900	ug/L			06/20/25 20:23	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/20/25 20:23	1
Isopropyl ether	ND	*+	1.00	0.740	ug/L			06/20/25 20:23	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/20/25 20:23	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/20/25 20:23	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/20/25 20:23	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/20/25 20:23	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/20/25 20:23	1
Naphthalene	ND		5.00	3.00	ug/L			06/20/25 20:23	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/20/25 20:23	1
n-Heptane	ND		1.00	0.210	ug/L			06/20/25 20:23	1
N-Propylbenzene	ND		1.00	0.690	ug/L			06/20/25 20:23	1

Client: S&ME Inc
Job ID: 400-277476-1
Project/Site: Southside Park LF

Client Sample ID: TRIP BLANK 2
Lab Sample ID: 400-277476-14
Date Collected: 06/12/25 00:00
Matrix: Water
Date Received: 06/12/25 09:40

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			06/20/25 20:23	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/20/25 20:23	1
Styrene	ND		1.00	1.00	ug/L			06/20/25 20:23	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/20/25 20:23	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/20/25 20:23	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/20/25 20:23	1
Tetrachloroethene	ND		1.00	0.330	ug/L			06/20/25 20:23	1
Toluene	ND		1.00	0.900	ug/L			06/20/25 20:23	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/20/25 20:23	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/20/25 20:23	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/20/25 20:23	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/20/25 20:23	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/20/25 20:23	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/20/25 20:23	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/20/25 20:23	1
Trichloroethene	ND		1.00	0.150	ug/L			06/20/25 20:23	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			06/20/25 20:23	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/20/25 20:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/20/25 20:23	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/20/25 20:23	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/20/25 20:23	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/20/25 20:23	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/20/25 20:23	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/20/25 20:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*56 - 136*		*06/20/25 20:23*	*1*
Dibromofluoromethane	*104*		*79 - 130*		*06/20/25 20:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*59 - 146*		*06/20/25 20:23*	*1*
Toluene-d8 (Surr)	*95*		*64 - 132*		*06/20/25 20:23*	*1*

Client: S&ME Inc
Job ID: 400-277476-1
Project/Site: Southside Park LF

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
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
H3	Sample was received and analyzed past holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points

Glossary (Continued)

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

Surrogate Summary

Client: S&ME Inc
Project/Site: Southside Park LF

Job ID: 400-277476-1

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)
400-277476-1	MW-1	103	100	112	100
400-277476-2	MW-2	103	101	114	98
400-277476-3	MW-3	100	104	116	98
400-277476-4	MW-4	103	104	116	100
400-277476-5	MW-5	104	103	115	98
400-277476-6	MW-6	101	107	114	98
400-277476-7	MW-7	104	105	117	99
400-277476-8	MW-8	103	105	113	97
400-277476-9	MW-9	105	103	115	99
400-277476-10	MW-10	103	101	112	98
400-277476-11	DUP-692025	100	106	112	97
400-277476-12	DUP-6102025	100	100	113	96
400-277476-13	TRIP BLANK 1	106	102	115	101
400-277476-14	TRIP BLANK 2	102	104	114	95
LCS 400-713507/1002	Lab Control Sample	103	100	105	100
LCS 400-713703/1002	Lab Control Sample	103	101	106	100
MB 400-713507/5	Method Blank	101	103	110	100
MB 400-713703/5	Method Blank	102	106	114	99

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)
400-277476-1	MW-1	60	67	75	67	82	48
400-277476-2	MW-2	69	59	82	63	84	48
400-277476-3	MW-3	70	61	79	67	82	56
400-277476-4	MW-4	70	58	75	62	81	51
400-277476-5	MW-5	55	58	68	62	74	36
400-277476-6	MW-6	65	59	75	59	82	45
400-277476-7	MW-7	65	65	81	70	89	45
400-277476-8	MW-8	71	74	88	77	100	43
400-277476-9	MW-9	62	65	68	70	70	47
400-277476-10	MW-10	67	67	73	68	82	42
400-277476-11	DUP-692025	64	69	74	69	83	33
400-277476-12	DUP-6102025	90	71	101	77	113	50
LCS 400-712641/2-A	Lab Control Sample	76	64	88	65	105	57
LCSD 400-712641/3-A	Lab Control Sample Dup	73	60	88	65	106	64
MB 400-712641/1-A	Method Blank	62	62	78	66	88	66

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)

Surrogate Summary

Client: S&ME Inc
Job ID: 400-277476-1
Project/Site: Southside Park LF

NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

GC/MS VOA

Analysis Batch: 713507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277476-1	MW-1	Total/NA	Water	8260D	
400-277476-2	MW-2	Total/NA	Water	8260D	
400-277476-4	MW-4	Total/NA	Water	8260D	
400-277476-5	MW-5	Total/NA	Water	8260D	
400-277476-7	MW-7	Total/NA	Water	8260D	
400-277476-8	MW-8	Total/NA	Water	8260D	
400-277476-9	MW-9	Total/NA	Water	8260D	
400-277476-10	MW-10	Total/NA	Water	8260D	
400-277476-12	DUP-6102025	Total/NA	Water	8260D	
400-277476-13	TRIP BLANK 1	Total/NA	Water	8260D	
400-277476-14	TRIP BLANK 2	Total/NA	Water	8260D	
MB 400-713507/5	Method Blank	Total/NA	Water	8260D	
LCS 400-713507/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 713703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277476-3	MW-3	Total/NA	Water	8260D	
400-277476-6	MW-6	Total/NA	Water	8260D	
400-277476-11	DUP-692025	Total/NA	Water	8260D	
MB 400-713703/5	Method Blank	Total/NA	Water	8260D	
LCS 400-713703/1002	Lab Control Sample	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 712641

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277476-1	MW-1	Total/NA	Water	3511	
400-277476-2	MW-2	Total/NA	Water	3511	
400-277476-3	MW-3	Total/NA	Water	3511	
400-277476-4	MW-4	Total/NA	Water	3511	
400-277476-5	MW-5	Total/NA	Water	3511	
400-277476-6	MW-6	Total/NA	Water	3511	
400-277476-7	MW-7	Total/NA	Water	3511	
400-277476-8	MW-8	Total/NA	Water	3511	
400-277476-9	MW-9	Total/NA	Water	3511	
400-277476-10	MW-10	Total/NA	Water	3511	
400-277476-11	DUP-692025	Total/NA	Water	3511	
400-277476-12	DUP-6102025	Total/NA	Water	3511	
MB 400-712641/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-712641/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-712641/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

Prep Batch: 712753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277476-1	MW-1	Total/NA	Water	3510C	
400-277476-2	MW-2	Total/NA	Water	3510C	
400-277476-3	MW-3	Total/NA	Water	3510C	
400-277476-4	MW-4	Total/NA	Water	3510C	
400-277476-5	MW-5	Total/NA	Water	3510C	
400-277476-7	MW-7	Total/NA	Water	3510C	
400-277476-8	MW-8	Total/NA	Water	3510C	

GC/MS Semi VOA (Continued)

Prep Batch: 712753 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277476-9	MW-9	Total/NA	Water	3510C	
400-277476-10	MW-10	Total/NA	Water	3510C	
400-277476-11	DUP-692025	Total/NA	Water	3510C	
400-277476-12	DUP-6102025	Total/NA	Water	3510C	
MB 400-712753/1-A	Method Blank	Total/NA	Water	3510C	
LCS 400-712753/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 400-712753/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 712866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277476-1	MW-1	Total/NA	Water	8270E	712641
400-277476-2	MW-2	Total/NA	Water	8270E	712641
400-277476-3	MW-3	Total/NA	Water	8270E	712641
400-277476-4	MW-4	Total/NA	Water	8270E	712641
400-277476-5	MW-5	Total/NA	Water	8270E	712641
400-277476-6	MW-6	Total/NA	Water	8270E	712641
400-277476-7	MW-7	Total/NA	Water	8270E	712641
400-277476-8	MW-8	Total/NA	Water	8270E	712641
400-277476-9	MW-9	Total/NA	Water	8270E	712641
400-277476-10	MW-10	Total/NA	Water	8270E	712641
400-277476-11	DUP-692025	Total/NA	Water	8270E	712641
400-277476-12	DUP-6102025	Total/NA	Water	8270E	712641
MB 400-712641/1-A	Method Blank	Total/NA	Water	8270E	712641
LCS 400-712641/2-A	Lab Control Sample	Total/NA	Water	8270E	712641
LCSD 400-712641/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	712641

Prep Batch: 712935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277476-6	MW-6	Total/NA	Water	3510C	
MB 400-712935/1-A	Method Blank	Total/NA	Water	3510C	
LCS 400-712935/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 400-712935/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 713352

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277476-6	MW-6	Total/NA	Water	8270E SIM ID	712935
MB 400-712935/1-A	Method Blank	Total/NA	Water	8270E SIM ID	712935
LCS 400-712935/2-A	Lab Control Sample	Total/NA	Water	8270E SIM ID	712935
LCSD 400-712935/3-A	Lab Control Sample Dup	Total/NA	Water	8270E SIM ID	712935

Analysis Batch: 713592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277476-1	MW-1	Total/NA	Water	8270E SIM ID	712753
400-277476-2	MW-2	Total/NA	Water	8270E SIM ID	712753
400-277476-3	MW-3	Total/NA	Water	8270E SIM ID	712753
400-277476-4	MW-4	Total/NA	Water	8270E SIM ID	712753
400-277476-5	MW-5	Total/NA	Water	8270E SIM ID	712753
400-277476-7	MW-7	Total/NA	Water	8270E SIM ID	712753
400-277476-8	MW-8	Total/NA	Water	8270E SIM ID	712753
400-277476-9	MW-9	Total/NA	Water	8270E SIM ID	712753
400-277476-10	MW-10	Total/NA	Water	8270E SIM ID	712753

GC/MS Semi VOA (Continued)

Analysis Batch: 713592 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277476-11	DUP-692025	Total/NA	Water	8270E SIM ID	712753
400-277476-12	DUP-6102025	Total/NA	Water	8270E SIM ID	712753
MB 400-712753/1-A	Method Blank	Total/NA	Water	8270E SIM ID	712753
LCS 400-712753/2-A	Lab Control Sample	Total/NA	Water	8270E SIM ID	712753
LCSD 400-712753/3-A	Lab Control Sample Dup	Total/NA	Water	8270E SIM ID	712753

HPLC/IC

Analysis Batch: 712619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277476-1	MW-1	Total/NA	Water	9056A	
400-277476-2	MW-2	Total/NA	Water	9056A	
400-277476-4	MW-4	Total/NA	Water	9056A	
400-277476-5	MW-5	Total/NA	Water	9056A	
400-277476-6	MW-6	Total/NA	Water	9056A	
400-277476-8	MW-8	Total/NA	Water	9056A	
400-277476-10	MW-10	Total/NA	Water	9056A	
400-277476-11	DUP-692025	Total/NA	Water	9056A	
400-277476-12	DUP-6102025	Total/NA	Water	9056A	
MB 400-712619/5	Method Blank	Total/NA	Water	9056A	
LCS 400-712619/6	Lab Control Sample	Total/NA	Water	9056A	

Analysis Batch: 712767

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277476-3	MW-3	Total/NA	Water	9056A	
400-277476-7	MW-7	Total/NA	Water	9056A	
400-277476-9	MW-9	Total/NA	Water	9056A	
MB 400-712767/5	Method Blank	Total/NA	Water	9056A	
LCS 400-712767/6	Lab Control Sample	Total/NA	Water	9056A	

Metals

Prep Batch: 883668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277476-1	MW-1	Total Recoverable	Water	3005A	
400-277476-2	MW-2	Total Recoverable	Water	3005A	
400-277476-3	MW-3	Total Recoverable	Water	3005A	
400-277476-4	MW-4	Total Recoverable	Water	3005A	
400-277476-5	MW-5	Total Recoverable	Water	3005A	
400-277476-6	MW-6	Total Recoverable	Water	3005A	
400-277476-7	MW-7	Total Recoverable	Water	3005A	
400-277476-8	MW-8	Total Recoverable	Water	3005A	
400-277476-9	MW-9	Total Recoverable	Water	3005A	
400-277476-10	MW-10	Total Recoverable	Water	3005A	
400-277476-11	DUP-692025	Total Recoverable	Water	3005A	
400-277476-12	DUP-6102025	Total Recoverable	Water	3005A	
MB 680-883668/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-883668/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
400-277476-3 MS	MW-3	Total Recoverable	Water	3005A	
400-277476-3 MSD	MW-3	Total Recoverable	Water	3005A	

Metals

Analysis Batch: 883792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277476-1	MW-1	Total Recoverable	Water	6020B	883668
400-277476-2	MW-2	Total Recoverable	Water	6020B	883668
400-277476-3	MW-3	Total Recoverable	Water	6020B	883668
400-277476-4	MW-4	Total Recoverable	Water	6020B	883668
400-277476-5	MW-5	Total Recoverable	Water	6020B	883668
400-277476-6	MW-6	Total Recoverable	Water	6020B	883668
400-277476-7	MW-7	Total Recoverable	Water	6020B	883668
400-277476-8	MW-8	Total Recoverable	Water	6020B	883668
400-277476-9	MW-9	Total Recoverable	Water	6020B	883668
400-277476-10	MW-10	Total Recoverable	Water	6020B	883668
400-277476-12	DUP-6102025	Total Recoverable	Water	6020B	883668
MB 680-883668/1-A	Method Blank	Total Recoverable	Water	6020B	883668
LCS 680-883668/2-A	Lab Control Sample	Total Recoverable	Water	6020B	883668
400-277476-3 MS	MW-3	Total Recoverable	Water	6020B	883668
400-277476-3 MSD	MW-3	Total Recoverable	Water	6020B	883668

Analysis Batch: 883818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277476-11	DUP-692025	Total Recoverable	Water	6020B	883668

Prep Batch: 883897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277476-1	MW-1	Total/NA	Water	7470A	
400-277476-2	MW-2	Total/NA	Water	7470A	
400-277476-3	MW-3	Total/NA	Water	7470A	
400-277476-4	MW-4	Total/NA	Water	7470A	
400-277476-5	MW-5	Total/NA	Water	7470A	
400-277476-6	MW-6	Total/NA	Water	7470A	
400-277476-7	MW-7	Total/NA	Water	7470A	
400-277476-8	MW-8	Total/NA	Water	7470A	
400-277476-9	MW-9	Total/NA	Water	7470A	
400-277476-10	MW-10	Total/NA	Water	7470A	
400-277476-11	DUP-692025	Total/NA	Water	7470A	
400-277476-12	DUP-6102025	Total/NA	Water	7470A	
MB 680-883897/12-A	Method Blank	Total/NA	Water	7470A	
LCS 680-883897/13-A	Lab Control Sample	Total/NA	Water	7470A	
400-277476-1 MS	MW-1	Total/NA	Water	7470A	
400-277476-1 MSD	MW-1	Total/NA	Water	7470A	
400-277476-2 MS	MW-2	Total/NA	Water	7470A	
400-277476-2 MSD	MW-2	Total/NA	Water	7470A	

Analysis Batch: 883912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277476-1	MW-1	Total/NA	Water	7470A	883897
400-277476-2	MW-2	Total/NA	Water	7470A	883897
400-277476-3	MW-3	Total/NA	Water	7470A	883897
400-277476-4	MW-4	Total/NA	Water	7470A	883897
400-277476-5	MW-5	Total/NA	Water	7470A	883897
400-277476-6	MW-6	Total/NA	Water	7470A	883897
400-277476-7	MW-7	Total/NA	Water	7470A	883897
400-277476-8	MW-8	Total/NA	Water	7470A	883897

Metals (Continued)

Analysis Batch: 883912 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277476-9	MW-9	Total/NA	Water	7470A	883897
400-277476-10	MW-10	Total/NA	Water	7470A	883897
400-277476-11	DUP-692025	Total/NA	Water	7470A	883897
400-277476-12	DUP-6102025	Total/NA	Water	7470A	883897
MB 680-883897/12-A	Method Blank	Total/NA	Water	7470A	883897
LCS 680-883897/13-A	Lab Control Sample	Total/NA	Water	7470A	883897
400-277476-1 MS	MW-1	Total/NA	Water	7470A	883897
400-277476-1 MSD	MW-1	Total/NA	Water	7470A	883897
400-277476-2 MS	MW-2	Total/NA	Water	7470A	883897
400-277476-2 MSD	MW-2	Total/NA	Water	7470A	883897

General Chemistry

Analysis Batch: 712695

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277476-1	MW-1	Total/NA	Water	SM 4500 NO2 B	
400-277476-2	MW-2	Total/NA	Water	SM 4500 NO2 B	
400-277476-3	MW-3	Total/NA	Water	SM 4500 NO2 B	
400-277476-4	MW-4	Total/NA	Water	SM 4500 NO2 B	
400-277476-5	MW-5	Total/NA	Water	SM 4500 NO2 B	
400-277476-6	MW-6	Total/NA	Water	SM 4500 NO2 B	
400-277476-7	MW-7	Total/NA	Water	SM 4500 NO2 B	
400-277476-8	MW-8	Total/NA	Water	SM 4500 NO2 B	
400-277476-9	MW-9	Total/NA	Water	SM 4500 NO2 B	
400-277476-10	MW-10	Total/NA	Water	SM 4500 NO2 B	
400-277476-11	DUP-692025	Total/NA	Water	SM 4500 NO2 B	
400-277476-12	DUP-6102025	Total/NA	Water	SM 4500 NO2 B	
MB 400-712695/13	Method Blank	Total/NA	Water	SM 4500 NO2 B	
LCS 400-712695/14	Lab Control Sample	Total/NA	Water	SM 4500 NO2 B	
MRL 400-712695/15	Lab Control Sample	Total/NA	Water	SM 4500 NO2 B	
400-277476-1 MS	MW-1	Total/NA	Water	SM 4500 NO2 B	
400-277476-1 MSD	MW-1	Total/NA	Water	SM 4500 NO2 B	
400-277476-11 MS	DUP-692025	Total/NA	Water	SM 4500 NO2 B	
400-277476-11 MSD	DUP-692025	Total/NA	Water	SM 4500 NO2 B	

Analysis Batch: 712979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277476-1	MW-1	Total/NA	Water	SM 4500 NO3 F	
400-277476-2	MW-2	Total/NA	Water	SM 4500 NO3 F	
400-277476-3	MW-3	Total/NA	Water	SM 4500 NO3 F	
400-277476-4	MW-4	Total/NA	Water	SM 4500 NO3 F	
400-277476-5	MW-5	Total/NA	Water	SM 4500 NO3 F	
400-277476-6	MW-6	Total/NA	Water	SM 4500 NO3 F	
400-277476-7	MW-7	Total/NA	Water	SM 4500 NO3 F	
400-277476-8	MW-8	Total/NA	Water	SM 4500 NO3 F	
400-277476-10	MW-10	Total/NA	Water	SM 4500 NO3 F	
400-277476-11	DUP-692025	Total/NA	Water	SM 4500 NO3 F	
400-277476-12	DUP-6102025	Total/NA	Water	SM 4500 NO3 F	
MB 400-712979/16	Method Blank	Total/NA	Water	SM 4500 NO3 F	
LCS 400-712979/17	Lab Control Sample	Total/NA	Water	SM 4500 NO3 F	
MRL 400-712979/18	Lab Control Sample	Total/NA	Water	SM 4500 NO3 F	

General Chemistry (Continued)

Analysis Batch: 712979 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277476-1 MS	MW-1	Total/NA	Water	SM 4500 NO3 F	
400-277476-1 MSD	MW-1	Total/NA	Water	SM 4500 NO3 F	
400-277476-11 MS	DUP-692025	Total/NA	Water	SM 4500 NO3 F	
400-277476-11 MSD	DUP-692025	Total/NA	Water	SM 4500 NO3 F	

Analysis Batch: 713051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277476-1	MW-1	Total/NA	Water	Nitrate by calc	
400-277476-2	MW-2	Total/NA	Water	Nitrate by calc	
400-277476-3	MW-3	Total/NA	Water	Nitrate by calc	
400-277476-4	MW-4	Total/NA	Water	Nitrate by calc	
400-277476-5	MW-5	Total/NA	Water	Nitrate by calc	
400-277476-6	MW-6	Total/NA	Water	Nitrate by calc	
400-277476-7	MW-7	Total/NA	Water	Nitrate by calc	
400-277476-8	MW-8	Total/NA	Water	Nitrate by calc	
400-277476-9	MW-9	Total/NA	Water	Nitrate by calc	
400-277476-10	MW-10	Total/NA	Water	Nitrate by calc	
400-277476-11	DUP-692025	Total/NA	Water	Nitrate by calc	
400-277476-12	DUP-6102025	Total/NA	Water	Nitrate by calc	

Analysis Batch: 713079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277476-1	MW-1	Total/NA	Water	350.1	
400-277476-2	MW-2	Total/NA	Water	350.1	
400-277476-3	MW-3	Total/NA	Water	350.1	
400-277476-5	MW-5	Total/NA	Water	350.1	
400-277476-7	MW-7	Total/NA	Water	350.1	
400-277476-8	MW-8	Total/NA	Water	350.1	
400-277476-9	MW-9	Total/NA	Water	350.1	
400-277476-10	MW-10	Total/NA	Water	350.1	
400-277476-12	DUP-6102025	Total/NA	Water	350.1	
MB 400-713079/63	Method Blank	Total/NA	Water	350.1	
LCS 400-713079/64	Lab Control Sample	Total/NA	Water	350.1	
MRL 400-713079/19	Lab Control Sample	Total/NA	Water	350.1	
400-277476-1 MS	MW-1	Total/NA	Water	350.1	
400-277476-1 MSD	MW-1	Total/NA	Water	350.1	

Analysis Batch: 713258

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277476-4	MW-4	Total/NA	Water	350.1	
400-277476-6	MW-6	Total/NA	Water	350.1	
400-277476-11	DUP-692025	Total/NA	Water	350.1	
MB 400-713258/24	Method Blank	Total/NA	Water	350.1	
LCS 400-713258/25	Lab Control Sample	Total/NA	Water	350.1	
MRL 400-713258/19	Lab Control Sample	Total/NA	Water	350.1	

Analysis Batch: 713259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277476-9	MW-9	Total/NA	Water	SM 4500 NO3 F	
MB 400-713259/47	Method Blank	Total/NA	Water	SM 4500 NO3 F	
MB 400-713259/61	Method Blank	Total/NA	Water	SM 4500 NO3 F	

General Chemistry (Continued)

Analysis Batch: 713259 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-713259/17	Lab Control Sample	Total/NA	Water	SM 4500 NO3 F	
LCS 400-713259/48	Lab Control Sample	Total/NA	Water	SM 4500 NO3 F	
MRL 400-713259/62	Lab Control Sample	Total/NA	Water	SM 4500 NO3 F	

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

Lab Sample ID: MB 400-713507/5
Matrix: Water
Analysis Batch: 713507

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			06/20/25 11:48	1
Benzene	ND		1.00	0.500	ug/L			06/20/25 11:48	1
Bromobenzene	ND		1.00	0.540	ug/L			06/20/25 11:48	1
Bromoform	ND		5.00	0.250	ug/L			06/20/25 11:48	1
Bromomethane	ND		1.00	0.980	ug/L			06/20/25 11:48	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/20/25 11:48	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/20/25 11:48	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/20/25 11:48	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/20/25 11:48	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/20/25 11:48	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/20/25 11:48	1
Chloroethane	ND		1.00	0.760	ug/L			06/20/25 11:48	1
Chloroform	ND		1.00	0.900	ug/L			06/20/25 11:48	1
Chloromethane	ND		1.00	0.400	ug/L			06/20/25 11:48	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/20/25 11:48	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/20/25 11:48	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/20/25 11:48	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/20/25 11:48	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/20/25 11:48	1
Dibromomethane	ND		5.00	0.220	ug/L			06/20/25 11:48	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/20/25 11:48	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/20/25 11:48	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/20/25 11:48	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/20/25 11:48	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/20/25 11:48	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/20/25 11:48	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/20/25 11:48	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 11:48	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 11:48	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 11:48	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/20/25 11:48	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/20/25 11:48	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/20/25 11:48	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/20/25 11:48	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			06/20/25 11:48	1
Hexane	ND		1.00	0.960	ug/L			06/20/25 11:48	1
2-Hexanone	ND		25.0	4.26	ug/L			06/20/25 11:48	1
Iodomethane	ND		1.00	0.900	ug/L			06/20/25 11:48	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/20/25 11:48	1
Isopropyl ether	ND		1.00	0.740	ug/L			06/20/25 11:48	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/20/25 11:48	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/20/25 11:48	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/20/25 11:48	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/20/25 11:48	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/20/25 11:48	1
Naphthalene	ND		5.00	3.00	ug/L			06/20/25 11:48	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/20/25 11:48	1
n-Heptane	ND		1.00	0.210	ug/L			06/20/25 11:48	1

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

Lab Sample ID: MB 400-713507/5
Matrix: Water
Analysis Batch: 713507

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			06/20/25 11:48	1
o-Xylene	ND		5.00	3.00	ug/L			06/20/25 11:48	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/20/25 11:48	1
Styrene	ND		1.00	1.00	ug/L			06/20/25 11:48	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/20/25 11:48	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/20/25 11:48	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/20/25 11:48	1
Tetrachloroethene	ND		1.00	0.330	ug/L			06/20/25 11:48	1
Toluene	ND		1.00	0.900	ug/L			06/20/25 11:48	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/20/25 11:48	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/20/25 11:48	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/20/25 11:48	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/20/25 11:48	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/20/25 11:48	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/20/25 11:48	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/20/25 11:48	1
Trichloroethene	ND		1.00	0.150	ug/L			06/20/25 11:48	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			06/20/25 11:48	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/20/25 11:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/20/25 11:48	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/20/25 11:48	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/20/25 11:48	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/20/25 11:48	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/20/25 11:48	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/20/25 11:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*56 - 136*		*06/20/25 11:48*	*1*
Dibromofluoromethane	*103*		*79 - 130*		*06/20/25 11:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*59 - 146*		*06/20/25 11:48*	*1*
Toluene-d8 (Surr)	*100*		*64 - 132*		*06/20/25 11:48*	*1*

Lab Sample ID: LCS 400-713507/1002
Matrix: Water
Analysis Batch: 713507

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	238.8		ug/L		119	43 - 150
Benzene	50.0	45.05		ug/L		90	70 - 130
Bromobenzene	50.0	45.66		ug/L		91	70 - 132
Bromoform	50.0	50.02		ug/L		100	57 - 140
Bromomethane	50.0	32.01		ug/L		64	10 - 150
2-Butanone (MEK)	200	209.1		ug/L		105	61 - 145
Carbon disulfide	50.0	38.75		ug/L		78	61 - 137
Carbon tetrachloride	50.0	42.55		ug/L		85	61 - 137
Chlorobenzene	50.0	45.62		ug/L		91	70 - 130
Chlorobromomethane	50.0	45.83		ug/L		92	70 - 130
Chlorodibromomethane	50.0	48.57		ug/L		97	67 - 135

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

Lab Sample ID: LCS 400-713507/1002
Matrix: Water
Analysis Batch: 713507

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	43.64		ug/L		87	55 - 141
Chloroform	50.0	45.08		ug/L		90	69 - 130
Chloromethane	50.0	39.39		ug/L		79	58 - 137
2-Chlorotoluene	50.0	47.39		ug/L		95	70 - 130
4-Chlorotoluene	50.0	45.99		ug/L		92	70 - 130
cis-1,2-Dichloroethene	50.0	48.77		ug/L		98	68 - 130
cis-1,3-Dichloropropene	50.0	51.42		ug/L		103	69 - 132
1,2-Dibromo-3-Chloropropane	50.0	49.33		ug/L		99	54 - 135
Dibromomethane	50.0	49.34		ug/L		99	70 - 130
1,2-Dichlorobenzene	50.0	45.71		ug/L		91	67 - 130
1,3-Dichlorobenzene	50.0	44.91		ug/L		90	70 - 130
1,4-Dichlorobenzene	50.0	45.11		ug/L		90	70 - 130
Dichlorobromomethane	50.0	47.06		ug/L		94	67 - 133
1,1-Dichloroethane	50.0	47.52		ug/L		95	70 - 130
1,2-Dichloroethane	50.0	48.67		ug/L		97	69 - 130
1,1-Dichloroethene	50.0	40.57		ug/L		81	63 - 134
1,2-Dichloropropane	50.0	52.42		ug/L		105	70 - 130
1,3-Dichloropropane	50.0	51.84		ug/L		104	70 - 130
2,2-Dichloropropane	50.0	45.97		ug/L		92	52 - 135
1,1-Dichloropropene	50.0	42.60		ug/L		85	70 - 130
Ethyl acetate	100	99.80		ug/L		100	34 - 150
Ethylbenzene	50.0	44.52		ug/L		89	70 - 130
Ethylene Dibromide	50.0	51.66		ug/L		103	70 - 130
Hexachlorobutadiene	50.0	42.61		ug/L		85	53 - 140
Hexane	50.0	44.99		ug/L		90	69 - 130
2-Hexanone	200	249.1		ug/L		125	65 - 137
Iodomethane	50.0	44.45		ug/L		89	27 - 150
Isopropylbenzene	50.0	44.39		ug/L		89	70 - 130
Isopropyl ether	50.0	70.18	*+	ug/L		140	64 - 132
4-Isopropyltoluene	50.0	44.01		ug/L		88	65 - 130
Methylene Chloride	50.0	48.29		ug/L		97	66 - 135
4-Methyl-2-pentanone (MIBK)	200	246.9		ug/L		123	69 - 138
Methyl tert-butyl ether	50.0	49.24		ug/L		98	66 - 130
m-Xylene & p-Xylene	50.0	45.46		ug/L		91	70 - 130
Naphthalene	50.0	50.56		ug/L		101	47 - 149
n-Butylbenzene	50.0	48.61		ug/L		97	67 - 130
n-Heptane	50.0	47.79		ug/L		96	70 - 130
N-Propylbenzene	50.0	44.65		ug/L		89	70 - 130
o-Xylene	50.0	45.72		ug/L		91	70 - 130
sec-Butylbenzene	50.0	44.42		ug/L		89	66 - 130
Styrene	50.0	46.70		ug/L		93	70 - 130
tert-Butylbenzene	50.0	45.11		ug/L		90	64 - 139
1,1,1,2-Tetrachloroethane	50.0	46.97		ug/L		94	67 - 131
1,1,2,2-Tetrachloroethane	50.0	51.93		ug/L		104	70 - 131
Tetrachloroethene	50.0	39.91		ug/L		80	65 - 130
Toluene	50.0	44.02		ug/L		88	70 - 130
trans-1,4-Dichloro-2-butene	50.0	53.22		ug/L		106	57 - 140
trans-1,2-Dichloroethene	50.0	42.31		ug/L		85	70 - 130
trans-1,3-Dichloropropene	50.0	51.24		ug/L		102	63 - 130

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

Lab Sample ID: LCS 400-713507/1002
Matrix: Water
Analysis Batch: 713507

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	48.21		ug/L		96	60 - 138
1,2,4-Trichlorobenzene	50.0	46.40		ug/L		93	60 - 140
1,1,1-Trichloroethane	50.0	42.47		ug/L		85	68 - 130
1,1,2-Trichloroethane	50.0	52.37		ug/L		105	70 - 130
Trichloroethene	50.0	43.40		ug/L		87	70 - 130
Trichlorofluoromethane	50.0	39.59		ug/L		79	65 - 138
1,2,3-Trichloropropane	50.0	47.73		ug/L		95	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	39.37		ug/L		79	60 - 139
1,2,4-Trimethylbenzene	50.0	45.27		ug/L		91	70 - 130
1,3,5-Trimethylbenzene	50.0	44.57		ug/L		89	69 - 130
Vinyl acetate	100	105.1		ug/L		105	26 - 150
Vinyl chloride	50.0	43.55		ug/L		87	59 - 136
Xylenes, Total	100	91.17		ug/L		91	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*56 - 136*
Dibromofluoromethane	*100*		*79 - 130*
1,2-Dichloroethane-d4 (Surr)	*105*		*59 - 146*
Toluene-d8 (Surr)	*100*		*64 - 132*

Lab Sample ID: MB 400-713703/5
Matrix: Water
Analysis Batch: 713703

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			06/23/25 12:08	1
Benzene	ND		1.00	0.500	ug/L			06/23/25 12:08	1
Bromobenzene	ND		1.00	0.540	ug/L			06/23/25 12:08	1
Bromoform	ND		5.00	0.250	ug/L			06/23/25 12:08	1
Bromomethane	ND		1.00	0.980	ug/L			06/23/25 12:08	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/23/25 12:08	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/23/25 12:08	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/23/25 12:08	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/23/25 12:08	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/23/25 12:08	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/23/25 12:08	1
Chloroethane	ND		1.00	0.760	ug/L			06/23/25 12:08	1
Chloroform	ND		1.00	0.900	ug/L			06/23/25 12:08	1
Chloromethane	ND		1.00	0.400	ug/L			06/23/25 12:08	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/23/25 12:08	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/23/25 12:08	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/23/25 12:08	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/23/25 12:08	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/23/25 12:08	1
Dibromomethane	ND		5.00	0.220	ug/L			06/23/25 12:08	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/23/25 12:08	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/23/25 12:08	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/23/25 12:08	1

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

Lab Sample ID: MB 400-713703/5
Matrix: Water
Analysis Batch: 713703

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			06/23/25 12:08	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/23/25 12:08	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/23/25 12:08	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/23/25 12:08	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/23/25 12:08	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/23/25 12:08	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/23/25 12:08	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/23/25 12:08	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/23/25 12:08	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/23/25 12:08	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/23/25 12:08	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			06/23/25 12:08	1
Hexane	ND		1.00	0.960	ug/L			06/23/25 12:08	1
2-Hexanone	ND		25.0	4.26	ug/L			06/23/25 12:08	1
Iodomethane	ND		1.00	0.900	ug/L			06/23/25 12:08	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/23/25 12:08	1
Isopropyl ether	ND		1.00	0.740	ug/L			06/23/25 12:08	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/23/25 12:08	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/23/25 12:08	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/23/25 12:08	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/23/25 12:08	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/23/25 12:08	1
Naphthalene	ND		5.00	3.00	ug/L			06/23/25 12:08	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/23/25 12:08	1
n-Heptane	ND		1.00	0.210	ug/L			06/23/25 12:08	1
N-Propylbenzene	ND		1.00	0.690	ug/L			06/23/25 12:08	1
o-Xylene	ND		5.00	3.00	ug/L			06/23/25 12:08	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/23/25 12:08	1
Styrene	ND		1.00	1.00	ug/L			06/23/25 12:08	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/23/25 12:08	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/23/25 12:08	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/23/25 12:08	1
Tetrachloroethene	ND		1.00	0.330	ug/L			06/23/25 12:08	1
Toluene	ND		1.00	0.900	ug/L			06/23/25 12:08	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/23/25 12:08	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/23/25 12:08	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/23/25 12:08	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/23/25 12:08	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/23/25 12:08	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/23/25 12:08	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/23/25 12:08	1
Trichloroethene	ND		1.00	0.150	ug/L			06/23/25 12:08	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			06/23/25 12:08	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/23/25 12:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/23/25 12:08	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/23/25 12:08	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/23/25 12:08	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/23/25 12:08	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/23/25 12:08	1

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

Lab Sample ID: MB 400-713703/5
Matrix: Water
Analysis Batch: 713703

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			06/23/25 12:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*56 - 136*		*06/23/25 12:08*	*1*
Dibromofluoromethane	*106*		*79 - 130*		*06/23/25 12:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*59 - 146*		*06/23/25 12:08*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*06/23/25 12:08*	*1*

Lab Sample ID: LCS 400-713703/1002
Matrix: Water
Analysis Batch: 713703

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	237.1		ug/L		119	43 - 150
Benzene	50.0	47.09		ug/L		94	70 - 130
Bromobenzene	50.0	49.77		ug/L		100	70 - 132
Bromoform	50.0	53.26		ug/L		107	57 - 140
Bromomethane	50.0	39.29		ug/L		79	10 - 150
2-Butanone (MEK)	200	205.7		ug/L		103	61 - 145
Carbon disulfide	50.0	39.87		ug/L		80	61 - 137
Carbon tetrachloride	50.0	45.92		ug/L		92	61 - 137
Chlorobenzene	50.0	47.52		ug/L		95	70 - 130
Chlorobromomethane	50.0	47.82		ug/L		96	70 - 130
Chlorodibromomethane	50.0	51.68		ug/L		103	67 - 135
Chloroethane	50.0	45.50		ug/L		91	55 - 141
Chloroform	50.0	48.28		ug/L		97	69 - 130
Chloromethane	50.0	40.12		ug/L		80	58 - 137
2-Chlorotoluene	50.0	49.97		ug/L		100	70 - 130
4-Chlorotoluene	50.0	49.94		ug/L		100	70 - 130
cis-1,2-Dichloroethene	50.0	50.87		ug/L		102	68 - 130
cis-1,3-Dichloropropene	50.0	53.47		ug/L		107	69 - 132
1,2-Dibromo-3-Chloropropane	50.0	50.82		ug/L		102	54 - 135
Dibromomethane	50.0	50.78		ug/L		102	70 - 130
1,2-Dichlorobenzene	50.0	50.30		ug/L		101	67 - 130
1,3-Dichlorobenzene	50.0	49.02		ug/L		98	70 - 130
1,4-Dichlorobenzene	50.0	49.41		ug/L		99	70 - 130
Dichlorobromomethane	50.0	49.64		ug/L		99	67 - 133
1,1-Dichloroethane	50.0	50.29		ug/L		101	70 - 130
1,2-Dichloroethane	50.0	50.65		ug/L		101	69 - 130
1,1-Dichloroethene	50.0	43.05		ug/L		86	63 - 134
1,2-Dichloropropane	50.0	55.25		ug/L		111	70 - 130
1,3-Dichloropropane	50.0	53.90		ug/L		108	70 - 130
2,2-Dichloropropane	50.0	48.64		ug/L		97	52 - 135
1,1-Dichloropropene	50.0	44.84		ug/L		90	70 - 130
Ethyl acetate	100	98.71		ug/L		99	34 - 150
Ethylbenzene	50.0	46.71		ug/L		93	70 - 130
Ethylene Dibromide	50.0	53.82		ug/L		108	70 - 130
Hexachlorobutadiene	50.0	45.91		ug/L		92	53 - 140

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

Lab Sample ID: LCS 400-713703/1002
Matrix: Water
Analysis Batch: 713703

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	44.85		ug/L		90	69 - 130
2-Hexanone	200	252.3		ug/L		126	65 - 137
Iodomethane	50.0	40.81		ug/L		82	27 - 150
Isopropylbenzene	50.0	46.43		ug/L		93	70 - 130
Isopropyl ether	50.0	64.18		ug/L		128	64 - 132
4-Isopropyltoluene	50.0	47.78		ug/L		96	65 - 130
Methylene Chloride	50.0	49.19		ug/L		98	66 - 135
4-Methyl-2-pentanone (MIBK)	200	243.8		ug/L		122	69 - 138
Methyl tert-butyl ether	50.0	50.91		ug/L		102	66 - 130
m-Xylene & p-Xylene	50.0	47.02		ug/L		94	70 - 130
Naphthalene	50.0	54.15		ug/L		108	47 - 149
n-Butylbenzene	50.0	50.90		ug/L		102	67 - 130
n-Heptane	50.0	48.07		ug/L		96	70 - 130
N-Propylbenzene	50.0	48.10		ug/L		96	70 - 130
o-Xylene	50.0	47.62		ug/L		95	70 - 130
sec-Butylbenzene	50.0	48.14		ug/L		96	66 - 130
Styrene	50.0	48.78		ug/L		98	70 - 130
tert-Butylbenzene	50.0	49.28		ug/L		99	64 - 139
1,1,1,2-Tetrachloroethane	50.0	50.55		ug/L		101	67 - 131
1,1,2,2-Tetrachloroethane	50.0	55.20		ug/L		110	70 - 131
Tetrachloroethene	50.0	42.10		ug/L		84	65 - 130
Toluene	50.0	46.26		ug/L		93	70 - 130
trans-1,4-Dichloro-2-butene	50.0	56.32		ug/L		113	57 - 140
trans-1,2-Dichloroethene	50.0	44.08		ug/L		88	70 - 130
trans-1,3-Dichloropropene	50.0	55.21		ug/L		110	63 - 130
1,2,3-Trichlorobenzene	50.0	53.11		ug/L		106	60 - 138
1,2,4-Trichlorobenzene	50.0	50.53		ug/L		101	60 - 140
1,1,1-Trichloroethane	50.0	44.81		ug/L		90	68 - 130
1,1,2-Trichloroethane	50.0	55.18		ug/L		110	70 - 130
Trichloroethene	50.0	44.82		ug/L		90	70 - 130
Trichlorofluoromethane	50.0	41.94		ug/L		84	65 - 138
1,2,3-Trichloropropane	50.0	50.70		ug/L		101	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	41.99		ug/L		84	60 - 139
1,2,4-Trimethylbenzene	50.0	49.70		ug/L		99	70 - 130
1,3,5-Trimethylbenzene	50.0	48.60		ug/L		97	69 - 130
Vinyl acetate	100	111.9		ug/L		112	26 - 150
Vinyl chloride	50.0	44.52		ug/L		89	59 - 136
Xylenes, Total	100	94.64		ug/L		95	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*56 - 136*
Dibromofluoromethane	*101*		*79 - 130*
1,2-Dichloroethane-d4 (Surr)	*106*		*59 - 146*
Toluene-d8 (Surr)	*100*		*64 - 132*

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

Lab Sample ID: MB 400-712641/1-A
Matrix: Water
Analysis Batch: 712866

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 712641

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		10.0	0.420	ug/L		06/13/25 07:00	06/16/25 17:59	1
2,4,5-Trichlorophenol	ND		10.0	0.540	ug/L		06/13/25 07:00	06/16/25 17:59	1
2,4,6-Trichlorophenol	ND		10.0	1.09	ug/L		06/13/25 07:00	06/16/25 17:59	1
2,4-Dichlorophenol	ND		10.0	0.570	ug/L		06/13/25 07:00	06/16/25 17:59	1
2,4-Dimethylphenol	ND		10.0	0.240	ug/L		06/13/25 07:00	06/16/25 17:59	1
2,4-Dinitrophenol	ND		30.0	4.68	ug/L		06/13/25 07:00	06/16/25 17:59	1
2,4-Dinitrotoluene	ND		10.0	0.650	ug/L		06/13/25 07:00	06/16/25 17:59	1
2,6-Dinitrotoluene	ND		10.0	0.290	ug/L		06/13/25 07:00	06/16/25 17:59	1
2-Chloronaphthalene	ND		10.0	0.380	ug/L		06/13/25 07:00	06/16/25 17:59	1
2-Chlorophenol	ND		10.0	0.840	ug/L		06/13/25 07:00	06/16/25 17:59	1
2-Methylnaphthalene	ND		10.0	0.810	ug/L		06/13/25 07:00	06/16/25 17:59	1
2-Methylphenol	ND		10.0	0.760	ug/L		06/13/25 07:00	06/16/25 17:59	1
2-Nitroaniline	ND		10.0	1.37	ug/L		06/13/25 07:00	06/16/25 17:59	1
2-Nitrophenol	ND		10.0	1.17	ug/L		06/13/25 07:00	06/16/25 17:59	1
3 & 4 Methylphenol	ND		20.0	4.60	ug/L		06/13/25 07:00	06/16/25 17:59	1
3,3'-Dichlorobenzidine	ND		11.0	0.410	ug/L		06/13/25 07:00	06/16/25 17:59	1
3-Nitroaniline	ND		10.0	0.950	ug/L		06/13/25 07:00	06/16/25 17:59	1
4,6-Dinitro-2-methylphenol	ND		10.0	1.97	ug/L		06/13/25 07:00	06/16/25 17:59	1
4-Bromophenyl phenyl ether	ND		10.0	0.130	ug/L		06/13/25 07:00	06/16/25 17:59	1
4-Chloro-3-methylphenol	ND		10.0	0.730	ug/L		06/13/25 07:00	06/16/25 17:59	1
4-Chloroaniline	ND		10.0	0.280	ug/L		06/13/25 07:00	06/16/25 17:59	1
4-Chlorophenyl phenyl ether	ND		10.0	0.240	ug/L		06/13/25 07:00	06/16/25 17:59	1
4-Nitroaniline	ND		10.0	3.50	ug/L		06/13/25 07:00	06/16/25 17:59	1
4-Nitrophenol	ND		10.0	2.74	ug/L		06/13/25 07:00	06/16/25 17:59	1
Acenaphthene	ND		10.0	0.630	ug/L		06/13/25 07:00	06/16/25 17:59	1
Acenaphthylene	ND		10.0	0.760	ug/L		06/13/25 07:00	06/16/25 17:59	1
Acetophenone	ND		10.0	3.20	ug/L		06/13/25 07:00	06/16/25 17:59	1
Anthracene	ND		10.0	0.910	ug/L		06/13/25 07:00	06/16/25 17:59	1
Atrazine	ND		10.0	1.13	ug/L		06/13/25 07:00	06/16/25 17:59	1
Benzaldehyde	ND		10.0	0.670	ug/L		06/13/25 07:00	06/16/25 17:59	1
Benzo[a]anthracene	ND		10.0	1.00	ug/L		06/13/25 07:00	06/16/25 17:59	1
Benzo[a]pyrene	ND		10.0	1.10	ug/L		06/13/25 07:00	06/16/25 17:59	1
Benzo[b]fluoranthene	ND		10.0	1.20	ug/L		06/13/25 07:00	06/16/25 17:59	1
Benzo[g,h,i]perylene	ND		10.0	1.50	ug/L		06/13/25 07:00	06/16/25 17:59	1
Benzo[k]fluoranthene	ND		10.0	1.50	ug/L		06/13/25 07:00	06/16/25 17:59	1
bis (2-chloroisopropyl) ether	ND		10.0	0.930	ug/L		06/13/25 07:00	06/16/25 17:59	1
Bis(2-chloroethoxy)methane	ND		10.0	0.340	ug/L		06/13/25 07:00	06/16/25 17:59	1
Bis(2-chloroethyl)ether	ND		10.0	0.730	ug/L		06/13/25 07:00	06/16/25 17:59	1
Bis(2-ethylhexyl) phthalate	ND		10.0	4.00	ug/L		06/13/25 07:00	06/16/25 17:59	1
Butyl benzyl phthalate	ND		10.0	4.00	ug/L		06/13/25 07:00	06/16/25 17:59	1
Caprolactam	ND		10.0	2.40	ug/L		06/13/25 07:00	06/16/25 17:59	1
Carbazole	ND		10.0	0.320	ug/L		06/13/25 07:00	06/16/25 17:59	1
Chrysene	ND		10.0	1.20	ug/L		06/13/25 07:00	06/16/25 17:59	1
Dibenz(a,h)anthracene	ND		10.0	1.30	ug/L		06/13/25 07:00	06/16/25 17:59	1
Dibenzofuran	ND		10.0	0.640	ug/L		06/13/25 07:00	06/16/25 17:59	1
Diethyl phthalate	ND		10.0	4.00	ug/L		06/13/25 07:00	06/16/25 17:59	1
Dimethyl phthalate	ND		10.0	4.00	ug/L		06/13/25 07:00	06/16/25 17:59	1
Di-n-butyl phthalate	ND		10.0	4.00	ug/L		06/13/25 07:00	06/16/25 17:59	1

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

Lab Sample ID: MB 400-712641/1-A
Matrix: Water
Analysis Batch: 712866

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 712641

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	ND		10.0	4.00	ug/L		06/13/25 07:00	06/16/25 17:59	1
Fluoranthene	ND		10.0	0.630	ug/L		06/13/25 07:00	06/16/25 17:59	1
Fluorene	ND		10.0	0.670	ug/L		06/13/25 07:00	06/16/25 17:59	1
Hexachlorobenzene	ND		10.0	0.250	ug/L		06/13/25 07:00	06/16/25 17:59	1
Hexachlorobutadiene	ND		10.0	0.550	ug/L		06/13/25 07:00	06/16/25 17:59	1
Hexachlorocyclopentadiene	ND		20.0	0.320	ug/L		06/13/25 07:00	06/16/25 17:59	1
Hexachloroethane	ND		10.0	0.530	ug/L		06/13/25 07:00	06/16/25 17:59	1
Indeno[1,2,3-cd]pyrene	ND		10.0	1.10	ug/L		06/13/25 07:00	06/16/25 17:59	1
Isophorone	ND		10.0	0.800	ug/L		06/13/25 07:00	06/16/25 17:59	1
Naphthalene	ND		10.0	0.750	ug/L		06/13/25 07:00	06/16/25 17:59	1
Nitrobenzene	ND		10.0	0.600	ug/L		06/13/25 07:00	06/16/25 17:59	1
N-Nitrosodi-n-propylamine	ND		10.0	0.330	ug/L		06/13/25 07:00	06/16/25 17:59	1
N-Nitrosodiphenylamine	ND		10.0	0.190	ug/L		06/13/25 07:00	06/16/25 17:59	1
Pentachlorophenol	ND		10.0	2.80	ug/L		06/13/25 07:00	06/16/25 17:59	1
Phenanthrene	ND		10.0	0.740	ug/L		06/13/25 07:00	06/16/25 17:59	1
Phenol	ND		10.0	0.680	ug/L		06/13/25 07:00	06/16/25 17:59	1
Pyrene	ND		10.0	0.630	ug/L		06/13/25 07:00	06/16/25 17:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*62*		*10 - 150*	*06/13/25 07:00*	*06/16/25 17:59*	*1*
2-Fluorobiphenyl (Surr)	*62*		*25 - 139*	*06/13/25 07:00*	*06/16/25 17:59*	*1*
2-Fluorophenol (Surr)	*78*		*10 - 150*	*06/13/25 07:00*	*06/16/25 17:59*	*1*
Nitrobenzene-d5 (Surr)	*66*		*22 - 150*	*06/13/25 07:00*	*06/16/25 17:59*	*1*
Phenol-d5 (Surr)	*88*		*10 - 150*	*06/13/25 07:00*	*06/16/25 17:59*	*1*
Terphenyl-d14 (Surr)	*66*		*28 - 150*	*06/13/25 07:00*	*06/16/25 17:59*	*1*

Lab Sample ID: LCS 400-712641/2-A
Matrix: Water
Analysis Batch: 712866

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 712641

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	33.3	21.07		ug/L		63	27 - 120
2,4,5-Trichlorophenol	33.3	22.09		ug/L		66	27 - 136
2,4,6-Trichlorophenol	33.3	20.93		ug/L		63	21 - 132
2,4-Dichlorophenol	33.3	21.46		ug/L		64	30 - 125
2,4-Dimethylphenol	33.3	20.74		ug/L		62	10 - 142
2,4-Dinitrophenol	66.7	43.59		ug/L		65	10 - 150
2,4-Dinitrotoluene	33.3	25.38		ug/L		76	30 - 129
2,6-Dinitrotoluene	33.3	24.13		ug/L		72	34 - 132
2-Chloronaphthalene	33.3	20.31		ug/L		61	10 - 150
2-Chlorophenol	33.3	22.26		ug/L		67	28 - 127
2-Methylnaphthalene	33.3	18.85		ug/L		57	24 - 110
2-Methylphenol	33.3	23.75		ug/L		71	11 - 121
2-Nitroaniline	33.3	25.19		ug/L		76	31 - 141
2-Nitrophenol	33.3	21.40		ug/L		64	31 - 142
3 & 4 Methylphenol	33.3	29.58		ug/L		89	10 - 150
3,3'-Dichlorobenzidine	33.3	21.28		ug/L		64	10 - 150
3-Nitroaniline	33.3	25.27		ug/L		76	33 - 136

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

Lab Sample ID: LCS 400-712641/2-A
Matrix: Water
Analysis Batch: 712866

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 712641

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,6-Dinitro-2-methylphenol	66.7	48.23		ug/L		72	10 - 150
4-Bromophenyl phenyl ether	33.3	22.99		ug/L		69	24 - 120
4-Chloro-3-methylphenol	33.3	26.15		ug/L		78	10 - 137
4-Chloroaniline	33.3	26.17		ug/L		79	10 - 150
4-Chlorophenyl phenyl ether	33.3	20.77		ug/L		62	31 - 110
4-Nitroaniline	33.3	25.75		ug/L		77	37 - 139
4-Nitrophenol	66.7	60.53		ug/L		91	10 - 150
Acenaphthene	33.3	20.32		ug/L		61	29 - 110
Acenaphthylene	33.3	21.20		ug/L		64	30 - 112
Acetophenone	33.3	19.81		ug/L		59	27 - 119
Anthracene	33.3	24.65		ug/L		74	31 - 120
Atrazine	50.0	40.05		ug/L		80	10 - 150
Benzaldehyde	50.0	32.16		ug/L		64	10 - 150
Benzo[a]anthracene	33.3	27.26		ug/L		82	36 - 118
Benzo[a]pyrene	33.3	25.62		ug/L		77	29 - 120
Benzo[b]fluoranthene	33.3	27.73		ug/L		83	32 - 119
Benzo[g,h,i]perylene	33.3	22.87		ug/L		69	28 - 115
Benzo[k]fluoranthene	33.3	26.71		ug/L		80	30 - 118
bis (2-chloroisopropyl) ether	33.3	20.10		ug/L		60	32 - 115
Bis(2-chloroethoxy)methane	33.3	24.44		ug/L		73	34 - 120
Bis(2-chloroethyl)ether	33.3	21.57		ug/L		65	32 - 114
Bis(2-ethylhexyl) phthalate	33.3	23.61		ug/L		71	24 - 133
Butyl benzyl phthalate	33.3	30.26		ug/L		91	24 - 140
Caprolactam	50.0	39.30		ug/L		79	10 - 150
Carbazole	33.3	23.83		ug/L		71	28 - 123
Chrysene	33.3	26.16		ug/L		78	34 - 113
Dibenz(a,h)anthracene	33.3	21.71		ug/L		65	29 - 117
Dibenzofuran	33.3	24.56		ug/L		74	35 - 110
Diethyl phthalate	33.3	25.35		ug/L		76	31 - 118
Dimethyl phthalate	33.3	25.64		ug/L		77	24 - 125
Di-n-butyl phthalate	33.3	23.86		ug/L		72	30 - 127
Di-n-octyl phthalate	33.3	22.43		ug/L		67	28 - 142
Fluoranthene	33.3	26.13		ug/L		78	30 - 124
Fluorene	33.3	22.61		ug/L		68	30 - 118
Hexachlorobenzene	33.3	23.12		ug/L		69	29 - 113
Hexachlorobutadiene	33.3	11.77		ug/L		35	10 - 117
Hexachlorocyclopentadiene	33.3	15.40	J	ug/L		46	10 - 150
Hexachloroethane	33.3	10.68		ug/L		32	10 - 112
Indeno[1,2,3-cd]pyrene	33.3	23.00		ug/L		69	28 - 115
Isophorone	33.3	20.92		ug/L		63	29 - 125
Naphthalene	33.3	18.09		ug/L		54	27 - 110
Nitrobenzene	33.3	20.47		ug/L		61	29 - 129
N-Nitrosodi-n-propylamine	33.3	23.17		ug/L		70	53 - 134
N-Nitrosodiphenylamine	33.1	23.26		ug/L		70	62 - 132
Pentachlorophenol	66.7	52.25		ug/L		78	14 - 150
Phenanthrene	33.3	24.09		ug/L		72	32 - 115
Phenol	33.3	33.27		ug/L		100	10 - 150
Pyrene	33.3	27.26		ug/L		82	30 - 126

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

Lab Sample ID: LCS 400-712641/2-A
Matrix: Water
Analysis Batch: 712866

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 712641

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	76		10 - 150
2-Fluorobiphenyl (Surr)	64		25 - 139
2-Fluorophenol (Surr)	88		10 - 150
Nitrobenzene-d5 (Surr)	65		22 - 150
Phenol-d5 (Surr)	105		10 - 150
Terphenyl-d14 (Surr)	57		28 - 150

Lab Sample ID: LCSD 400-712641/3-A
Matrix: Water
Analysis Batch: 712866

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 712641

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl			33.3	19.53		ug/L		59	27 - 120	8	40
2,4,5-Trichlorophenol			33.3	24.35		ug/L		73	27 - 136	10	40
2,4,6-Trichlorophenol			33.3	23.78		ug/L		71	21 - 132	13	40
2,4-Dichlorophenol			33.3	24.10		ug/L		72	30 - 125	12	40
2,4-Dimethylphenol			33.3	24.43		ug/L		73	10 - 142	16	40
2,4-Dinitrophenol			66.7	46.11		ug/L		69	10 - 150	6	40
2,4-Dinitrotoluene			33.3	24.77		ug/L		74	30 - 129	2	40
2,6-Dinitrotoluene			33.3	23.89		ug/L		72	34 - 132	1	40
2-Chloronaphthalene			33.3	19.40		ug/L		58	10 - 150	5	40
2-Chlorophenol			33.3	25.92		ug/L		78	28 - 127	15	40
2-Methylnaphthalene			33.3	16.76		ug/L		50	24 - 110	12	40
2-Methylphenol			33.3	27.31		ug/L		82	11 - 121	14	40
2-Nitroaniline			33.3	25.35		ug/L		76	31 - 141	1	40
2-Nitrophenol			33.3	24.04		ug/L		72	31 - 142	12	40
3 & 4 Methylphenol			33.3	33.20		ug/L		100	10 - 150	12	40
3,3'-Dichlorobenzidine			33.3	20.29		ug/L		61	10 - 150	5	40
3-Nitroaniline			33.3	23.38		ug/L		70	33 - 136	8	40
4,6-Dinitro-2-methylphenol			66.7	52.49		ug/L		79	10 - 150	8	40
4-Bromophenyl phenyl ether			33.3	22.84		ug/L		69	24 - 120	1	40
4-Chloro-3-methylphenol			33.3	28.64		ug/L		86	10 - 137	9	40
4-Chloroaniline			33.3	23.69		ug/L		71	10 - 150	10	40
4-Chlorophenyl phenyl ether			33.3	20.01		ug/L		60	31 - 110	4	40
4-Nitroaniline			33.3	25.98		ug/L		78	37 - 139	1	40
4-Nitrophenol			66.7	65.12		ug/L		98	10 - 150	7	40
Acenaphthene			33.3	19.55		ug/L		59	29 - 110	4	40
Acenaphthylene			33.3	20.27		ug/L		61	30 - 112	5	40
Acetophenone			33.3	20.79		ug/L		62	27 - 119	5	40
Anthracene			33.3	24.50		ug/L		74	31 - 120	1	40
Atrazine			50.0	45.81		ug/L		92	10 - 150	13	40
Benzaldehyde			50.0	34.08		ug/L		68	10 - 150	6	40
Benzo[a]anthracene			33.3	26.21		ug/L		79	36 - 118	4	40
Benzo[a]pyrene			33.3	25.23		ug/L		76	29 - 120	2	40
Benzo[b]fluoranthene			33.3	27.87		ug/L		84	32 - 119	1	40
Benzo[g,h,i]perylene			33.3	22.67		ug/L		68	28 - 115	1	40
Benzo[k]fluoranthene			33.3	25.73		ug/L		77	30 - 118	4	40
bis (2-chloroisopropyl) ether			33.3	20.93		ug/L		63	32 - 115	4	40

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

Lab Sample ID: LCSD 400-712641/3-A
Matrix: Water
Analysis Batch: 712866

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 712641

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bis(2-chloroethoxy)methane	33.3	24.92		ug/L		75	34 - 120	2	40
Bis(2-chloroethyl)ether	33.3	22.66		ug/L		68	32 - 114	5	40
Bis(2-ethylhexyl) phthalate	33.3	23.69		ug/L		71	24 - 133	0	40
Butyl benzyl phthalate	33.3	24.29		ug/L		73	24 - 140	22	40
Caprolactam	50.0	54.21		ug/L		108	10 - 150	32	40
Carbazole	33.3	23.90		ug/L		72	28 - 123	0	40
Chrysene	33.3	24.98		ug/L		75	34 - 113	5	40
Dibenz(a,h)anthracene	33.3	21.47		ug/L		64	29 - 117	1	40
Dibenzofuran	33.3	23.80		ug/L		71	35 - 110	3	40
Diethyl phthalate	33.3	19.72		ug/L		59	31 - 118	25	40
Dimethyl phthalate	33.3	20.30		ug/L		61	24 - 125	23	40
Di-n-butyl phthalate	33.3	21.60		ug/L		65	30 - 127	10	40
Di-n-octyl phthalate	33.3	21.67		ug/L		65	28 - 142	3	40
Fluoranthene	33.3	25.98		ug/L		78	30 - 124	1	40
Fluorene	33.3	22.16		ug/L		66	30 - 118	2	40
Hexachlorobenzene	33.3	22.72		ug/L		68	29 - 113	2	40
Hexachlorobutadiene	33.3	6.720	J *1	ug/L		20	10 - 117	55	40
Hexachlorocyclopentadiene	33.3	9.849	J *1	ug/L		30	10 - 150	44	40
Hexachloroethane	33.3	8.246	J	ug/L		25	10 - 112	26	40
Indeno[1,2,3-cd]pyrene	33.3	23.02		ug/L		69	28 - 115	0	40
Isophorone	33.3	21.59		ug/L		65	29 - 125	3	40
Naphthalene	33.3	16.03		ug/L		48	27 - 110	12	40
Nitrobenzene	33.3	21.66		ug/L		65	29 - 129	6	40
N-Nitrosodi-n-propylamine	33.3	23.89		ug/L		72	53 - 134	3	40
N-Nitrosodiphenylamine	33.1	22.82		ug/L		69	62 - 132	2	40
Pentachlorophenol	66.7	57.08		ug/L		86	14 - 150	9	40
Phenanthrene	33.3	23.90		ug/L		72	32 - 115	1	40
Phenol	33.3	37.33		ug/L		112	10 - 150	12	40
Pyrene	33.3	27.23		ug/L		82	30 - 126	0	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*73*		*10 - 150*
2-Fluorobiphenyl (Surr)	*60*		*25 - 139*
2-Fluorophenol (Surr)	*88*		*10 - 150*
Nitrobenzene-d5 (Surr)	*65*		*22 - 150*
Phenol-d5 (Surr)	*106*		*10 - 150*
Terphenyl-d14 (Surr)	*64*		*28 - 150*

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

Lab Sample ID: MB 400-712753/1-A
Matrix: Water
Analysis Batch: 713592

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 712753

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.300	0.300	ug/L		06/13/25 07:00	06/20/25 16:16	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*25*		*10 - 140*	*06/13/25 07:00*	*06/20/25 16:16*	*1*

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

Lab Sample ID: LCS 400-712753/2-A
Matrix: Water
Analysis Batch: 713592

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 712753

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane			16.0	16.44		ug/L		103	30 - 150		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Dioxane-d8	*25*		*10 - 140*

Lab Sample ID: LCSD 400-712753/3-A
Matrix: Water
Analysis Batch: 713592

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 712753

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane			16.0	16.69		ug/L		104	30 - 150	2	

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,4-Dioxane-d8	*24*		*10 - 140*

Lab Sample ID: MB 400-712935/1-A
Matrix: Water
Analysis Batch: 713352

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 712935

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.300	0.300	ug/L		06/16/25 07:00	06/19/25 14:17	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*15*		*10 - 140*	*06/16/25 07:00*	*06/19/25 14:17*	*1*

Lab Sample ID: LCS 400-712935/2-A
Matrix: Water
Analysis Batch: 713352

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 712935

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane			16.0	17.08		ug/L		107	30 - 150		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Dioxane-d8	*17*		*10 - 140*

Lab Sample ID: LCSD 400-712935/3-A
Matrix: Water
Analysis Batch: 713352

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 712935

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane			16.0	17.18		ug/L		107	30 - 150	1	

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,4-Dioxane-d8	*18*		*10 - 140*

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 400-712619/5
Matrix: Water
Analysis Batch: 712619

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			06/12/25 19:02	1

Lab Sample ID: LCS 400-712619/6
Matrix: Water
Analysis Batch: 712619

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	9.833		mg/L		98	90 - 110

Lab Sample ID: MB 400-712767/5
Matrix: Water
Analysis Batch: 712767

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			06/13/25 19:07	1

Lab Sample ID: LCS 400-712767/6
Matrix: Water
Analysis Batch: 712767

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	9.741		mg/L		97	90 - 110

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-883668/1-A
Matrix: Water
Analysis Batch: 883792

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 883668

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	0.340	ug/L		06/16/25 05:29	06/17/25 11:46	1
Arsenic	ND		3.00	0.860	ug/L		06/16/25 05:29	06/17/25 11:46	1
Barium	ND		5.00	0.890	ug/L		06/16/25 05:29	06/17/25 11:46	1
Beryllium	ND		0.500	0.200	ug/L		06/16/25 05:29	06/17/25 11:46	1
Cadmium	ND		0.500	0.0780	ug/L		06/16/25 05:29	06/17/25 11:46	1
Chromium	ND		5.00	1.20	ug/L		06/16/25 05:29	06/17/25 11:46	1
Cobalt	ND		0.500	0.220	ug/L		06/16/25 05:29	06/17/25 11:46	1
Copper	ND		5.00	1.08	ug/L		06/16/25 05:29	06/17/25 11:46	1
Lead	ND		2.50	0.210	ug/L		06/16/25 05:29	06/17/25 11:46	1
Manganese	ND		5.00	2.20	ug/L		06/16/25 05:29	06/17/25 11:46	1
Nickel	ND		5.00	0.420	ug/L		06/16/25 05:29	06/17/25 11:46	1
Selenium	ND		2.50	0.990	ug/L		06/16/25 05:29	06/17/25 11:46	1
Silver	ND		1.00	0.390	ug/L		06/16/25 05:29	06/17/25 11:46	1
Thallium	ND		1.00	0.260	ug/L		06/16/25 05:29	06/17/25 11:46	1
Vanadium	ND		10.0	0.630	ug/L		06/16/25 05:29	06/17/25 11:46	1
Zinc	ND		20.0	2.80	ug/L		06/16/25 05:29	06/17/25 11:46	1

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

Lab Sample ID: LCS 680-883668/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total Recoverable
Analysis Batch: 883792
Prep Batch: 883668

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	50.0	51.00		ug/L		102	80 - 120
Arsenic	100	103.4		ug/L		103	80 - 120
Barium	100	100.2		ug/L		100	80 - 120
Beryllium	50.0	55.26		ug/L		111	80 - 120
Cadmium	50.0	52.98		ug/L		106	80 - 120
Chromium	100	103.7		ug/L		104	80 - 120
Cobalt	50.0	53.49		ug/L		107	80 - 120
Copper	101	108.0		ug/L		107	80 - 120
Lead	500	525.4		ug/L		105	80 - 120
Manganese	400	413.5		ug/L		103	80 - 120
Nickel	100	108.7		ug/L		109	80 - 120
Selenium	100	104.3		ug/L		104	80 - 120
Silver	50.0	54.82		ug/L		110	80 - 120
Thallium	50.0	52.72		ug/L		105	80 - 120
Vanadium	100	102.9		ug/L		103	80 - 120
Zinc	100	107.2		ug/L		107	80 - 120

Lab Sample ID: 400-277476-3 MS
Client Sample ID: MW-3
Matrix: Water
Prep Type: Total Recoverable
Analysis Batch: 883792
Prep Batch: 883668

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	1.12	J	50.0	50.60		ug/L		99	75 - 125
Arsenic	0.870	J	100	103.1		ug/L		102	75 - 125
Barium	235		100	349.8		ug/L		115	75 - 125
Beryllium	ND		50.0	54.19		ug/L		108	75 - 125
Cadmium	ND		50.0	52.71		ug/L		105	75 - 125
Chromium	21.5		100	125.5		ug/L		104	75 - 125
Cobalt	4.61		50.0	56.19		ug/L		103	75 - 125
Copper	7.40		101	110.1		ug/L		102	75 - 125
Lead	1.11	J	500	525.3		ug/L		105	75 - 125
Manganese	778		400	1163		ug/L		96	75 - 125
Nickel	13.6		100	114.0		ug/L		100	75 - 125
Selenium	ND		100	102.3		ug/L		102	75 - 125
Silver	ND		50.0	53.44		ug/L		107	75 - 125
Thallium	ND		50.0	53.54		ug/L		107	75 - 125
Vanadium	15.7		100	118.6		ug/L		103	75 - 125
Zinc	23.0		100	121.9		ug/L		99	75 - 125

Lab Sample ID: 400-277476-3 MSD
Client Sample ID: MW-3
Matrix: Water
Prep Type: Total Recoverable
Analysis Batch: 883792
Prep Batch: 883668

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	1.12	J	50.0	51.05		ug/L		100	75 - 125	1	20
Arsenic	0.870	J	100	101.2		ug/L		100	75 - 125	2	20
Barium	235		100	328.5		ug/L		94	75 - 125	6	20
Beryllium	ND		50.0	55.10		ug/L		110	75 - 125	2	20
Cadmium	ND		50.0	52.14		ug/L		104	75 - 125	1	20

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

Lab Sample ID: 400-277476-3 MSD — **Client Sample ID: MW-3**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 883792 — **Prep Batch: 883668**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium	21.5		100	124.1		ug/L		103	75 - 125	1	20
Cobalt	4.61		50.0	56.02		ug/L		103	75 - 125	0	20
Copper	7.40		101	110.7		ug/L		102	75 - 125	1	20
Lead	1.11	J	500	519.7		ug/L		104	75 - 125	1	20
Manganese	778		400	1178		ug/L		100	75 - 125	1	20
Nickel	13.6		100	114.6		ug/L		101	75 - 125	1	20
Selenium	ND		100	100.6		ug/L		101	75 - 125	2	20
Silver	ND		50.0	54.16		ug/L		108	75 - 125	1	20
Thallium	ND		50.0	52.63		ug/L		105	75 - 125	2	20
Vanadium	15.7		100	116.5		ug/L		101	75 - 125	2	20
Zinc	23.0		100	124.5		ug/L		101	75 - 125	2	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-883897/12-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 883912 — **Prep Batch: 883897**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0800	ug/L		06/20/25 13:23	06/20/25 17:59	1

Lab Sample ID: LCS 680-883897/13-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 883912 — **Prep Batch: 883897**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	2.50	2.520		ug/L		101	80 - 120

Lab Sample ID: 400-277476-1 MS — **Client Sample ID: MW-1**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 883912 — **Prep Batch: 883897**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND	F1 F2	1.00	1.081		ug/L		108	80 - 120

Lab Sample ID: 400-277476-1 MSD — **Client Sample ID: MW-1**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 883912 — **Prep Batch: 883897**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND	F1 F2	1.00	0.5751	F1 F2	ug/L		58	80 - 120	61	20

Lab Sample ID: 400-277476-2 MS — **Client Sample ID: MW-2**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 883912 — **Prep Batch: 883897**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND	F1	1.00	0.7334	F1	ug/L		73	80 - 120

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

Lab Sample ID: 400-277476-2 MSD — **Client Sample ID: MW-2**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 883912 — **Prep Batch: 883897**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND	F1	1.00	0.7200	F1	ug/L		72	80 - 120	2	20

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 400-713079/63 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 713079

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N)	ND		0.0500	0.0460	mg/L			06/17/25 12:45	1

Lab Sample ID: LCS 400-713079/64 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 713079

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia (as N)	2.99	2.997		mg/L		100	90 - 110

Lab Sample ID: MRL 400-713079/19 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 713079

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia (as N)	0.0498	0.07400		mg/L		149	50 - 150

Lab Sample ID: 400-277476-1 MS — **Client Sample ID: MW-1**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 713079

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia (as N)	ND		0.747	0.7050		mg/L		94	90 - 110

Lab Sample ID: 400-277476-1 MSD — **Client Sample ID: MW-1**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 713079

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia (as N)	ND		0.747	0.7060		mg/L		94	90 - 110	0	11

Lab Sample ID: MB 400-713258/24 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 713258

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N)	ND		0.0500	0.0460	mg/L			06/18/25 10:35	1

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: LCS 400-713258/25
Matrix: Water
Analysis Batch: 713258

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	2.977		mg/L		100	90 - 110

Lab Sample ID: MRL 400-713258/19
Matrix: Water
Analysis Batch: 713258

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia (as N)	0.0498	0.06200		mg/L		124	50 - 150

Method: SM 4500 NO2 B - Nitrogen, Nitrite

Lab Sample ID: MB 400-712695/13
Matrix: Water
Analysis Batch: 712695

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.100	0.0180	mg/L			06/13/25 10:04	1

Lab Sample ID: LCS 400-712695/14
Matrix: Water
Analysis Batch: 712695

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrite as N	0.100	0.09471	J	mg/L		95	90 - 110

Lab Sample ID: MRL 400-712695/15
Matrix: Water
Analysis Batch: 712695

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Nitrite as N	0.0500	0.03761	J	mg/L		75	50 - 150

Lab Sample ID: 400-277476-1 MS
Matrix: Water
Analysis Batch: 712695

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
Nitrite as N	0.0438	J H H3	0.100	0.1421		mg/L		98	80 - 118

Lab Sample ID: 400-277476-1 MSD
Matrix: Water
Analysis Batch: 712695

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
Nitrite as N	0.0438	J H H3	0.100	0.1442		mg/L		100	80 - 118	1	10

Method: SM 4500 NO2 B - Nitrogen, Nitrite (Continued)

Lab Sample ID: 400-277476-11 MS
Client Sample ID: DUP-692025
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 712695

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrite as N	ND	H H3	0.100	0.1032		mg/L		103	80 - 118

Lab Sample ID: 400-277476-11 MSD
Client Sample ID: DUP-692025
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 712695

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrite as N	ND	H H3	0.100	0.1040		mg/L		104	80 - 118	1	10

Method: SM 4500 NO3 F - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 400-712979/16
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 712979

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.0500	0.0180	mg/L			06/16/25 14:35	1

Lab Sample ID: LCS 400-712979/17
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 712979

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	1.00	0.9940		mg/L		99	90 - 110

Lab Sample ID: MRL 400-712979/18
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 712979

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	0.0500	0.07300		mg/L		146	50 - 150

Lab Sample ID: 400-277476-1 MS
Client Sample ID: MW-1
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 712979

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	1.96	F1	0.999	3.168	F1	mg/L		121	90 - 110

Lab Sample ID: 400-277476-1 MSD
Client Sample ID: MW-1
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 712979

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate Nitrite as N	1.96	F1	0.999	3.040		mg/L		108	90 - 110	4	10

Method: SM 4500 NO3 F - Nitrogen, Nitrate-Nitrite (Continued)

Lab Sample ID: 400-277476-11 MS
Client Sample ID: DUP-692025
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 712979

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	ND		0.999	1.033		mg/L		103	90 - 110

Lab Sample ID: 400-277476-11 MSD
Client Sample ID: DUP-692025
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 712979

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate Nitrite as N	ND		0.999	1.003		mg/L		100	90 - 110	3	10

Lab Sample ID: MB 400-713259/47
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 713259

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.0500	0.0180	mg/L			06/18/25 13:49	1

Lab Sample ID: MB 400-713259/61
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 713259

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	0.02100	J	0.0500	0.0180	mg/L			06/18/25 14:36	1

Lab Sample ID: LCS 400-713259/17
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 713259

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	1.00	0.9620		mg/L		96	90 - 110

Lab Sample ID: LCS 400-713259/48
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 713259

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	1.00	1.002		mg/L		100	90 - 110

Lab Sample ID: MRL 400-713259/62
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 713259

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	0.0500	0.06900		mg/L		138	50 - 150

Lab Chronicle

Client: S&ME Inc
Job ID: 400-277476-1
Project/Site: Southside Park LF

Client Sample ID: MW-1
Lab Sample ID: 400-277476-1
Date Collected: 06/09/25 13:45
Matrix: Water
Date Received: 06/12/25 09:40

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	713507	06/20/25 15:52	CAR	EET PEN
Total/NA	Prep	3511			29.7 mL	2 mL	712641	06/13/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	712866	06/16/25 20:20	JAW	EET PEN
Total/NA	Prep	3510C			271 mL	1 mL	712753	06/13/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	713592	06/20/25 17:22	VC1	EET PEN
Total/NA	Analysis	9056A		1			712619	06/12/25 20:01	AMM	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	883668	06/16/25 05:29	RR	EET SAV
Total Recoverable	Analysis	6020B		1			883792	06/17/25 12:04	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	883897	06/20/25 13:23	NVF	EET SAV
Total/NA	Analysis	7470A		1			883912	06/20/25 18:04	BJB	EET SAV
Total/NA	Analysis	350.1		1	10 mL	10 mL	713079	06/17/25 12:51	CAC	EET PEN
Total/NA	Analysis	Nitrate by calc		1	10 mL	10 mL	713051	06/13/25 10:05	KWS	EET PEN
Total/NA	Analysis	SM 4500 NO2 B		1	10 mL	10 mL	712695	06/13/25 10:05	KWS	EET PEN
Total/NA	Analysis	SM 4500 NO3 F		5	5 mL	5 mL	712979	06/16/25 16:06	KWS	EET PEN

Client Sample ID: MW-2
Lab Sample ID: 400-277476-2
Date Collected: 06/09/25 16:50
Matrix: Water
Date Received: 06/12/25 09:40

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	713507	06/20/25 16:13	CAR	EET PEN
Total/NA	Prep	3511			29.7 mL	2 mL	712641	06/13/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	712866	06/16/25 20:55	JAW	EET PEN
Total/NA	Prep	3510C			273.2 mL	1 mL	712753	06/13/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	713592	06/20/25 17:44	VC1	EET PEN
Total/NA	Analysis	9056A		1			712619	06/12/25 20:10	AMM	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	883668	06/16/25 05:29	RR	EET SAV
Total Recoverable	Analysis	6020B		1			883792	06/17/25 12:19	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	883897	06/20/25 13:23	NVF	EET SAV
Total/NA	Analysis	7470A		1			883912	06/20/25 18:11	BJB	EET SAV
Total/NA	Analysis	350.1		1	10 mL	10 mL	713079	06/17/25 12:59	CAC	EET PEN
Total/NA	Analysis	Nitrate by calc		1	10 mL	10 mL	713051	06/13/25 10:06	KWS	EET PEN
Total/NA	Analysis	SM 4500 NO2 B		1	10 mL	10 mL	712695	06/13/25 10:06	KWS	EET PEN
Total/NA	Analysis	SM 4500 NO3 F		1	5 mL	5 mL	712979	06/16/25 14:45	KWS	EET PEN

Client Sample ID: MW-3
Lab Sample ID: 400-277476-3
Date Collected: 06/10/25 17:00
Matrix: Water
Date Received: 06/12/25 09:40

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	713703	06/23/25 13:31	CAR	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	712641	06/13/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			712866	06/16/25 21:31	JAW	EET PEN

Lab Chronicle

Client: S&ME Inc
Project/Site: Southside Park LF

Job ID: 400-277476-1

Client Sample ID: MW-3

Date Collected: 06/10/25 17:00
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277476-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			268.8 mL	1 mL	712753	06/13/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	713592	06/20/25 18:06	VC1	EET PEN
Total/NA	Analysis	9056A		5			712767	06/13/25 21:23	AMM	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	883668	06/16/25 05:29	RR	EET SAV
Total Recoverable	Analysis	6020B		1			883792	06/17/25 11:51	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	883897	06/20/25 13:23	NVF	EET SAV
Total/NA	Analysis	7470A		1			883912	06/20/25 18:18	BJB	EET SAV
Total/NA	Analysis	350.1		1	10 mL	10 mL	713079	06/17/25 13:01	CAC	EET PEN
Total/NA	Analysis	Nitrate by calc		1	10 mL	10 mL	713051	06/13/25 10:07	KWS	EET PEN
Total/NA	Analysis	SM 4500 NO2 B		1	10 mL	10 mL	712695	06/13/25 10:07	KWS	EET PEN
Total/NA	Analysis	SM 4500 NO3 F		1	5 mL	5 mL	712979	06/16/25 14:46	KWS	EET PEN

Client Sample ID: MW-4

Date Collected: 06/09/25 16:15
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277476-4

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	713507	06/20/25 16:54	CAR	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	712641	06/13/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	712866	06/16/25 22:06	JAW	EET PEN
Total/NA	Prep	3510C			273.8 mL	1 mL	712753	06/13/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	713592	06/20/25 18:28	VC1	EET PEN
Total/NA	Analysis	9056A		1			712619	06/12/25 20:44	AMM	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	883668	06/16/25 05:29	RR	EET SAV
Total Recoverable	Analysis	6020B		1			883792	06/17/25 12:22	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	883897	06/20/25 13:23	NVF	EET SAV
Total/NA	Analysis	7470A		1			883912	06/20/25 18:20	BJB	EET SAV
Total/NA	Analysis	350.1		10	10 mL	10 mL	713258	06/18/25 10:50	CAC	EET PEN
Total/NA	Analysis	Nitrate by calc		1	10 mL	10 mL	713051	06/13/25 10:07	KWS	EET PEN
Total/NA	Analysis	SM 4500 NO2 B		1	10 mL	10 mL	712695	06/13/25 10:07	KWS	EET PEN
Total/NA	Analysis	SM 4500 NO3 F		1	5 mL	5 mL	712979	06/16/25 14:48	KWS	EET PEN

Client Sample ID: MW-5

Date Collected: 06/09/25 15:30
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277476-5

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	713507	06/20/25 17:15	CAR	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	712641	06/13/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	712866	06/16/25 22:41	JAW	EET PEN
Total/NA	Prep	3510C			265.4 mL	1 mL	712753	06/13/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	713592	06/20/25 18:50	VC1	EET PEN
Total/NA	Analysis	9056A		1			712619	06/12/25 20:52	AMM	EET PEN

Client Sample ID: MW-5

Lab Sample ID: 400-277476-5

Date Collected: 06/09/25 15:30

Matrix: Water

Date Received: 06/12/25 09:40

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	883668	06/16/25 05:29	RR	EET SAV
Total Recoverable	Analysis	6020B		1			883792	06/17/25 12:06	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	883897	06/20/25 13:23	NVF	EET SAV
Total/NA	Analysis	7470A		1			883912	06/20/25 18:27	BJB	EET SAV
Total/NA	Analysis	350.1		1	10 mL	10 mL	713079	06/17/25 13:07	CAC	EET PEN
Total/NA	Analysis	Nitrate by calc		1	10 mL	10 mL	713051	06/13/25 10:07	KWS	EET PEN
Total/NA	Analysis	SM 4500 NO2 B		1	10 mL	10 mL	712695	06/13/25 10:07	KWS	EET PEN
Total/NA	Analysis	SM 4500 NO3 F		1	5 mL	5 mL	712979	06/16/25 14:50	KWS	EET PEN

Client Sample ID: MW-6

Lab Sample ID: 400-277476-6

Date Collected: 06/09/25 12:15

Matrix: Water

Date Received: 06/12/25 09:40

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	713703	06/23/25 13:52	CAR	EET PEN
Total/NA	Prep	3511			30.9 mL	2 mL	712641	06/13/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	712866	06/16/25 23:16	JAW	EET PEN
Total/NA	Prep	3510C			273 mL	1 mL	712935	06/16/25 07:00	JPH	EET PEN
Total/NA	Analysis	8270E SIM ID		5	0.4 mL	0.4 mL	713352	06/19/25 19:04	VC1	EET PEN
Total/NA	Analysis	9056A		1			712619	06/12/25 21:01	AMM	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	883668	06/16/25 05:29	RR	EET SAV
Total Recoverable	Analysis	6020B		1			883792	06/17/25 11:59	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	883897	06/20/25 13:23	NVF	EET SAV
Total/NA	Analysis	7470A		1			883912	06/20/25 18:30	BJB	EET SAV
Total/NA	Analysis	350.1		20	10 mL	10 mL	713258	06/18/25 10:53	CAC	EET PEN
Total/NA	Analysis	Nitrate by calc		1	10 mL	10 mL	713051	06/13/25 10:08	KWS	EET PEN
Total/NA	Analysis	SM 4500 NO2 B		1	10 mL	10 mL	712695	06/13/25 10:08	KWS	EET PEN
Total/NA	Analysis	SM 4500 NO3 F		1	5 mL	5 mL	712979	06/16/25 14:51	KWS	EET PEN

Client Sample ID: MW-7

Lab Sample ID: 400-277476-7

Date Collected: 06/09/25 14:20

Matrix: Water

Date Received: 06/12/25 09:40

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	713507	06/20/25 17:57	CAR	EET PEN
Total/NA	Prep	3511			31.2 mL	2 mL	712641	06/13/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			712866	06/16/25 23:52	JAW	EET PEN
Total/NA	Prep	3510C			270.8 mL	1 mL	712753	06/13/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	713592	06/20/25 19:12	VC1	EET PEN
Total/NA	Analysis	9056A		10			712767	06/13/25 21:31	AMM	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	883668	06/16/25 05:29	RR	EET SAV
Total Recoverable	Analysis	6020B		1			883792	06/17/25 12:01	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	883897	06/20/25 13:23	NVF	EET SAV
Total/NA	Analysis	7470A		1			883912	06/20/25 18:32	BJB	EET SAV

Client Sample ID: MW-7

Lab Sample ID: 400-277476-7

Date Collected: 06/09/25 14:20

Matrix: Water

Date Received: 06/12/25 09:40

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	713079	06/17/25 13:12	CAC	EET PEN
Total/NA	Analysis	Nitrate by calc		1	10 mL	10 mL	713051	06/13/25 10:08	KWS	EET PEN
Total/NA	Analysis	SM 4500 NO2 B		1	10 mL	10 mL	712695	06/13/25 10:08	KWS	EET PEN
Total/NA	Analysis	SM 4500 NO3 F		20	5 mL	5 mL	712979	06/16/25 16:11	KWS	EET PEN

Client Sample ID: MW-8

Lab Sample ID: 400-277476-8

Date Collected: 06/10/25 12:40

Matrix: Water

Date Received: 06/12/25 09:40

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	713507	06/20/25 18:18	CAR	EET PEN
Total/NA	Prep	3511			30.8 mL	2 mL	712641	06/13/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			712866	06/17/25 00:28	JAW	EET PEN
Total/NA	Prep	3510C			272.6 mL	1 mL	712753	06/13/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	713592	06/20/25 19:34	VC1	EET PEN
Total/NA	Analysis	9056A		1			712619	06/12/25 21:18	AMM	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	883668	06/16/25 05:29	RR	EET SAV
Total Recoverable	Analysis	6020B		1			883792	06/17/25 12:09	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	883897	06/20/25 13:23	NVF	EET SAV
Total/NA	Analysis	7470A		1			883912	06/20/25 18:34	BJB	EET SAV
Total/NA	Analysis	350.1		1	10 mL	10 mL	713079	06/17/25 13:25	CAC	EET PEN
Total/NA	Analysis	Nitrate by calc		1	10 mL	10 mL	713051	06/13/25 10:08	KWS	EET PEN
Total/NA	Analysis	SM 4500 NO2 B		1	10 mL	10 mL	712695	06/13/25 10:08	KWS	EET PEN
Total/NA	Analysis	SM 4500 NO3 F		5	5 mL	5 mL	712979	06/16/25 16:13	KWS	EET PEN

Client Sample ID: MW-9

Lab Sample ID: 400-277476-9

Date Collected: 06/10/25 15:15

Matrix: Water

Date Received: 06/12/25 09:40

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	713507	06/20/25 18:38	CAR	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	712641	06/13/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			712866	06/17/25 01:03	JAW	EET PEN
Total/NA	Prep	3510C			262.2 mL	1 mL	712753	06/13/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	713592	06/20/25 19:56	VC1	EET PEN
Total/NA	Analysis	9056A		10			712767	06/13/25 21:40	AMM	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	883668	06/16/25 05:29	RR	EET SAV
Total Recoverable	Analysis	6020B		1			883792	06/17/25 12:40	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	883897	06/20/25 13:23	NVF	EET SAV
Total/NA	Analysis	7470A		1			883912	06/20/25 18:37	BJB	EET SAV
Total/NA	Analysis	350.1		1	10 mL	10 mL	713079	06/17/25 13:28	CAC	EET PEN
Total/NA	Analysis	Nitrate by calc		1	10 mL	10 mL	713051	06/13/25 10:36	KWS	EET PEN
Total/NA	Analysis	SM 4500 NO2 B		2	10 mL	10 mL	712695	06/13/25 10:36	KWS	EET PEN

Lab Chronicle

Client: S&ME Inc
Project/Site: Southside Park LF

Job ID: 400-277476-1

Client Sample ID: MW-9

Date Collected: 06/10/25 15:15
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277476-9

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	SM 4500 NO3 F		1	5 mL	5 mL	713259	06/18/25 14:42	EJT	EET PEN

Client Sample ID: MW-10

Date Collected: 06/10/25 10:30
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277476-10

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	713507	06/20/25 18:59	CAR	EET PEN
Total/NA	Prep	3511			29.8 mL	2 mL	712641	06/13/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			712866	06/17/25 01:39	JAW	EET PEN
Total/NA	Prep	3510C			268.4 mL	1 mL	712753	06/13/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	713592	06/20/25 20:18	VC1	EET PEN
Total/NA	Analysis	9056A		1			712619	06/12/25 21:35	AMM	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	883668	06/16/25 05:29	RR	EET SAV
Total Recoverable	Analysis	6020B		1			883792	06/17/25 12:37	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	883897	06/20/25 13:24	NVF	EET SAV
Total/NA	Analysis	7470A		1			883912	06/20/25 18:39	BJB	EET SAV
Total/NA	Analysis	350.1		1	10 mL	10 mL	713079	06/17/25 13:31	CAC	EET PEN
Total/NA	Analysis	Nitrate by calc		1	10 mL	10 mL	713051	06/13/25 10:09	KWS	EET PEN
Total/NA	Analysis	SM 4500 NO2 B		1	10 mL	10 mL	712695	06/13/25 10:09	KWS	EET PEN
Total/NA	Analysis	SM 4500 NO3 F		1	5 mL	5 mL	712979	06/16/25 14:58	KWS	EET PEN

Client Sample ID: DUP-692025

Date Collected: 06/09/25 00:00
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277476-11

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	713703	06/23/25 14:13	CAR	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	712641	06/13/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			712866	06/17/25 02:14	JAW	EET PEN
Total/NA	Prep	3510C			270.6 mL	1 mL	712753	06/13/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	713592	06/20/25 20:41	VC1	EET PEN
Total/NA	Analysis	9056A		1			712619	06/12/25 21:44	AMM	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	883668	06/16/25 05:29	RR	EET SAV
Total Recoverable	Analysis	6020B		1			883818	06/18/25 09:51	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	883897	06/20/25 13:24	NVF	EET SAV
Total/NA	Analysis	7470A		1			883912	06/20/25 18:41	BJB	EET SAV
Total/NA	Analysis	350.1		10	10 mL	10 mL	713258	06/18/25 10:48	CAC	EET PEN
Total/NA	Analysis	Nitrate by calc		1	10 mL	10 mL	713051	06/13/25 10:10	KWS	EET PEN
Total/NA	Analysis	SM 4500 NO2 B		1	10 mL	10 mL	712695	06/13/25 10:10	KWS	EET PEN
Total/NA	Analysis	SM 4500 NO3 F		1	5 mL	5 mL	712979	06/16/25 15:03	KWS	EET PEN

Lab Chronicle

Client: S&ME Inc
Job ID: 400-277476-1
Project/Site: Southside Park LF

Client Sample ID: DUP-6102025
Lab Sample ID: 400-277476-12
Date Collected: 06/10/25 00:00
Matrix: Water
Date Received: 06/12/25 09:40

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	713507	06/20/25 19:41	CAR	EET PEN
Total/NA	Prep	3511			29.4 mL	2 mL	712641	06/13/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			712866	06/17/25 02:49	JAW	EET PEN
Total/NA	Prep	3510C			271.2 mL	1 mL	712753	06/13/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	713592	06/20/25 21:02	VC1	EET PEN
Total/NA	Analysis	9056A		1			712619	06/12/25 21:52	AMM	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	883668	06/16/25 05:29	RR	EET SAV
Total Recoverable	Analysis	6020B		1			883792	06/17/25 12:17	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	883897	06/20/25 13:24	NVF	EET SAV
Total/NA	Analysis	7470A		1			883912	06/20/25 18:44	BJB	EET SAV
Total/NA	Analysis	350.1		1	10 mL	10 mL	713079	06/17/25 13:36	CAC	EET PEN
Total/NA	Analysis	Nitrate by calc		1	10 mL	10 mL	713051	06/13/25 10:12	KWS	EET PEN
Total/NA	Analysis	SM 4500 NO2 B		1	10 mL	10 mL	712695	06/13/25 10:12	KWS	EET PEN
Total/NA	Analysis	SM 4500 NO3 F		1	5 mL	5 mL	712979	06/16/25 15:08	KWS	EET PEN

Client Sample ID: TRIP BLANK 1
Lab Sample ID: 400-277476-13
Date Collected: 06/12/25 00:00
Matrix: Water
Date Received: 06/12/25 09:40

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	713507	06/20/25 20:02	CAR	EET PEN

Client Sample ID: TRIP BLANK 2
Lab Sample ID: 400-277476-14
Date Collected: 06/12/25 00:00
Matrix: Water
Date Received: 06/12/25 09:40

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	713507	06/20/25 20:23	CAR	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-712619/5
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			712619	06/12/25 19:02	AMM	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-712641/1-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	712641	06/13/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			712866	06/16/25 17:59	JAW	EET PEN

Client Sample ID: Method Blank — **Lab Sample ID: MB 400-712695/13**
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	SM 4500 NO2 B		1	10 mL	10 mL	712695	06/13/25 10:04	KWS	EET PEN

Client Sample ID: Method Blank — **Lab Sample ID: MB 400-712753/1-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	712753	06/13/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	713592	06/20/25 16:16	VC1	EET PEN

Client Sample ID: Method Blank — **Lab Sample ID: MB 400-712767/5**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			712767	06/13/25 19:07	AMM	EET PEN

Client Sample ID: Method Blank — **Lab Sample ID: MB 400-712935/1-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	712935	06/16/25 07:00	JPH	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	713352	06/19/25 14:17	VC1	EET PEN

Client Sample ID: Method Blank — **Lab Sample ID: MB 400-712979/16**
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	SM 4500 NO3 F		1	5 mL	5 mL	712979	06/16/25 14:35	KWS	EET PEN

Client Sample ID: Method Blank — **Lab Sample ID: MB 400-713079/63**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	350.1		1	10 mL	10 mL	713079	06/17/25 12:45	CAC	EET PEN

Client Sample ID: Method Blank — **Lab Sample ID: MB 400-713258/24**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	350.1		1	10 mL	10 mL	713258	06/18/25 10:35	CAC	EET PEN

Lab Chronicle

Client: S&ME Inc
Job ID: 400-277476-1
Project/Site: Southside Park LF

Client Sample ID: Method Blank
Lab Sample ID: MB 400-713259/47
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	SM 4500 NO3 F		1	5 mL	5 mL	713259	06/18/25 13:49	EJT	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-713259/61
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	SM 4500 NO3 F		1	5 mL	5 mL	713259	06/18/25 14:36	EJT	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-713507/5
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	713507	06/20/25 11:48	CAR	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-713703/5
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	713703	06/23/25 12:08	CAR	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 680-883668/1-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	883668	06/16/25 05:29	RR	EET SAV
Total Recoverable	Analysis	6020B		1			883792	06/17/25 11:46	BWR	EET SAV

Client Sample ID: Method Blank
Lab Sample ID: MB 680-883897/12-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	883897	06/20/25 13:23	NVF	EET SAV
Total/NA	Analysis	7470A		1			883912	06/20/25 17:59	BJB	EET SAV

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-712619/6
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			712619	06/12/25 19:10	AMM	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-712641/2-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	712641	06/13/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			712866	06/16/25 18:34	JAW	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-712695/14**
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	SM 4500 NO2 B		1	10 mL	10 mL	712695	06/13/25 10:04	KWS	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-712753/2-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	712753	06/13/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	713592	06/20/25 16:38	VC1	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-712767/6**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			712767	06/13/25 19:15	AMM	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-712935/2-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	712935	06/16/25 07:00	JPH	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	713352	06/19/25 14:39	VC1	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-712979/17**
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	SM 4500 NO3 F		1	5 mL	5 mL	712979	06/16/25 14:37	KWS	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-713079/64**
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	713079	06/17/25 12:48	CAC	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-713258/25**
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	350.1		1	10 mL	10 mL	713258	06/18/25 10:37	CAC	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-713259/17**
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	SM 4500 NO3 F		1	5 mL	5 mL	713259	06/18/25 12:59	EJT	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-713259/48**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 NO3 F		1	5 mL	5 mL	713259	06/18/25 13:50	EJT	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-713507/1002**
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	713507	06/20/25 10:40	CAR	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-713703/1002**
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	713703	06/23/25 10:44	CAR	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 680-883668/2-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	883668	06/16/25 05:29	RR	EET SAV
Total Recoverable	Analysis	6020B		1			883792	06/17/25 11:49	BWR	EET SAV

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 680-883897/13-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	883897	06/20/25 13:23	NVF	EET SAV
Total/NA	Analysis	7470A		1			883912	06/20/25 18:01	BJB	EET SAV

Lab Chronicle

Client: S&ME Inc
Job ID: 400-277476-1
Project/Site: Southside Park LF

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-712641/3-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	712641	06/13/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			712866	06/16/25 19:10	JAW	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-712753/3-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	712753	06/13/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	713592	06/20/25 17:00	VC1	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-712935/3-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	712935	06/16/25 07:00	JPH	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	713352	06/19/25 15:01	VC1	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: MRL 400-712695/15
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	SM 4500 NO2 B		1	10 mL	10 mL	712695	06/13/25 10:05	KWS	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: MRL 400-712979/18
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 NO3 F		1	5 mL	5 mL	712979	06/16/25 14:38	KWS	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: MRL 400-713079/19
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	713079	06/17/25 10:48	CAC	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: MRL 400-713258/19
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	713258	06/18/25 10:21	CAC	EET PEN

Lab Chronicle

Client: S&ME Inc
Job ID: 400-277476-1
Project/Site: Southside Park LF

Client Sample ID: Lab Control Sample
Lab Sample ID: MRL 400-713259/62
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 NO3 F		1	5 mL	5 mL	713259	06/18/25 14:38	EJT	EET PEN

Client Sample ID: MW-1
Lab Sample ID: 400-277476-1 MS
Date Collected: 06/09/25 13:45
Matrix: Water
Date Received: 06/12/25 09:40

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	883897	06/20/25 13:23	NVF	EET SAV
Total/NA	Analysis	7470A		1			883912	06/20/25 18:06	BJB	EET SAV
Total/NA	Analysis	350.1		1	10 mL	10 mL	713079	06/17/25 12:53	CAC	EET PEN
Total/NA	Analysis	SM 4500 NO2 B		1	10 mL	10 mL	712695	06/13/25 10:05	KWS	EET PEN
Total/NA	Analysis	SM 4500 NO3 F		5	5 mL	5 mL	712979	06/16/25 16:08	KWS	EET PEN

Client Sample ID: MW-1
Lab Sample ID: 400-277476-1 MSD
Date Collected: 06/09/25 13:45
Matrix: Water
Date Received: 06/12/25 09:40

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	883897	06/20/25 13:23	NVF	EET SAV
Total/NA	Analysis	7470A		1			883912	06/20/25 18:08	BJB	EET SAV
Total/NA	Analysis	350.1		1	10 mL	10 mL	713079	06/17/25 12:56	CAC	EET PEN
Total/NA	Analysis	SM 4500 NO2 B		1	10 mL	10 mL	712695	06/13/25 10:06	KWS	EET PEN
Total/NA	Analysis	SM 4500 NO3 F		5	5 mL	5 mL	712979	06/16/25 16:10	KWS	EET PEN

Client Sample ID: MW-2
Lab Sample ID: 400-277476-2 MS
Date Collected: 06/09/25 16:50
Matrix: Water
Date Received: 06/12/25 09:40

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	883897	06/20/25 13:23	NVF	EET SAV
Total/NA	Analysis	7470A		1			883912	06/20/25 18:13	BJB	EET SAV

Client Sample ID: MW-2
Lab Sample ID: 400-277476-2 MSD
Date Collected: 06/09/25 16:50
Matrix: Water
Date Received: 06/12/25 09:40

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	883897	06/20/25 13:23	NVF	EET SAV
Total/NA	Analysis	7470A		1			883912	06/20/25 18:15	BJB	EET SAV

Lab Chronicle

Client: S&ME Inc
Job ID: 400-277476-1
Project/Site: Southside Park LF

Client Sample ID: MW-3
Lab Sample ID: 400-277476-3 MS
Date Collected: 06/10/25 17:00
Matrix: Water
Date Received: 06/12/25 09:40

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	883668	06/16/25 05:29	RR	EET SAV
Total Recoverable	Analysis	6020B		1			883792	06/17/25 11:54	BWR	EET SAV

Client Sample ID: MW-3
Lab Sample ID: 400-277476-3 MSD
Date Collected: 06/10/25 17:00
Matrix: Water
Date Received: 06/12/25 09:40

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	883668	06/16/25 05:29	RR	EET SAV
Total Recoverable	Analysis	6020B		1			883792	06/17/25 11:56	BWR	EET SAV

Client Sample ID: DUP-692025
Lab Sample ID: 400-277476-11 MS
Date Collected: 06/09/25 00:00
Matrix: Water
Date Received: 06/12/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 NO2 B		1	10 mL	10 mL	712695	06/13/25 10:11	KWS	EET PEN
Total/NA	Analysis	SM 4500 NO3 F		1	5 mL	5 mL	712979	06/16/25 15:05	KWS	EET PEN

Client Sample ID: DUP-692025
Lab Sample ID: 400-277476-11 MSD
Date Collected: 06/09/25 00:00
Matrix: Water
Date Received: 06/12/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 NO2 B		1	10 mL	10 mL	712695	06/13/25 10:11	KWS	EET PEN
Total/NA	Analysis	SM 4500 NO3 F		1	5 mL	5 mL	712979	06/16/25 15:06	KWS	EET PEN

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Method Summary

Client: S&ME Inc
Job ID: 400-277476-1
Project/Site: Southside Park LF

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
Nitrate by calc	Nitrogen, Nitrate	SM	EET PEN
SM 4500 NO2 B	Nitrogen, Nitrite	SM	EET PEN
SM 4500 NO3 F	Nitrogen, Nitrate-Nitrite	SM	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

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 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: 400-277476-1
Project/Site: Southside Park LF

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	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

eurofins | Environment Testing

Client Information	Sampler: Dennis Doreth	Lab PM: Bechtold, Chad	Carrier Tracking No(s):	COC No: 680-167655-59302.1
Client Contact: Thomas Raymond	Phone: 704-956-6241	E-Mail: Chad.Bechtold@et.eurofinsus.com	State of Origin:	Page: 1 of 2
Company: S&ME Inc	PWSID:			Job #: 215952M
Address: 3201 Spring Forest Road	Due Date Requested: ✓			
City: Raleigh	TAT Requested (days): Standard TAT			
State, Zip: NC, 27616	Compliance Project: Δ Yes Δ No			
Phone: 919-872-2660(Tel) 919-876-3958(Fax)	PO #: 215952			
Email: traymond@smeinc.com	WO #:			
Project Name: Southside Park LF	Project #: 68026680			
Site: Southside Park	SSOW#:			

Analysis Requested

Preservation Codes:
N - None
S - H2SO4
D - HNO3
A - HCL
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)	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		
MW-1	6/9/2025	1345	G	W		X	X	X	X	X	X		
MW-2	6/9/2025	1650	G	W		X	X	X	X	X	X		
MW-3	6/10/2025	1700	G	W		X	X	X	X	X	X		
MW-4	6/9/2025	1615	G	W		X	X	X	X	X	X		
MW-5	6/9/2025	1530	G	W		X	X	X	X	X	X		
MW-6	6/9/2025	1215	G	W		X	X	X	X	X	X		
MW-7	6/9/2025	1420	G	W		X	X	X	X	X	X		
MW-8	6/10/2025	1240	G	W		X	X	X	X	X	X		
MW-9	6/10/2025	1515	G	W		X	X	X	X	X	X		
MW-10	6/10/2025	1030	G	W		X	X	X	X	X	X		
~~DUP~~ OCD													

400-277476 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: Dennis Doreth of SME	Date: 06/10/25	Time: 1915	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Dennis Doreth of SME	06/10/25 1915	SME		6.11.25 0900	
2		6.11.25 1630				
3					06/12/25 940	

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.7C IR 8 0.4C/IR8

Ver: 05/06/2024

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone (850) 474-1001 Phone (850) 478-2671

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Dennis Dorsett	Lab PM: Bechtold, Chad	Carrier Tracking No(s):	COC No: 680-167655-59302.1
Client Contact: Thomas Raymond	Phone: 704-956-6241	E-Mail: Chad.Bechtold@et.eurofinsus.com	State of Origin: North Carolina	Page: 2 of 2
Company: S&ME Inc	PWSID:	Analysis Requested		Job #: 215952 M
Address: 3201 Spring Forest Road	Due Date Requested: ✓			Preservation Codes: N - None; S - H2SO4; D - HNO3; A - HCL
City: Raleigh	TAT Requested (days): STANDARD TAT			
State, Zip: NC, 27616	Compliance Project: Δ Yes Δ No			
Phone: 919-872-2660(Tel) 919-876-3958(Fax)	PO #: 215952			
Email: traymond@smeinc.com	WO #:			
Project Name: Southside Park LF	Project #: 68026680			Other:
Site: Southside Park	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, 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									
DUP-6192025-GW	6/19/25	—	G	W		X	X	X	X	X	X									
DUP-6102025-GW	6/10/25	—	G	W		X	X	X	X	X	X									Amber Lid broke in truck
~~SW-1 EQP~~																				
~~SW-2 EQP~~																				
~~SW-3 EQP~~																				
~~SW-4 EQP~~																				
~~SW-5 EQP~~																				
TRIP BLANK 1						X	X	X	X	X	X	X								
TRIP BLANK 2						X	X	X	X	X	X									

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: Dennis Dorsett	Date: 06/10/2025	Time: 1915	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Dennis Dorsett	06/10/25 1915	S&ME	A Wells	6-11-25 0900	
2	A Wells	6-11-25 1630				
3						

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.7C IR8

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

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Bechtold, Chad	Carrier Tracking No(s): N/A	COC No: 400-378050.1
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 #: 400-277476-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 6/20/2025			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: Southside Park LF	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/3005A PRLF 16 Metals, Including prep	7470A/7470A_Prep Mercury	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
MW-1 (400-277476-1)	6/9/25	13:45 Eastern	G	Water			X	X	1	
MW-2 (400-277476-2)	6/9/25	16:50 Eastern	G	Water			X	X	1	
MW-3 (400-277476-3)	6/10/25	17:00 Eastern	G	Water			X	X	1	
MW-4 (400-277476-4)	6/9/25	16:15 Eastern	G	Water			X	X	1	
MW-5 (400-277476-5)	6/9/25	15:30 Eastern	G	Water			X	X	1	
MW-6 (400-277476-6)	6/9/25	12:15 Eastern	G	Water			X	X	1	
MW-7 (400-277476-7)	6/9/25	14:20 Eastern	G	Water			X	X	1	
MW-8 (400-277476-8)	6/10/25	12:40 Eastern	G	Water			X	X	1	
MW-9 (400-277476-9)	6/10/25	15:15 Eastern	G	Water			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		6/13/25 1700	EET		6/14/25 1045	
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: 3.7 | 3.7 Sat

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

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Bechtold, Chad	Carrier Tracking No(s): N/A	COC No: 400-378050.2
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 #: 400-277476-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 6/20/2025			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: Southside Park LF	Project #: 68026680			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3005A PRLF 16 Metals, Including prep	7470A/7470A_Prep Mercury	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
MW-10 (400-277476-10)	6/10/25	10:30 Eastern	G	Water			X	X	1	
DUP-692025 (400-277476-11)	6/9/25	Eastern	G	Water			X	X	1	
DUP-6102025 (400-277476-12)	6/10/25	Eastern	G	Water			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	6/13/20 1700	EEPC		6/14/25 1045	
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: 3.7 / 3.7 5pt

Login Sample Receipt Checklist

Client: S&ME Inc

Job Number: 400-277476-1

Login Number: 277476

List Source: Eurofins Pensacola

List Number: 1

Creator: Beecher (Roberts), Alexis J

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.7°C, 3.7°C, 0.4°C, 4.3°C IR8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: S&ME Inc

Job Number: 400-277476-1

Login Number: 277476
List Number: 2
Creator: Lincoln, Alyssa

List Source: Eurofins Savannah
List Creation: 06/14/25 11:29 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Thomas Raymond
S&ME Inc
3201 Spring Forest Road
Raleigh, North Carolina 27616

Generated 6/27/2025 2:46:08 PM

JOB DESCRIPTION

Southside Park

JOB NUMBER

400-277484-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



Generated
6/27/2025 2:46:08 PM

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

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Detection Summary 5
Sample Summary 8
Client Sample Results 9
Definitions 37
Surrogate Summary 39
QC Association 40
QC Sample Results 44
Chronicle 63
Method Summary 72
Certification Summary 73
Chain of Custody 74
Receipt Checklists 77

Job Narrative
400-277484-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 6/12/2025 9:40 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 0.2°C and 0.4°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
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_NO2_B: Method SM4500_NO2_B was requested outside of analytical holding time for the following samples: SW-1 (400-277484-1), SW-2 (400-277484-2), SW-3 (400-277484-3), SW-4 (400-277484-4), SW-5 (400-277484-5) and DUP-6102025-SW (400-277484-6).

Method SM4500_NO3_F: The method blank for analytical batch 400-713259 contained Nitrate Nitrite as N above the method detection limit (MDL). Associated samples were not re-analyzed because the sample results for Nitrate Nitrite as N were greater than 10X the value found in the method blank.

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: Southside Park

Job ID: 400-277484-1

Client Sample ID: SW-1 — Lab Sample ID: 400-277484-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	2.97		1.00	0.330	ug/L	1		8260D	Total/NA
Sulfate	58.8		5.00	1.95	mg/L	5		9056A	Total/NA
Barium	80.6		10.0	0.410	ug/L	1		6020B	Total Recoverable
Cobalt	0.771	J	5.00	0.411	ug/L	1		6020B	Total Recoverable
Copper	4.69		2.00	0.642	ug/L	1		6020B	Total Recoverable
Lead	0.868	J	1.00	0.864	ug/L	1		6020B	Total Recoverable
Manganese	69.0		5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	3.19	J	5.00	0.422	ug/L	1		6020B	Total Recoverable
Thallium	0.781	J	1.00	0.190	ug/L	1		6020B	Total Recoverable
Vanadium	2.91	J	5.00	1.22	ug/L	1		6020B	Total Recoverable
Zinc	17.0		10.0	8.91	ug/L	1		6020B	Total Recoverable
Ammonia (as N)	0.0870		0.0500	0.0460	mg/L	1		350.1	Total/NA
Nitrate as N	2.06	H	0.0500	0.0180	mg/L	1		Nitrate by calc	Total/NA
Nitrite as N	0.0448	J H	0.100	0.0180	mg/L	1		SM 4500 NO2 B	Total/NA
Nitrate Nitrite as N	2.10		0.100	0.0360	mg/L	2		SM 4500 NO3 F	Total/NA

Client Sample ID: SW-2 — Lab Sample ID: 400-277484-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	6.07		1.00	0.330	ug/L	1		8260D	Total/NA
Sulfate	63.7		5.00	1.95	mg/L	5		9056A	Total/NA
Barium	77.0		10.0	0.410	ug/L	1		6020B	Total Recoverable
Cobalt	0.843	J	5.00	0.411	ug/L	1		6020B	Total Recoverable
Copper	4.85		2.00	0.642	ug/L	1		6020B	Total Recoverable
Manganese	78.6		5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	3.50	J	5.00	0.422	ug/L	1		6020B	Total Recoverable
Thallium	0.255	J	1.00	0.190	ug/L	1		6020B	Total Recoverable
Vanadium	2.90	J	5.00	1.22	ug/L	1		6020B	Total Recoverable
Zinc	11.6		10.0	8.91	ug/L	1		6020B	Total Recoverable
Ammonia (as N)	0.298		0.0500	0.0460	mg/L	1		350.1	Total/NA
Nitrate as N	2.03	H	0.0500	0.0180	mg/L	1		Nitrate by calc	Total/NA
Nitrite as N	0.0485	J H	0.100	0.0180	mg/L	1		SM 4500 NO2 B	Total/NA
Nitrate Nitrite as N	2.08		0.100	0.0360	mg/L	2		SM 4500 NO3 F	Total/NA

Client Sample ID: SW-3 — Lab Sample ID: 400-277484-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	12.0		1.00	0.330	ug/L	1		8260D	Total/NA
Trichloroethene	0.468	J	1.00	0.150	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Client Sample ID: SW-3 (Continued) — Lab Sample ID: 400-277484-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	0.309		0.284	0.284	ug/L	1		8270E SIM ID	Total/NA
Sulfate	42.6		1.00	0.390	mg/L	1		9056A	Total/NA
Barium	76.7		10.0	0.410	ug/L	1		6020B	Total Recoverable
Cobalt	0.951	J	5.00	0.411	ug/L	1		6020B	Total Recoverable
Copper	5.86		2.00	0.642	ug/L	1		6020B	Total Recoverable
Manganese	46.5		5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	4.27	J	5.00	0.422	ug/L	1		6020B	Total Recoverable
Vanadium	3.30	J	5.00	1.22	ug/L	1		6020B	Total Recoverable
Zinc	16.5		10.0	8.91	ug/L	1		6020B	Total Recoverable
Ammonia (as N)	0.180		0.0500	0.0460	mg/L	1		350.1	Total/NA
Nitrate as N	1.86	H	0.0500	0.0180	mg/L	1		Nitrate by calc	Total/NA
Nitrite as N	0.0623	J H	0.100	0.0180	mg/L	1		SM 4500 NO2 B	Total/NA
Nitrate Nitrite as N	1.92		0.0500	0.0180	mg/L	1		SM 4500 NO3 F	Total/NA

Client Sample ID: SW-4 — Lab Sample ID: 400-277484-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	21.5		1.00	0.390	mg/L	1		9056A	Total/NA
Barium	48.1		10.0	0.410	ug/L	1		6020B	Total Recoverable
Cobalt	0.550	J	5.00	0.411	ug/L	1		6020B	Total Recoverable
Copper	4.43		2.00	0.642	ug/L	1		6020B	Total Recoverable
Lead	3.42		1.00	0.864	ug/L	1		6020B	Total Recoverable
Manganese	55.4		5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	1.69	J	5.00	0.422	ug/L	1		6020B	Total Recoverable
Vanadium	3.90	J	5.00	1.22	ug/L	1		6020B	Total Recoverable
Zinc	15.7		10.0	8.91	ug/L	1		6020B	Total Recoverable
Nitrate as N	0.707	H	0.0500	0.0180	mg/L	1		Nitrate by calc	Total/NA
Nitrate Nitrite as N	0.707	F1	0.0500	0.0180	mg/L	1		SM 4500 NO3 F	Total/NA

Client Sample ID: SW-5 — Lab Sample ID: 400-277484-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	22.6		1.00	0.390	mg/L	1		9056A	Total/NA
Barium	52.2		10.0	0.410	ug/L	1		6020B	Total Recoverable
Cobalt	0.549	J	5.00	0.411	ug/L	1		6020B	Total Recoverable
Copper	16.7		2.00	0.642	ug/L	1		6020B	Total Recoverable
Lead	2.69		1.00	0.864	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: SW-5 (Continued)

Lab Sample ID: 400-277484-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	67.0		5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	1.73	J	5.00	0.422	ug/L	1		6020B	Total Recoverable
Vanadium	3.36	J	5.00	1.22	ug/L	1		6020B	Total Recoverable
Zinc	11.0		10.0	8.91	ug/L	1		6020B	Total Recoverable
Nitrate as N	0.736	H	0.0500	0.0180	mg/L	1		Nitrate by calc	Total/NA
Nitrate Nitrite as N	0.736	B	0.0500	0.0180	mg/L	1		SM 4500 NO3 F	Total/NA

Client Sample ID: DUP-6102025-SW

Lab Sample ID: 400-277484-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	3.23		1.00	0.330	ug/L	1		8260D	Total/NA
1,4-Dioxane	0.293		0.292	0.292	ug/L	1		8270E SIM ID	Total/NA
Sulfate	66.5		5.00	1.95	mg/L	5		9056A	Total/NA
Barium	78.4		10.0	0.410	ug/L	1		6020B	Total Recoverable
Cobalt	0.789	J	5.00	0.411	ug/L	1		6020B	Total Recoverable
Copper	4.77		2.00	0.642	ug/L	1		6020B	Total Recoverable
Lead	0.966	J	1.00	0.864	ug/L	1		6020B	Total Recoverable
Manganese	70.1		5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	3.58	J	5.00	0.422	ug/L	1		6020B	Total Recoverable
Vanadium	2.64	J	5.00	1.22	ug/L	1		6020B	Total Recoverable
Zinc	22.1		10.0	8.91	ug/L	1		6020B	Total Recoverable
Ammonia (as N)	0.0880		0.0500	0.0460	mg/L	1		350.1	Total/NA
Nitrate as N	1.95	H H3	0.0500	0.0180	mg/L	1		Nitrate by calc	Total/NA
Nitrite as N	0.0453	J H H3	0.100	0.0180	mg/L	1		SM 4500 NO2 B	Total/NA
Nitrate Nitrite as N	2.00	B	0.100	0.0360	mg/L	2		SM 4500 NO3 F	Total/NA

Client Sample ID: TRIP BLANK

Lab Sample ID: 400-277484-7

No Detections.

This Detection Summary does not include radiochemical test results.

Sample Summary

Client: S&ME Inc
Project/Site: Southside Park

Job ID: 400-277484-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-277484-1	SW-1	Water	06/10/25 14:15	06/12/25 09:40
400-277484-2	SW-2	Water	06/10/25 15:15	06/12/25 09:40
400-277484-3	SW-3	Water	06/10/25 15:45	06/12/25 09:40
400-277484-4	SW-4	Water	06/10/25 16:15	06/12/25 09:40
400-277484-5	SW-5	Water	06/10/25 16:40	06/12/25 09:40
400-277484-6	DUP-6102025-SW	Water	06/10/25 00:00	06/12/25 09:40
400-277484-7	TRIP BLANK	Water	06/10/25 00:00	06/12/25 09:40

Client: S&ME Inc
Project/Site: Southside Park

Job ID: 400-277484-1

Client Sample ID: SW-1
Date Collected: 06/10/25 14:15
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277484-1
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 F2	25.0	10.0	ug/L			06/20/25 18:28	1
Benzene	ND	F2	1.00	0.500	ug/L			06/20/25 18:28	1
Bromobenzene	ND	F2	1.00	0.540	ug/L			06/20/25 18:28	1
Bromoform	ND	F2	5.00	0.250	ug/L			06/20/25 18:28	1
Bromomethane	ND		1.00	0.980	ug/L			06/20/25 18:28	1
2-Butanone (MEK)	ND	F1 F2	25.0	2.60	ug/L			06/20/25 18:28	1
Carbon disulfide	ND	F2	1.00	0.500	ug/L			06/20/25 18:28	1
Carbon tetrachloride	ND	F2	1.00	0.190	ug/L			06/20/25 18:28	1
Chlorobenzene	ND	F2	1.00	0.420	ug/L			06/20/25 18:28	1
Chlorobromomethane	ND	F2 F1	1.00	0.520	ug/L			06/20/25 18:28	1
Chlorodibromomethane	ND	F2	1.00	0.240	ug/L			06/20/25 18:28	1
Chloroethane	ND		1.00	0.760	ug/L			06/20/25 18:28	1
Chloroform	ND	F2	1.00	0.900	ug/L			06/20/25 18:28	1
Chloromethane	ND	F1	1.00	0.400	ug/L			06/20/25 18:28	1
2-Chlorotoluene	ND	F1	1.00	0.570	ug/L			06/20/25 18:28	1
4-Chlorotoluene	ND	F1	1.00	0.560	ug/L			06/20/25 18:28	1
cis-1,2-Dichloroethene	ND	F2	1.00	0.200	ug/L			06/20/25 18:28	1
cis-1,3-Dichloropropene	ND	F2	5.00	0.500	ug/L			06/20/25 18:28	1
1,2-Dibromo-3-Chloropropane	ND	F2	5.00	1.50	ug/L			06/20/25 18:28	1
Dibromomethane	ND	F2	5.00	0.220	ug/L			06/20/25 18:28	1
1,2-Dichlorobenzene	ND	F2	1.00	0.500	ug/L			06/20/25 18:28	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/20/25 18:28	1
1,4-Dichlorobenzene	ND	F2	1.00	0.640	ug/L			06/20/25 18:28	1
Dichlorobromomethane	ND	F2	1.00	0.500	ug/L			06/20/25 18:28	1
1,1-Dichloroethane	ND	F2	1.00	0.500	ug/L			06/20/25 18:28	1
1,2-Dichloroethane	ND	F2	1.00	0.550	ug/L			06/20/25 18:28	1
1,1-Dichloroethene	ND	F2	1.00	0.500	ug/L			06/20/25 18:28	1
1,2-Dichloropropane	ND	F2	1.00	0.500	ug/L			06/20/25 18:28	1
1,3-Dichloropropane	ND	F2	1.00	0.500	ug/L			06/20/25 18:28	1
2,2-Dichloropropane	ND	F2	1.00	0.500	ug/L			06/20/25 18:28	1
1,1-Dichloropropene	ND	F1 F2	1.00	0.0900	ug/L			06/20/25 18:28	1
Ethyl acetate	ND	F2	10.0	6.14	ug/L			06/20/25 18:28	1
Ethylbenzene	ND	F1 F2	1.00	0.500	ug/L			06/20/25 18:28	1
Ethylene Dibromide	ND	F2	1.00	0.230	ug/L			06/20/25 18:28	1
Hexachlorobutadiene	ND	*+	5.00	0.900	ug/L			06/20/25 18:28	1
Hexane	ND	F1 F2	1.00	0.960	ug/L			06/20/25 18:28	1
2-Hexanone	ND	F1 F2	25.0	4.26	ug/L			06/20/25 18:28	1
Iodomethane	ND		1.00	0.900	ug/L			06/20/25 18:28	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/20/25 18:28	1
Isopropyl ether	ND		1.00	0.740	ug/L			06/20/25 18:28	1
4-Isopropyltoluene	ND	F1	1.00	0.710	ug/L			06/20/25 18:28	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/20/25 18:28	1
4-Methyl-2-pentanone (MIBK)	ND	F2	25.0	1.80	ug/L			06/20/25 18:28	1
Methyl tert-butyl ether	ND	F2	1.00	0.220	ug/L			06/20/25 18:28	1
m-Xylene & p-Xylene	ND	F1 F2	5.00	3.00	ug/L			06/20/25 18:28	1
Naphthalene	ND	F2	5.00	3.00	ug/L			06/20/25 18:28	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/20/25 18:28	1
n-Heptane	ND	F1 F2	1.00	0.210	ug/L			06/20/25 18:28	1
N-Propylbenzene	ND	F1	1.00	0.690	ug/L			06/20/25 18:28	1

Client Sample ID: SW-1
Date Collected: 06/10/25 14:15
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277484-1
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	F1 F2	5.00	3.00	ug/L			06/20/25 18:28	1
sec-Butylbenzene	ND	F1	1.00	0.700	ug/L			06/20/25 18:28	1
Styrene	ND	F2	1.00	1.00	ug/L			06/20/25 18:28	1
tert-Butylbenzene	ND	F1	1.00	0.630	ug/L			06/20/25 18:28	1
1,1,1,2-Tetrachloroethane	ND	F2	1.00	0.380	ug/L			06/20/25 18:28	1
1,1,2,2-Tetrachloroethane	ND	F1 F2	1.00	0.500	ug/L			06/20/25 18:28	1
Tetrachloroethene	**2.97**		1.00	0.330	ug/L			06/23/25 13:20	1
Toluene	ND	F1 F2	1.00	0.900	ug/L			06/20/25 18:28	1
trans-1,4-Dichloro-2-butene	ND	F2	5.00	1.00	ug/L			06/20/25 18:28	1
trans-1,2-Dichloroethene	ND	F2	1.00	0.500	ug/L			06/20/25 18:28	1
trans-1,3-Dichloropropene	ND	F2	5.00	0.200	ug/L			06/20/25 18:28	1
1,2,3-Trichlorobenzene	ND	F2	1.00	0.900	ug/L			06/20/25 18:28	1
1,2,4-Trichlorobenzene	ND	F2	1.00	0.820	ug/L			06/20/25 18:28	1
1,1,1-Trichloroethane	ND	F2	1.00	0.180	ug/L			06/20/25 18:28	1
1,1,2-Trichloroethane	ND	F1 F2	5.00	0.210	ug/L			06/20/25 18:28	1
Trichloroethene	ND		1.00	0.150	ug/L			06/23/25 13:20	1
Trichlorofluoromethane	ND	*+	1.00	0.250	ug/L			06/20/25 18:28	1
1,2,3-Trichloropropane	ND	F2	5.00	0.840	ug/L			06/20/25 18:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F2	1.00	0.500	ug/L			06/20/25 18:28	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/20/25 18:28	1
1,3,5-Trimethylbenzene	ND	F1	1.00	0.560	ug/L			06/20/25 18:28	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/20/25 18:28	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/20/25 18:28	1
Xylenes, Total	ND	F1 F2	10.0	6.00	ug/L			06/20/25 18:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*82*		*56 - 136*		*06/20/25 18:28*	*1*
4-Bromofluorobenzene	*105*		*56 - 136*		*06/23/25 13:20*	*1*
Dibromofluoromethane	*122*		*79 - 130*		*06/20/25 18:28*	*1*
Dibromofluoromethane	*97*		*79 - 130*		*06/23/25 13:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*59 - 146*		*06/20/25 18:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*59 - 146*		*06/23/25 13:20*	*1*
Toluene-d8 (Surr)	*88*		*64 - 132*		*06/20/25 18:28*	*1*
Toluene-d8 (Surr)	*105*		*64 - 132*		*06/23/25 13:20*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.286	0.286	ug/L		06/16/25 07:00	06/19/25 19:26	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*20*		*10 - 140*	*06/16/25 07:00*	*06/19/25 19:26*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.52	0.400	ug/L		06/13/25 07:00	06/19/25 05:37	1
2,4,5-Trichlorophenol	ND		9.52	0.514	ug/L		06/13/25 07:00	06/19/25 05:37	1
2,4,6-Trichlorophenol	ND		9.52	1.04	ug/L		06/13/25 07:00	06/19/25 05:37	1
2,4-Dichlorophenol	ND		9.52	0.543	ug/L		06/13/25 07:00	06/19/25 05:37	1
2,4-Dimethylphenol	ND		9.52	0.229	ug/L		06/13/25 07:00	06/19/25 05:37	1
2,4-Dinitrophenol	ND		28.6	4.46	ug/L		06/13/25 07:00	06/19/25 05:37	1
2,4-Dinitrotoluene	ND		9.52	0.619	ug/L		06/13/25 07:00	06/19/25 05:37	1

Client: S&ME Inc
Project/Site: Southside Park

Job ID: 400-277484-1

Client Sample ID: SW-1
Date Collected: 06/10/25 14:15
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277484-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		9.52	0.276	ug/L		06/13/25 07:00	06/19/25 05:37	1
2-Chloronaphthalene	ND		9.52	0.362	ug/L		06/13/25 07:00	06/19/25 05:37	1
2-Chlorophenol	ND		9.52	0.800	ug/L		06/13/25 07:00	06/19/25 05:37	1
2-Methylnaphthalene	ND		9.52	0.771	ug/L		06/13/25 07:00	06/19/25 05:37	1
2-Methylphenol	ND		9.52	0.724	ug/L		06/13/25 07:00	06/19/25 05:37	1
2-Nitroaniline	ND		9.52	1.30	ug/L		06/13/25 07:00	06/19/25 05:37	1
2-Nitrophenol	ND		9.52	1.11	ug/L		06/13/25 07:00	06/19/25 05:37	1
3 & 4 Methylphenol	ND		19.0	4.38	ug/L		06/13/25 07:00	06/19/25 05:37	1
3,3'-Dichlorobenzidine	ND		10.5	0.390	ug/L		06/13/25 07:00	06/19/25 05:37	1
3-Nitroaniline	ND		9.52	0.905	ug/L		06/13/25 07:00	06/19/25 05:37	1
4,6-Dinitro-2-methylphenol	ND		9.52	1.88	ug/L		06/13/25 07:00	06/19/25 05:37	1
4-Bromophenyl phenyl ether	ND		9.52	0.124	ug/L		06/13/25 07:00	06/19/25 05:37	1
4-Chloro-3-methylphenol	ND		9.52	0.695	ug/L		06/13/25 07:00	06/19/25 05:37	1
4-Chloroaniline	ND		9.52	0.267	ug/L		06/13/25 07:00	06/19/25 05:37	1
4-Chlorophenyl phenyl ether	ND		9.52	0.229	ug/L		06/13/25 07:00	06/19/25 05:37	1
4-Nitroaniline	ND		9.52	3.33	ug/L		06/13/25 07:00	06/19/25 05:37	1
4-Nitrophenol	ND		9.52	2.61	ug/L		06/13/25 07:00	06/19/25 05:37	1
Acenaphthene	ND		9.52	0.600	ug/L		06/13/25 07:00	06/19/25 05:37	1
Acenaphthylene	ND		9.52	0.724	ug/L		06/13/25 07:00	06/19/25 05:37	1
Acetophenone	ND		9.52	3.05	ug/L		06/13/25 07:00	06/19/25 05:37	1
Anthracene	ND		9.52	0.867	ug/L		06/13/25 07:00	06/19/25 05:37	1
Atrazine	ND		9.52	1.08	ug/L		06/13/25 07:00	06/19/25 05:37	1
Benzaldehyde	ND		9.52	0.638	ug/L		06/13/25 07:00	06/19/25 05:37	1
Benzo[a]anthracene	ND		9.52	0.952	ug/L		06/13/25 07:00	06/19/25 05:37	1
Benzo[a]pyrene	ND		9.52	1.05	ug/L		06/13/25 07:00	06/19/25 05:37	1
Benzo[b]fluoranthene	ND		9.52	1.14	ug/L		06/13/25 07:00	06/19/25 05:37	1
Benzo[g,h,i]perylene	ND		9.52	1.43	ug/L		06/13/25 07:00	06/19/25 05:37	1
Benzo[k]fluoranthene	ND		9.52	1.43	ug/L		06/13/25 07:00	06/19/25 05:37	1
bis (2-chloroisopropyl) ether	ND		9.52	0.886	ug/L		06/13/25 07:00	06/19/25 05:37	1
Bis(2-chloroethoxy)methane	ND		9.52	0.324	ug/L		06/13/25 07:00	06/19/25 05:37	1
Bis(2-chloroethyl)ether	ND		9.52	0.695	ug/L		06/13/25 07:00	06/19/25 05:37	1
Bis(2-ethylhexyl) phthalate	ND		9.52	3.81	ug/L		06/13/25 07:00	06/19/25 05:37	1
Butyl benzyl phthalate	ND		9.52	3.81	ug/L		06/13/25 07:00	06/19/25 05:37	1
Caprolactam	ND		9.52	2.29	ug/L		06/13/25 07:00	06/19/25 05:37	1
Carbazole	ND		9.52	0.305	ug/L		06/13/25 07:00	06/19/25 05:37	1
Chrysene	ND		9.52	1.14	ug/L		06/13/25 07:00	06/19/25 05:37	1
Dibenz(a,h)anthracene	ND		9.52	1.24	ug/L		06/13/25 07:00	06/19/25 05:37	1
Dibenzofuran	ND		9.52	0.610	ug/L		06/13/25 07:00	06/19/25 05:37	1
Diethyl phthalate	ND		9.52	3.81	ug/L		06/13/25 07:00	06/19/25 05:37	1
Dimethyl phthalate	ND		9.52	3.81	ug/L		06/13/25 07:00	06/19/25 05:37	1
Di-n-butyl phthalate	ND		9.52	3.81	ug/L		06/13/25 07:00	06/19/25 05:37	1
Di-n-octyl phthalate	ND		9.52	3.81	ug/L		06/13/25 07:00	06/19/25 05:37	1
Fluoranthene	ND		9.52	0.600	ug/L		06/13/25 07:00	06/19/25 05:37	1
Fluorene	ND		9.52	0.638	ug/L		06/13/25 07:00	06/19/25 05:37	1
Hexachlorobenzene	ND		9.52	0.238	ug/L		06/13/25 07:00	06/19/25 05:37	1
Hexachlorobutadiene	ND		9.52	0.524	ug/L		06/13/25 07:00	06/19/25 05:37	1
Hexachlorocyclopentadiene	ND		19.0	0.305	ug/L		06/13/25 07:00	06/19/25 05:37	1
Hexachloroethane	ND		9.52	0.505	ug/L		06/13/25 07:00	06/19/25 05:37	1
Indeno[1,2,3-cd]pyrene	ND		9.52	1.05	ug/L		06/13/25 07:00	06/19/25 05:37	1

Client Sample ID: SW-1
Date Collected: 06/10/25 14:15
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277484-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	ND		9.52	0.762	ug/L		06/13/25 07:00	06/19/25 05:37	1
Naphthalene	ND		9.52	0.714	ug/L		06/13/25 07:00	06/19/25 05:37	1
Nitrobenzene	ND		9.52	0.571	ug/L		06/13/25 07:00	06/19/25 05:37	1
N-Nitrosodi-n-propylamine	ND		9.52	0.314	ug/L		06/13/25 07:00	06/19/25 05:37	1
N-Nitrosodiphenylamine	ND		9.52	0.181	ug/L		06/13/25 07:00	06/19/25 05:37	1
Pentachlorophenol	ND		9.52	2.67	ug/L		06/13/25 07:00	06/19/25 05:37	1
Phenanthrene	ND		9.52	0.705	ug/L		06/13/25 07:00	06/19/25 05:37	1
Phenol	ND		9.52	0.648	ug/L		06/13/25 07:00	06/19/25 05:37	1
Pyrene	ND		9.52	0.600	ug/L		06/13/25 07:00	06/19/25 05:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*82*		*10 - 150*	*06/13/25 07:00*	*06/19/25 05:37*	*1*
2-Fluorobiphenyl (Surr)	*78*		*25 - 139*	*06/13/25 07:00*	*06/19/25 05:37*	*1*
2-Fluorophenol (Surr)	*90*		*10 - 150*	*06/13/25 07:00*	*06/19/25 05:37*	*1*
Nitrobenzene-d5 (Surr)	*81*		*22 - 150*	*06/13/25 07:00*	*06/19/25 05:37*	*1*
Phenol-d5 (Surr)	*90*		*10 - 150*	*06/13/25 07:00*	*06/19/25 05:37*	*1*
Terphenyl-d14 (Surr)	*55*		*28 - 150*	*06/13/25 07:00*	*06/19/25 05:37*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**58.8**		5.00	1.95	mg/L			06/18/25 18:05	5

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		06/20/25 12:15	06/25/25 01:14	1
Arsenic	ND		5.00	1.32	ug/L		06/20/25 12:15	06/25/25 01:14	1
Barium	**80.6**		10.0	0.410	ug/L		06/20/25 12:15	06/25/25 01:14	1
Beryllium	ND		1.00	0.147	ug/L		06/20/25 12:15	06/25/25 01:14	1
Cadmium	ND		0.700	0.237	ug/L		06/20/25 12:15	06/25/25 01:14	1
Chromium	ND		5.00	3.69	ug/L		06/20/25 12:15	06/25/25 01:14	1
Cobalt	**0.771**	**J**	5.00	0.411	ug/L		06/20/25 12:15	06/25/25 01:14	1
Copper	**4.69**		2.00	0.642	ug/L		06/20/25 12:15	06/25/25 01:14	1
Lead	**0.868**	**J**	1.00	0.864	ug/L		06/20/25 12:15	06/25/25 01:14	1
Manganese	**69.0**		5.00	1.29	ug/L		06/20/25 12:15	06/25/25 01:14	1
Nickel	**3.19**	**J**	5.00	0.422	ug/L		06/20/25 12:15	06/25/25 01:14	1
Selenium	ND		5.00	2.29	ug/L		06/20/25 12:15	06/25/25 01:14	1
Silver	ND		1.00	0.167	ug/L		06/20/25 12:15	06/25/25 01:14	1
Thallium	**0.781**	**J**	1.00	0.190	ug/L		06/20/25 12:15	06/25/25 01:14	1
Vanadium	**2.91**	**J**	5.00	1.22	ug/L		06/20/25 12:15	06/25/25 01:14	1
Zinc	**17.0**		10.0	8.91	ug/L		06/20/25 12:15	06/25/25 01:14	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		06/20/25 13:57	06/20/25 19:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	**0.0870**		0.0500	0.0460	mg/L			06/17/25 11:55	1
Nitrate as N (SM Nitrate by calc)	**2.06**	**H**	0.0500	0.0180	mg/L			06/16/25 13:27	1
Nitrite as N (SM 4500 NO2 B)	**0.0448**	**J H**	0.100	0.0180	mg/L			06/16/25 13:27	1

Client: S&ME Inc
Project/Site: Southside Park

Job ID: 400-277484-1

Client Sample ID: SW-1
Date Collected: 06/10/25 14:15
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277484-1
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N (SM 4500 NO3 F)	2.10		0.100	0.0360	mg/L			06/18/25 14:00	2

Client: S&ME Inc
Project/Site: Southside Park

Job ID: 400-277484-1

Client Sample ID: SW-2
Date Collected: 06/10/25 15:15
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277484-2
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			06/20/25 20:17	1
Benzene	ND		1.00	0.500	ug/L			06/20/25 20:17	1
Bromobenzene	ND		1.00	0.540	ug/L			06/20/25 20:17	1
Bromoform	ND		5.00	0.250	ug/L			06/20/25 20:17	1
Bromomethane	ND		1.00	0.980	ug/L			06/20/25 20:17	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/20/25 20:17	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/20/25 20:17	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/20/25 20:17	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/20/25 20:17	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/20/25 20:17	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/20/25 20:17	1
Chloroethane	ND		1.00	0.760	ug/L			06/20/25 20:17	1
Chloroform	ND		1.00	0.900	ug/L			06/20/25 20:17	1
Chloromethane	ND		1.00	0.400	ug/L			06/20/25 20:17	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/20/25 20:17	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/20/25 20:17	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/20/25 20:17	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/20/25 20:17	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/20/25 20:17	1
Dibromomethane	ND		5.00	0.220	ug/L			06/20/25 20:17	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/20/25 20:17	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/20/25 20:17	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/20/25 20:17	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/20/25 20:17	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/20/25 20:17	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/20/25 20:17	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/20/25 20:17	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 20:17	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 20:17	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 20:17	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/20/25 20:17	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/20/25 20:17	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/20/25 20:17	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/20/25 20:17	1
Hexachlorobutadiene	ND	*+	5.00	0.900	ug/L			06/20/25 20:17	1
Hexane	ND		1.00	0.960	ug/L			06/20/25 20:17	1
2-Hexanone	ND		25.0	4.26	ug/L			06/20/25 20:17	1
Iodomethane	ND		1.00	0.900	ug/L			06/20/25 20:17	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/20/25 20:17	1
Isopropyl ether	ND		1.00	0.740	ug/L			06/20/25 20:17	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/20/25 20:17	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/20/25 20:17	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/20/25 20:17	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/20/25 20:17	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/20/25 20:17	1
Naphthalene	ND		5.00	3.00	ug/L			06/20/25 20:17	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/20/25 20:17	1
n-Heptane	ND		1.00	0.210	ug/L			06/20/25 20:17	1
N-Propylbenzene	ND		1.00	0.690	ug/L			06/20/25 20:17	1

Client Sample ID: SW-2
Date Collected: 06/10/25 15:15
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277484-2
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			06/20/25 20:17	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/20/25 20:17	1
Styrene	ND		1.00	1.00	ug/L			06/20/25 20:17	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/20/25 20:17	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/20/25 20:17	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/20/25 20:17	1
Tetrachloroethene	**6.07**		1.00	0.330	ug/L			06/20/25 20:17	1
Toluene	ND		1.00	0.900	ug/L			06/20/25 20:17	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/20/25 20:17	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/20/25 20:17	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/20/25 20:17	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/20/25 20:17	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/20/25 20:17	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/20/25 20:17	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/20/25 20:17	1
Trichloroethene	ND		1.00	0.150	ug/L			06/20/25 20:17	1
Trichlorofluoromethane	ND	*+	1.00	0.250	ug/L			06/20/25 20:17	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/20/25 20:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/20/25 20:17	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/20/25 20:17	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/20/25 20:17	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/20/25 20:17	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/20/25 20:17	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/20/25 20:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*80*		*56 - 136*		*06/20/25 20:17*	*1*
Dibromofluoromethane	*119*		*79 - 130*		*06/20/25 20:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*59 - 146*		*06/20/25 20:17*	*1*
Toluene-d8 (Surr)	*89*		*64 - 132*		*06/20/25 20:17*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.278	0.278	ug/L		06/16/25 07:00	06/19/25 19:48	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*34*		*10 - 140*	*06/16/25 07:00*	*06/19/25 19:48*	*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		06/13/25 07:00	06/19/25 06:12	1
2,4,5-Trichlorophenol	ND		9.93	0.536	ug/L		06/13/25 07:00	06/19/25 06:12	1
2,4,6-Trichlorophenol	ND		9.93	1.08	ug/L		06/13/25 07:00	06/19/25 06:12	1
2,4-Dichlorophenol	ND		9.93	0.566	ug/L		06/13/25 07:00	06/19/25 06:12	1
2,4-Dimethylphenol	ND		9.93	0.238	ug/L		06/13/25 07:00	06/19/25 06:12	1
2,4-Dinitrophenol	ND		29.8	4.65	ug/L		06/13/25 07:00	06/19/25 06:12	1
2,4-Dinitrotoluene	ND		9.93	0.646	ug/L		06/13/25 07:00	06/19/25 06:12	1
2,6-Dinitrotoluene	ND		9.93	0.288	ug/L		06/13/25 07:00	06/19/25 06:12	1
2-Chloronaphthalene	ND		9.93	0.377	ug/L		06/13/25 07:00	06/19/25 06:12	1
2-Chlorophenol	ND		9.93	0.834	ug/L		06/13/25 07:00	06/19/25 06:12	1
2-Methylnaphthalene	ND		9.93	0.805	ug/L		06/13/25 07:00	06/19/25 06:12	1

Client: S&ME Inc
Project/Site: Southside Park

Job ID: 400-277484-1

Client Sample ID: SW-2
Date Collected: 06/10/25 15:15
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277484-2
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		9.93	0.755	ug/L		06/13/25 07:00	06/19/25 06:12	1
2-Nitroaniline	ND		9.93	1.36	ug/L		06/13/25 07:00	06/19/25 06:12	1
2-Nitrophenol	ND		9.93	1.16	ug/L		06/13/25 07:00	06/19/25 06:12	1
3 & 4 Methylphenol	ND		19.9	4.57	ug/L		06/13/25 07:00	06/19/25 06:12	1
3,3'-Dichlorobenzidine	ND		10.9	0.407	ug/L		06/13/25 07:00	06/19/25 06:12	1
3-Nitroaniline	ND		9.93	0.944	ug/L		06/13/25 07:00	06/19/25 06:12	1
4,6-Dinitro-2-methylphenol	ND		9.93	1.96	ug/L		06/13/25 07:00	06/19/25 06:12	1
4-Bromophenyl phenyl ether	ND		9.93	0.129	ug/L		06/13/25 07:00	06/19/25 06:12	1
4-Chloro-3-methylphenol	ND		9.93	0.725	ug/L		06/13/25 07:00	06/19/25 06:12	1
4-Chloroaniline	ND		9.93	0.278	ug/L		06/13/25 07:00	06/19/25 06:12	1
4-Chlorophenyl phenyl ether	ND		9.93	0.238	ug/L		06/13/25 07:00	06/19/25 06:12	1
4-Nitroaniline	ND		9.93	3.48	ug/L		06/13/25 07:00	06/19/25 06:12	1
4-Nitrophenol	ND		9.93	2.72	ug/L		06/13/25 07:00	06/19/25 06:12	1
Acenaphthene	ND		9.93	0.626	ug/L		06/13/25 07:00	06/19/25 06:12	1
Acenaphthylene	ND		9.93	0.755	ug/L		06/13/25 07:00	06/19/25 06:12	1
Acetophenone	ND		9.93	3.18	ug/L		06/13/25 07:00	06/19/25 06:12	1
Anthracene	ND		9.93	0.904	ug/L		06/13/25 07:00	06/19/25 06:12	1
Atrazine	ND		9.93	1.12	ug/L		06/13/25 07:00	06/19/25 06:12	1
Benzaldehyde	ND		9.93	0.666	ug/L		06/13/25 07:00	06/19/25 06:12	1
Benzo[a]anthracene	ND		9.93	0.993	ug/L		06/13/25 07:00	06/19/25 06:12	1
Benzo[a]pyrene	ND		9.93	1.09	ug/L		06/13/25 07:00	06/19/25 06:12	1
Benzo[b]fluoranthene	ND		9.93	1.19	ug/L		06/13/25 07:00	06/19/25 06:12	1
Benzo[g,h,i]perylene	ND		9.93	1.49	ug/L		06/13/25 07:00	06/19/25 06:12	1
Benzo[k]fluoranthene	ND		9.93	1.49	ug/L		06/13/25 07:00	06/19/25 06:12	1
bis (2-chloroisopropyl) ether	ND		9.93	0.924	ug/L		06/13/25 07:00	06/19/25 06:12	1
Bis(2-chloroethoxy)methane	ND		9.93	0.338	ug/L		06/13/25 07:00	06/19/25 06:12	1
Bis(2-chloroethyl)ether	ND		9.93	0.725	ug/L		06/13/25 07:00	06/19/25 06:12	1
Bis(2-ethylhexyl) phthalate	ND		9.93	3.97	ug/L		06/13/25 07:00	06/19/25 06:12	1
Butyl benzyl phthalate	ND		9.93	3.97	ug/L		06/13/25 07:00	06/19/25 06:12	1
Caprolactam	ND		9.93	2.38	ug/L		06/13/25 07:00	06/19/25 06:12	1
Carbazole	ND		9.93	0.318	ug/L		06/13/25 07:00	06/19/25 06:12	1
Chrysene	ND		9.93	1.19	ug/L		06/13/25 07:00	06/19/25 06:12	1
Dibenz(a,h)anthracene	ND		9.93	1.29	ug/L		06/13/25 07:00	06/19/25 06:12	1
Dibenzofuran	ND		9.93	0.636	ug/L		06/13/25 07:00	06/19/25 06:12	1
Diethyl phthalate	ND		9.93	3.97	ug/L		06/13/25 07:00	06/19/25 06:12	1
Dimethyl phthalate	ND		9.93	3.97	ug/L		06/13/25 07:00	06/19/25 06:12	1
Di-n-butyl phthalate	ND		9.93	3.97	ug/L		06/13/25 07:00	06/19/25 06:12	1
Di-n-octyl phthalate	ND		9.93	3.97	ug/L		06/13/25 07:00	06/19/25 06:12	1
Fluoranthene	ND		9.93	0.626	ug/L		06/13/25 07:00	06/19/25 06:12	1
Fluorene	ND		9.93	0.666	ug/L		06/13/25 07:00	06/19/25 06:12	1
Hexachlorobenzene	ND		9.93	0.248	ug/L		06/13/25 07:00	06/19/25 06:12	1
Hexachlorobutadiene	ND		9.93	0.546	ug/L		06/13/25 07:00	06/19/25 06:12	1
Hexachlorocyclopentadiene	ND		19.9	0.318	ug/L		06/13/25 07:00	06/19/25 06:12	1
Hexachloroethane	ND		9.93	0.526	ug/L		06/13/25 07:00	06/19/25 06:12	1
Indeno[1,2,3-cd]pyrene	ND		9.93	1.09	ug/L		06/13/25 07:00	06/19/25 06:12	1
Isophorone	ND		9.93	0.795	ug/L		06/13/25 07:00	06/19/25 06:12	1
Naphthalene	ND		9.93	0.745	ug/L		06/13/25 07:00	06/19/25 06:12	1
Nitrobenzene	ND		9.93	0.596	ug/L		06/13/25 07:00	06/19/25 06:12	1
N-Nitrosodi-n-propylamine	ND		9.93	0.328	ug/L		06/13/25 07:00	06/19/25 06:12	1

Client: S&ME Inc
Project/Site: Southside Park

Job ID: 400-277484-1

Client Sample ID: SW-2

Date Collected: 06/10/25 15:15
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277484-2

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		9.93	0.189	ug/L		06/13/25 07:00	06/19/25 06:12	1
Pentachlorophenol	ND		9.93	2.78	ug/L		06/13/25 07:00	06/19/25 06:12	1
Phenanthrene	ND		9.93	0.735	ug/L		06/13/25 07:00	06/19/25 06:12	1
Phenol	ND		9.93	0.675	ug/L		06/13/25 07:00	06/19/25 06:12	1
Pyrene	ND		9.93	0.626	ug/L		06/13/25 07:00	06/19/25 06:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*75*		*10 - 150*	*06/13/25 07:00*	*06/19/25 06:12*	*1*
2-Fluorobiphenyl (Surr)	*77*		*25 - 139*	*06/13/25 07:00*	*06/19/25 06:12*	*1*
2-Fluorophenol (Surr)	*84*		*10 - 150*	*06/13/25 07:00*	*06/19/25 06:12*	*1*
Nitrobenzene-d5 (Surr)	*78*		*22 - 150*	*06/13/25 07:00*	*06/19/25 06:12*	*1*
Phenol-d5 (Surr)	*87*		*10 - 150*	*06/13/25 07:00*	*06/19/25 06:12*	*1*
Terphenyl-d14 (Surr)	*59*		*28 - 150*	*06/13/25 07:00*	*06/19/25 06:12*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**63.7**		5.00	1.95	mg/L			06/13/25 23:48	5

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		06/20/25 12:15	06/25/25 01:31	1
Arsenic	ND		5.00	1.32	ug/L		06/20/25 12:15	06/25/25 01:31	1
Barium	**77.0**		10.0	0.410	ug/L		06/20/25 12:15	06/25/25 01:31	1
Beryllium	ND		1.00	0.147	ug/L		06/20/25 12:15	06/25/25 01:31	1
Cadmium	ND		0.700	0.237	ug/L		06/20/25 12:15	06/25/25 01:31	1
Chromium	ND		5.00	3.69	ug/L		06/20/25 12:15	06/25/25 01:31	1
Cobalt	**0.843**	**J**	5.00	0.411	ug/L		06/20/25 12:15	06/25/25 01:31	1
Copper	**4.85**		2.00	0.642	ug/L		06/20/25 12:15	06/25/25 01:31	1
Lead	ND		1.00	0.864	ug/L		06/20/25 12:15	06/25/25 01:31	1
Manganese	**78.6**		5.00	1.29	ug/L		06/20/25 12:15	06/25/25 01:31	1
Nickel	**3.50**	**J**	5.00	0.422	ug/L		06/20/25 12:15	06/25/25 01:31	1
Selenium	ND		5.00	2.29	ug/L		06/20/25 12:15	06/25/25 01:31	1
Silver	ND		1.00	0.167	ug/L		06/20/25 12:15	06/25/25 01:31	1
Thallium	**0.255**	**J**	1.00	0.190	ug/L		06/20/25 12:15	06/25/25 01:31	1
Vanadium	**2.90**	**J**	5.00	1.22	ug/L		06/20/25 12:15	06/25/25 01:31	1
Zinc	**11.6**		10.0	8.91	ug/L		06/20/25 12:15	06/25/25 01:31	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.166	ug/L		06/20/25 13:57	06/20/25 19:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	**0.298**		0.0500	0.0460	mg/L			06/17/25 11:57	1
Nitrate as N (SM Nitrate by calc)	**2.03**	**H**	0.0500	0.0180	mg/L			06/16/25 13:28	1
Nitrite as N (SM 4500 NO2 B)	**0.0485**	**J H**	0.100	0.0180	mg/L			06/16/25 13:28	1
Nitrate Nitrite as N (SM 4500 NO3 F)	**2.08**		0.100	0.0360	mg/L			06/18/25 13:58	2

Client: S&ME Inc
Project/Site: Southside Park

Job ID: 400-277484-1

Client Sample ID: SW-3

Date Collected: 06/10/25 15:45
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277484-3

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			06/20/25 20:44	1
Benzene	ND		1.00	0.500	ug/L			06/20/25 20:44	1
Bromobenzene	ND		1.00	0.540	ug/L			06/20/25 20:44	1
Bromoform	ND		5.00	0.250	ug/L			06/20/25 20:44	1
Bromomethane	ND		1.00	0.980	ug/L			06/20/25 20:44	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/20/25 20:44	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/20/25 20:44	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/20/25 20:44	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/20/25 20:44	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/20/25 20:44	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/20/25 20:44	1
Chloroethane	ND		1.00	0.760	ug/L			06/20/25 20:44	1
Chloroform	ND		1.00	0.900	ug/L			06/20/25 20:44	1
Chloromethane	ND		1.00	0.400	ug/L			06/20/25 20:44	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/20/25 20:44	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/20/25 20:44	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/20/25 20:44	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/20/25 20:44	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/20/25 20:44	1
Dibromomethane	ND		5.00	0.220	ug/L			06/20/25 20:44	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/20/25 20:44	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/20/25 20:44	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/20/25 20:44	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/20/25 20:44	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/20/25 20:44	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/20/25 20:44	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/20/25 20:44	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 20:44	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 20:44	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 20:44	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/20/25 20:44	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/20/25 20:44	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/20/25 20:44	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/20/25 20:44	1
Hexachlorobutadiene	ND	*+	5.00	0.900	ug/L			06/20/25 20:44	1
Hexane	ND		1.00	0.960	ug/L			06/20/25 20:44	1
2-Hexanone	ND		25.0	4.26	ug/L			06/20/25 20:44	1
Iodomethane	ND		1.00	0.900	ug/L			06/20/25 20:44	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/20/25 20:44	1
Isopropyl ether	ND		1.00	0.740	ug/L			06/20/25 20:44	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/20/25 20:44	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/20/25 20:44	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/20/25 20:44	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/20/25 20:44	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/20/25 20:44	1
Naphthalene	ND		5.00	3.00	ug/L			06/20/25 20:44	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/20/25 20:44	1
n-Heptane	ND		1.00	0.210	ug/L			06/20/25 20:44	1
N-Propylbenzene	ND		1.00	0.690	ug/L			06/20/25 20:44	1

Client Sample ID: SW-3
Date Collected: 06/10/25 15:45
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277484-3
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			06/20/25 20:44	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/20/25 20:44	1
Styrene	ND		1.00	1.00	ug/L			06/20/25 20:44	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/20/25 20:44	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/20/25 20:44	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/20/25 20:44	1
Tetrachloroethene	**12.0**		1.00	0.330	ug/L			06/20/25 20:44	1
Toluene	ND		1.00	0.900	ug/L			06/20/25 20:44	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/20/25 20:44	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/20/25 20:44	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/20/25 20:44	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/20/25 20:44	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/20/25 20:44	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/20/25 20:44	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/20/25 20:44	1
Trichloroethene	**0.468**	**J**	1.00	0.150	ug/L			06/20/25 20:44	1
Trichlorofluoromethane	ND	*+	1.00	0.250	ug/L			06/20/25 20:44	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/20/25 20:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/20/25 20:44	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/20/25 20:44	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/20/25 20:44	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/20/25 20:44	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/20/25 20:44	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/20/25 20:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*83*		*56 - 136*		*06/20/25 20:44*	*1*
Dibromofluoromethane	*121*		*79 - 130*		*06/20/25 20:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*116*		*59 - 146*		*06/20/25 20:44*	*1*
Toluene-d8 (Surr)	*88*		*64 - 132*		*06/20/25 20:44*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**0.309**		0.284	0.284	ug/L		06/16/25 07:00	06/19/25 20:10	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*34*		*10 - 140*	*06/16/25 07:00*	*06/19/25 20:10*	*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		9.23	0.388	ug/L		06/13/25 07:00	06/19/25 06:48	1
2,4,5-Trichlorophenol	ND		9.23	0.498	ug/L		06/13/25 07:00	06/19/25 06:48	1
2,4,6-Trichlorophenol	ND		9.23	1.01	ug/L		06/13/25 07:00	06/19/25 06:48	1
2,4-Dichlorophenol	ND		9.23	0.526	ug/L		06/13/25 07:00	06/19/25 06:48	1
2,4-Dimethylphenol	ND		9.23	0.222	ug/L		06/13/25 07:00	06/19/25 06:48	1
2,4-Dinitrophenol	ND		27.7	4.32	ug/L		06/13/25 07:00	06/19/25 06:48	1
2,4-Dinitrotoluene	ND		9.23	0.600	ug/L		06/13/25 07:00	06/19/25 06:48	1
2,6-Dinitrotoluene	ND		9.23	0.268	ug/L		06/13/25 07:00	06/19/25 06:48	1
2-Chloronaphthalene	ND		9.23	0.351	ug/L		06/13/25 07:00	06/19/25 06:48	1
2-Chlorophenol	ND		9.23	0.775	ug/L		06/13/25 07:00	06/19/25 06:48	1
2-Methylnaphthalene	ND		9.23	0.748	ug/L		06/13/25 07:00	06/19/25 06:48	1

Client: S&ME Inc
Project/Site: Southside Park

Job ID: 400-277484-1

Client Sample ID: SW-3
Date Collected: 06/10/25 15:45
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277484-3
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		9.23	0.702	ug/L		06/13/25 07:00	06/19/25 06:48	1
2-Nitroaniline	ND		9.23	1.26	ug/L		06/13/25 07:00	06/19/25 06:48	1
2-Nitrophenol	ND		9.23	1.08	ug/L		06/13/25 07:00	06/19/25 06:48	1
3 & 4 Methylphenol	ND		18.5	4.25	ug/L		06/13/25 07:00	06/19/25 06:48	1
3,3'-Dichlorobenzidine	ND		10.2	0.378	ug/L		06/13/25 07:00	06/19/25 06:48	1
3-Nitroaniline	ND		9.23	0.877	ug/L		06/13/25 07:00	06/19/25 06:48	1
4,6-Dinitro-2-methylphenol	ND		9.23	1.82	ug/L		06/13/25 07:00	06/19/25 06:48	1
4-Bromophenyl phenyl ether	ND		9.23	0.120	ug/L		06/13/25 07:00	06/19/25 06:48	1
4-Chloro-3-methylphenol	ND		9.23	0.674	ug/L		06/13/25 07:00	06/19/25 06:48	1
4-Chloroaniline	ND		9.23	0.258	ug/L		06/13/25 07:00	06/19/25 06:48	1
4-Chlorophenyl phenyl ether	ND		9.23	0.222	ug/L		06/13/25 07:00	06/19/25 06:48	1
4-Nitroaniline	ND		9.23	3.23	ug/L		06/13/25 07:00	06/19/25 06:48	1
4-Nitrophenol	ND		9.23	2.53	ug/L		06/13/25 07:00	06/19/25 06:48	1
Acenaphthene	ND		9.23	0.582	ug/L		06/13/25 07:00	06/19/25 06:48	1
Acenaphthylene	ND		9.23	0.702	ug/L		06/13/25 07:00	06/19/25 06:48	1
Acetophenone	ND		9.23	2.95	ug/L		06/13/25 07:00	06/19/25 06:48	1
Anthracene	ND		9.23	0.840	ug/L		06/13/25 07:00	06/19/25 06:48	1
Atrazine	ND		9.23	1.04	ug/L		06/13/25 07:00	06/19/25 06:48	1
Benzaldehyde	ND		9.23	0.618	ug/L		06/13/25 07:00	06/19/25 06:48	1
Benzo[a]anthracene	ND		9.23	0.923	ug/L		06/13/25 07:00	06/19/25 06:48	1
Benzo[a]pyrene	ND		9.23	1.02	ug/L		06/13/25 07:00	06/19/25 06:48	1
Benzo[b]fluoranthene	ND		9.23	1.11	ug/L		06/13/25 07:00	06/19/25 06:48	1
Benzo[g,h,i]perylene	ND		9.23	1.38	ug/L		06/13/25 07:00	06/19/25 06:48	1
Benzo[k]fluoranthene	ND		9.23	1.38	ug/L		06/13/25 07:00	06/19/25 06:48	1
bis (2-chloroisopropyl) ether	ND		9.23	0.858	ug/L		06/13/25 07:00	06/19/25 06:48	1
Bis(2-chloroethoxy)methane	ND		9.23	0.314	ug/L		06/13/25 07:00	06/19/25 06:48	1
Bis(2-chloroethyl)ether	ND		9.23	0.674	ug/L		06/13/25 07:00	06/19/25 06:48	1
Bis(2-ethylhexyl) phthalate	ND		9.23	3.69	ug/L		06/13/25 07:00	06/19/25 06:48	1
Butyl benzyl phthalate	ND		9.23	3.69	ug/L		06/13/25 07:00	06/19/25 06:48	1
Caprolactam	ND		9.23	2.22	ug/L		06/13/25 07:00	06/19/25 06:48	1
Carbazole	ND		9.23	0.295	ug/L		06/13/25 07:00	06/19/25 06:48	1
Chrysene	ND		9.23	1.11	ug/L		06/13/25 07:00	06/19/25 06:48	1
Dibenz(a,h)anthracene	ND		9.23	1.20	ug/L		06/13/25 07:00	06/19/25 06:48	1
Dibenzofuran	ND		9.23	0.591	ug/L		06/13/25 07:00	06/19/25 06:48	1
Diethyl phthalate	ND		9.23	3.69	ug/L		06/13/25 07:00	06/19/25 06:48	1
Dimethyl phthalate	ND		9.23	3.69	ug/L		06/13/25 07:00	06/19/25 06:48	1
Di-n-butyl phthalate	ND		9.23	3.69	ug/L		06/13/25 07:00	06/19/25 06:48	1
Di-n-octyl phthalate	ND		9.23	3.69	ug/L		06/13/25 07:00	06/19/25 06:48	1
Fluoranthene	ND		9.23	0.582	ug/L		06/13/25 07:00	06/19/25 06:48	1
Fluorene	ND		9.23	0.618	ug/L		06/13/25 07:00	06/19/25 06:48	1
Hexachlorobenzene	ND		9.23	0.231	ug/L		06/13/25 07:00	06/19/25 06:48	1
Hexachlorobutadiene	ND		9.23	0.508	ug/L		06/13/25 07:00	06/19/25 06:48	1
Hexachlorocyclopentadiene	ND		18.5	0.295	ug/L		06/13/25 07:00	06/19/25 06:48	1
Hexachloroethane	ND		9.23	0.489	ug/L		06/13/25 07:00	06/19/25 06:48	1
Indeno[1,2,3-cd]pyrene	ND		9.23	1.02	ug/L		06/13/25 07:00	06/19/25 06:48	1
Isophorone	ND		9.23	0.738	ug/L		06/13/25 07:00	06/19/25 06:48	1
Naphthalene	ND		9.23	0.692	ug/L		06/13/25 07:00	06/19/25 06:48	1
Nitrobenzene	ND		9.23	0.554	ug/L		06/13/25 07:00	06/19/25 06:48	1
N-Nitrosodi-n-propylamine	ND		9.23	0.305	ug/L		06/13/25 07:00	06/19/25 06:48	1

Client Sample ID: SW-3

Date Collected: 06/10/25 15:45
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277484-3

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		9.23	0.175	ug/L		06/13/25 07:00	06/19/25 06:48	1
Pentachlorophenol	ND		9.23	2.58	ug/L		06/13/25 07:00	06/19/25 06:48	1
Phenanthrene	ND		9.23	0.683	ug/L		06/13/25 07:00	06/19/25 06:48	1
Phenol	ND		9.23	0.628	ug/L		06/13/25 07:00	06/19/25 06:48	1
Pyrene	ND		9.23	0.582	ug/L		06/13/25 07:00	06/19/25 06:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*80*		*10 - 150*	*06/13/25 07:00*	*06/19/25 06:48*	*1*
2-Fluorobiphenyl (Surr)	*74*		*25 - 139*	*06/13/25 07:00*	*06/19/25 06:48*	*1*
2-Fluorophenol (Surr)	*82*		*10 - 150*	*06/13/25 07:00*	*06/19/25 06:48*	*1*
Nitrobenzene-d5 (Surr)	*82*		*22 - 150*	*06/13/25 07:00*	*06/19/25 06:48*	*1*
Phenol-d5 (Surr)	*79*		*10 - 150*	*06/13/25 07:00*	*06/19/25 06:48*	*1*
Terphenyl-d14 (Surr)	*62*		*28 - 150*	*06/13/25 07:00*	*06/19/25 06:48*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**42.6**		1.00	0.390	mg/L			06/13/25 01:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	2.45	ug/L		06/20/25 12:15	06/25/25 01:34	1
Arsenic	ND		5.00	1.32	ug/L		06/20/25 12:15	06/25/25 01:34	1
Barium	**76.7**		10.0	0.410	ug/L		06/20/25 12:15	06/25/25 01:34	1
Beryllium	ND		1.00	0.147	ug/L		06/20/25 12:15	06/25/25 01:34	1
Cadmium	ND		0.700	0.237	ug/L		06/20/25 12:15	06/25/25 01:34	1
Chromium	ND		5.00	3.69	ug/L		06/20/25 12:15	06/25/25 01:34	1
Cobalt	**0.951**	**J**	5.00	0.411	ug/L		06/20/25 12:15	06/25/25 01:34	1
Copper	**5.86**		2.00	0.642	ug/L		06/20/25 12:15	06/25/25 01:34	1
Lead	ND		1.00	0.864	ug/L		06/20/25 12:15	06/25/25 01:34	1
Manganese	**46.5**		5.00	1.29	ug/L		06/20/25 12:15	06/25/25 01:34	1
Nickel	**4.27**	**J**	5.00	0.422	ug/L		06/20/25 12:15	06/25/25 01:34	1
Selenium	ND		5.00	2.29	ug/L		06/20/25 12:15	06/25/25 01:34	1
Silver	ND		1.00	0.167	ug/L		06/20/25 12:15	06/25/25 01:34	1
Thallium	ND		1.00	0.190	ug/L		06/20/25 12:15	06/25/25 01:34	1
Vanadium	**3.30**	**J**	5.00	1.22	ug/L		06/20/25 12:15	06/25/25 01:34	1
Zinc	**16.5**		10.0	8.91	ug/L		06/20/25 12:15	06/25/25 01:34	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.166	ug/L		06/20/25 13:57	06/20/25 19:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	**0.180**		0.0500	0.0460	mg/L			06/17/25 12:00	1
Nitrate as N (SM Nitrate by calc)	**1.86**	**H**	0.0500	0.0180	mg/L			06/16/25 13:28	1
Nitrite as N (SM 4500 NO2 B)	**0.0623**	**J H**	0.100	0.0180	mg/L			06/16/25 13:28	1
Nitrate Nitrite as N (SM 4500 NO3 F)	**1.92**		0.0500	0.0180	mg/L			06/18/25 13:57	1

Client: S&ME Inc
Project/Site: Southside Park

Job ID: 400-277484-1

Client Sample ID: SW-4
Date Collected: 06/10/25 16:15
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277484-4
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			06/20/25 21:11	1
Benzene	ND		1.00	0.500	ug/L			06/20/25 21:11	1
Bromobenzene	ND		1.00	0.540	ug/L			06/20/25 21:11	1
Bromoform	ND		5.00	0.250	ug/L			06/20/25 21:11	1
Bromomethane	ND		1.00	0.980	ug/L			06/20/25 21:11	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/20/25 21:11	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/20/25 21:11	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/20/25 21:11	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/20/25 21:11	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/20/25 21:11	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/20/25 21:11	1
Chloroethane	ND		1.00	0.760	ug/L			06/20/25 21:11	1
Chloroform	ND		1.00	0.900	ug/L			06/20/25 21:11	1
Chloromethane	ND		1.00	0.400	ug/L			06/20/25 21:11	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/20/25 21:11	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/20/25 21:11	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/20/25 21:11	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/20/25 21:11	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/20/25 21:11	1
Dibromomethane	ND		5.00	0.220	ug/L			06/20/25 21:11	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/20/25 21:11	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/20/25 21:11	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/20/25 21:11	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/20/25 21:11	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/20/25 21:11	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/20/25 21:11	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/20/25 21:11	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 21:11	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 21:11	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 21:11	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/20/25 21:11	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/20/25 21:11	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/20/25 21:11	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/20/25 21:11	1
Hexachlorobutadiene	ND	*+	5.00	0.900	ug/L			06/20/25 21:11	1
Hexane	ND		1.00	0.960	ug/L			06/20/25 21:11	1
2-Hexanone	ND		25.0	4.26	ug/L			06/20/25 21:11	1
Iodomethane	ND		1.00	0.900	ug/L			06/20/25 21:11	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/20/25 21:11	1
Isopropyl ether	ND		1.00	0.740	ug/L			06/20/25 21:11	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/20/25 21:11	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/20/25 21:11	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/20/25 21:11	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/20/25 21:11	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/20/25 21:11	1
Naphthalene	ND		5.00	3.00	ug/L			06/20/25 21:11	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/20/25 21:11	1
n-Heptane	ND		1.00	0.210	ug/L			06/20/25 21:11	1
N-Propylbenzene	ND		1.00	0.690	ug/L			06/20/25 21:11	1

Client Sample ID: SW-4
Date Collected: 06/10/25 16:15
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277484-4
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			06/20/25 21:11	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/20/25 21:11	1
Styrene	ND		1.00	1.00	ug/L			06/20/25 21:11	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/20/25 21:11	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/20/25 21:11	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/20/25 21:11	1
Tetrachloroethene	ND		1.00	0.330	ug/L			06/20/25 21:11	1
Toluene	ND		1.00	0.900	ug/L			06/20/25 21:11	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/20/25 21:11	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/20/25 21:11	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/20/25 21:11	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/20/25 21:11	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/20/25 21:11	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/20/25 21:11	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/20/25 21:11	1
Trichloroethene	ND		1.00	0.150	ug/L			06/20/25 21:11	1
Trichlorofluoromethane	ND	*+	1.00	0.250	ug/L			06/20/25 21:11	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/20/25 21:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/20/25 21:11	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/20/25 21:11	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/20/25 21:11	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/20/25 21:11	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/20/25 21:11	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/20/25 21:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*82*		*56 - 136*		*06/20/25 21:11*	*1*
Dibromofluoromethane	*121*		*79 - 130*		*06/20/25 21:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*118*		*59 - 146*		*06/20/25 21:11*	*1*
Toluene-d8 (Surr)	*87*		*64 - 132*		*06/20/25 21:11*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.294	0.294	ug/L		06/16/25 07:00	06/19/25 20:32	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*33*		*10 - 140*	*06/16/25 07:00*	*06/19/25 20:32*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.84	0.413	ug/L		06/13/25 07:00	06/19/25 07:24	1
2,4,5-Trichlorophenol	ND		9.84	0.531	ug/L		06/13/25 07:00	06/19/25 07:24	1
2,4,6-Trichlorophenol	ND		9.84	1.07	ug/L		06/13/25 07:00	06/19/25 07:24	1
2,4-Dichlorophenol	ND		9.84	0.561	ug/L		06/13/25 07:00	06/19/25 07:24	1
2,4-Dimethylphenol	ND		9.84	0.236	ug/L		06/13/25 07:00	06/19/25 07:24	1
2,4-Dinitrophenol	ND		29.5	4.60	ug/L		06/13/25 07:00	06/19/25 07:24	1
2,4-Dinitrotoluene	ND		9.84	0.639	ug/L		06/13/25 07:00	06/19/25 07:24	1
2,6-Dinitrotoluene	ND		9.84	0.285	ug/L		06/13/25 07:00	06/19/25 07:24	1
2-Chloronaphthalene	ND		9.84	0.374	ug/L		06/13/25 07:00	06/19/25 07:24	1
2-Chlorophenol	ND		9.84	0.826	ug/L		06/13/25 07:00	06/19/25 07:24	1
2-Methylnaphthalene	ND		9.84	0.797	ug/L		06/13/25 07:00	06/19/25 07:24	1

Client: S&ME Inc
Project/Site: Southside Park

Job ID: 400-277484-1

Client Sample ID: SW-4
Date Collected: 06/10/25 16:15
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277484-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		9.84	0.748	ug/L		06/13/25 07:00	06/19/25 07:24	1
2-Nitroaniline	ND		9.84	1.35	ug/L		06/13/25 07:00	06/19/25 07:24	1
2-Nitrophenol	ND		9.84	1.15	ug/L		06/13/25 07:00	06/19/25 07:24	1
3 & 4 Methylphenol	ND		19.7	4.52	ug/L		06/13/25 07:00	06/19/25 07:24	1
3,3'-Dichlorobenzidine	ND		10.8	0.403	ug/L		06/13/25 07:00	06/19/25 07:24	1
3-Nitroaniline	ND		9.84	0.934	ug/L		06/13/25 07:00	06/19/25 07:24	1
4,6-Dinitro-2-methylphenol	ND		9.84	1.94	ug/L		06/13/25 07:00	06/19/25 07:24	1
4-Bromophenyl phenyl ether	ND		9.84	0.128	ug/L		06/13/25 07:00	06/19/25 07:24	1
4-Chloro-3-methylphenol	ND		9.84	0.718	ug/L		06/13/25 07:00	06/19/25 07:24	1
4-Chloroaniline	ND		9.84	0.275	ug/L		06/13/25 07:00	06/19/25 07:24	1
4-Chlorophenyl phenyl ether	ND		9.84	0.236	ug/L		06/13/25 07:00	06/19/25 07:24	1
4-Nitroaniline	ND		9.84	3.44	ug/L		06/13/25 07:00	06/19/25 07:24	1
4-Nitrophenol	ND		9.84	2.70	ug/L		06/13/25 07:00	06/19/25 07:24	1
Acenaphthene	ND		9.84	0.620	ug/L		06/13/25 07:00	06/19/25 07:24	1
Acenaphthylene	ND		9.84	0.748	ug/L		06/13/25 07:00	06/19/25 07:24	1
Acetophenone	ND		9.84	3.15	ug/L		06/13/25 07:00	06/19/25 07:24	1
Anthracene	ND		9.84	0.895	ug/L		06/13/25 07:00	06/19/25 07:24	1
Atrazine	ND		9.84	1.11	ug/L		06/13/25 07:00	06/19/25 07:24	1
Benzaldehyde	ND		9.84	0.659	ug/L		06/13/25 07:00	06/19/25 07:24	1
Benzo[a]anthracene	ND		9.84	0.984	ug/L		06/13/25 07:00	06/19/25 07:24	1
Benzo[a]pyrene	ND		9.84	1.08	ug/L		06/13/25 07:00	06/19/25 07:24	1
Benzo[b]fluoranthene	ND		9.84	1.18	ug/L		06/13/25 07:00	06/19/25 07:24	1
Benzo[g,h,i]perylene	ND		9.84	1.48	ug/L		06/13/25 07:00	06/19/25 07:24	1
Benzo[k]fluoranthene	ND		9.84	1.48	ug/L		06/13/25 07:00	06/19/25 07:24	1
bis (2-chloroisopropyl) ether	ND		9.84	0.915	ug/L		06/13/25 07:00	06/19/25 07:24	1
Bis(2-chloroethoxy)methane	ND		9.84	0.334	ug/L		06/13/25 07:00	06/19/25 07:24	1
Bis(2-chloroethyl)ether	ND		9.84	0.718	ug/L		06/13/25 07:00	06/19/25 07:24	1
Bis(2-ethylhexyl) phthalate	ND		9.84	3.93	ug/L		06/13/25 07:00	06/19/25 07:24	1
Butyl benzyl phthalate	ND		9.84	3.93	ug/L		06/13/25 07:00	06/19/25 07:24	1
Caprolactam	ND		9.84	2.36	ug/L		06/13/25 07:00	06/19/25 07:24	1
Carbazole	ND		9.84	0.315	ug/L		06/13/25 07:00	06/19/25 07:24	1
Chrysene	ND		9.84	1.18	ug/L		06/13/25 07:00	06/19/25 07:24	1
Dibenz(a,h)anthracene	ND		9.84	1.28	ug/L		06/13/25 07:00	06/19/25 07:24	1
Dibenzofuran	ND		9.84	0.630	ug/L		06/13/25 07:00	06/19/25 07:24	1
Diethyl phthalate	ND		9.84	3.93	ug/L		06/13/25 07:00	06/19/25 07:24	1
Dimethyl phthalate	ND		9.84	3.93	ug/L		06/13/25 07:00	06/19/25 07:24	1
Di-n-butyl phthalate	ND		9.84	3.93	ug/L		06/13/25 07:00	06/19/25 07:24	1
Di-n-octyl phthalate	ND		9.84	3.93	ug/L		06/13/25 07:00	06/19/25 07:24	1
Fluoranthene	ND		9.84	0.620	ug/L		06/13/25 07:00	06/19/25 07:24	1
Fluorene	ND		9.84	0.659	ug/L		06/13/25 07:00	06/19/25 07:24	1
Hexachlorobenzene	ND		9.84	0.246	ug/L		06/13/25 07:00	06/19/25 07:24	1
Hexachlorobutadiene	ND		9.84	0.541	ug/L		06/13/25 07:00	06/19/25 07:24	1
Hexachlorocyclopentadiene	ND		19.7	0.315	ug/L		06/13/25 07:00	06/19/25 07:24	1
Hexachloroethane	ND		9.84	0.521	ug/L		06/13/25 07:00	06/19/25 07:24	1
Indeno[1,2,3-cd]pyrene	ND		9.84	1.08	ug/L		06/13/25 07:00	06/19/25 07:24	1
Isophorone	ND		9.84	0.787	ug/L		06/13/25 07:00	06/19/25 07:24	1
Naphthalene	ND		9.84	0.738	ug/L		06/13/25 07:00	06/19/25 07:24	1
Nitrobenzene	ND		9.84	0.590	ug/L		06/13/25 07:00	06/19/25 07:24	1
N-Nitrosodi-n-propylamine	ND		9.84	0.325	ug/L		06/13/25 07:00	06/19/25 07:24	1

Client: S&ME Inc
Project/Site: Southside Park

Job ID: 400-277484-1

Client Sample ID: SW-4

Date Collected: 06/10/25 16:15
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277484-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		9.84	0.187	ug/L		06/13/25 07:00	06/19/25 07:24	1
Pentachlorophenol	ND		9.84	2.75	ug/L		06/13/25 07:00	06/19/25 07:24	1
Phenanthrene	ND		9.84	0.728	ug/L		06/13/25 07:00	06/19/25 07:24	1
Phenol	ND		9.84	0.669	ug/L		06/13/25 07:00	06/19/25 07:24	1
Pyrene	ND		9.84	0.620	ug/L		06/13/25 07:00	06/19/25 07:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*78*		*10 - 150*	*06/13/25 07:00*	*06/19/25 07:24*	*1*
2-Fluorobiphenyl (Surr)	*76*		*25 - 139*	*06/13/25 07:00*	*06/19/25 07:24*	*1*
2-Fluorophenol (Surr)	*79*		*10 - 150*	*06/13/25 07:00*	*06/19/25 07:24*	*1*
Nitrobenzene-d5 (Surr)	*79*		*22 - 150*	*06/13/25 07:00*	*06/19/25 07:24*	*1*
Phenol-d5 (Surr)	*78*		*10 - 150*	*06/13/25 07:00*	*06/19/25 07:24*	*1*
Terphenyl-d14 (Surr)	*61*		*28 - 150*	*06/13/25 07:00*	*06/19/25 07:24*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**21.5**		1.00	0.390	mg/L			06/13/25 01:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	2.45	ug/L		06/20/25 12:15	06/25/25 01:37	1
Arsenic	ND		5.00	1.32	ug/L		06/20/25 12:15	06/25/25 01:37	1
Barium	**48.1**		10.0	0.410	ug/L		06/20/25 12:15	06/25/25 01:37	1
Beryllium	ND		1.00	0.147	ug/L		06/20/25 12:15	06/25/25 01:37	1
Cadmium	ND		0.700	0.237	ug/L		06/20/25 12:15	06/25/25 01:37	1
Chromium	ND		5.00	3.69	ug/L		06/20/25 12:15	06/25/25 01:37	1
Cobalt	**0.550**	**J**	5.00	0.411	ug/L		06/20/25 12:15	06/25/25 01:37	1
Copper	**4.43**		2.00	0.642	ug/L		06/20/25 12:15	06/25/25 01:37	1
Lead	**3.42**		1.00	0.864	ug/L		06/20/25 12:15	06/25/25 01:37	1
Manganese	**55.4**		5.00	1.29	ug/L		06/20/25 12:15	06/25/25 01:37	1
Nickel	**1.69**	**J**	5.00	0.422	ug/L		06/20/25 12:15	06/25/25 01:37	1
Selenium	ND		5.00	2.29	ug/L		06/20/25 12:15	06/25/25 01:37	1
Silver	ND		1.00	0.167	ug/L		06/20/25 12:15	06/25/25 01:37	1
Thallium	ND		1.00	0.190	ug/L		06/20/25 12:15	06/25/25 01:37	1
Vanadium	**3.90**	**J**	5.00	1.22	ug/L		06/20/25 12:15	06/25/25 01:37	1
Zinc	**15.7**		10.0	8.91	ug/L		06/20/25 12:15	06/25/25 01:37	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		06/20/25 13:57	06/20/25 19:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		0.0500	0.0460	mg/L			06/17/25 12:03	1
Nitrate as N (SM Nitrate by calc)	**0.707**	**H**	0.0500	0.0180	mg/L			06/16/25 13:29	1
Nitrite as N (SM 4500 NO2 B)	ND	H	0.100	0.0180	mg/L			06/16/25 13:29	1
Nitrate Nitrite as N (SM 4500 NO3 F)	**0.707**	**F1**	0.0500	0.0180	mg/L			06/18/25 13:52	1

Client: S&ME Inc
Project/Site: Southside Park

Job ID: 400-277484-1

Client Sample ID: SW-5
Date Collected: 06/10/25 16:40
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277484-5
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			06/20/25 21:39	1
Benzene	ND		1.00	0.500	ug/L			06/20/25 21:39	1
Bromobenzene	ND		1.00	0.540	ug/L			06/20/25 21:39	1
Bromoform	ND		5.00	0.250	ug/L			06/20/25 21:39	1
Bromomethane	ND		1.00	0.980	ug/L			06/20/25 21:39	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/20/25 21:39	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/20/25 21:39	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/20/25 21:39	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/20/25 21:39	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/20/25 21:39	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/20/25 21:39	1
Chloroethane	ND		1.00	0.760	ug/L			06/20/25 21:39	1
Chloroform	ND		1.00	0.900	ug/L			06/20/25 21:39	1
Chloromethane	ND		1.00	0.400	ug/L			06/20/25 21:39	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/20/25 21:39	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/20/25 21:39	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/20/25 21:39	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/20/25 21:39	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/20/25 21:39	1
Dibromomethane	ND		5.00	0.220	ug/L			06/20/25 21:39	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/20/25 21:39	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/20/25 21:39	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/20/25 21:39	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/20/25 21:39	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/20/25 21:39	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/20/25 21:39	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/20/25 21:39	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 21:39	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 21:39	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 21:39	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/20/25 21:39	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/20/25 21:39	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/20/25 21:39	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/20/25 21:39	1
Hexachlorobutadiene	ND	*+	5.00	0.900	ug/L			06/20/25 21:39	1
Hexane	ND		1.00	0.960	ug/L			06/20/25 21:39	1
2-Hexanone	ND		25.0	4.26	ug/L			06/20/25 21:39	1
Iodomethane	ND		1.00	0.900	ug/L			06/20/25 21:39	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/20/25 21:39	1
Isopropyl ether	ND		1.00	0.740	ug/L			06/20/25 21:39	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/20/25 21:39	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/20/25 21:39	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/20/25 21:39	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/20/25 21:39	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/20/25 21:39	1
Naphthalene	ND		5.00	3.00	ug/L			06/20/25 21:39	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/20/25 21:39	1
n-Heptane	ND		1.00	0.210	ug/L			06/20/25 21:39	1
N-Propylbenzene	ND		1.00	0.690	ug/L			06/20/25 21:39	1

Client Sample ID: SW-5
Date Collected: 06/10/25 16:40
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277484-5
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			06/20/25 21:39	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/20/25 21:39	1
Styrene	ND		1.00	1.00	ug/L			06/20/25 21:39	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/20/25 21:39	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/20/25 21:39	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/20/25 21:39	1
Tetrachloroethene	ND		1.00	0.330	ug/L			06/20/25 21:39	1
Toluene	ND		1.00	0.900	ug/L			06/20/25 21:39	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/20/25 21:39	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/20/25 21:39	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/20/25 21:39	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/20/25 21:39	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/20/25 21:39	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/20/25 21:39	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/20/25 21:39	1
Trichloroethene	ND		1.00	0.150	ug/L			06/20/25 21:39	1
Trichlorofluoromethane	ND	*+	1.00	0.250	ug/L			06/20/25 21:39	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/20/25 21:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/20/25 21:39	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/20/25 21:39	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/20/25 21:39	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/20/25 21:39	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/20/25 21:39	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/20/25 21:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*81*		*56 - 136*		*06/20/25 21:39*	*1*
Dibromofluoromethane	*123*		*79 - 130*		*06/20/25 21:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*59 - 146*		*06/20/25 21:39*	*1*
Toluene-d8 (Surr)	*88*		*64 - 132*		*06/20/25 21:39*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.286	0.286	ug/L		06/16/25 07:00	06/19/25 20:54	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*34*		*10 - 140*	*06/16/25 07:00*	*06/19/25 20:54*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		10.1	0.423	ug/L		06/13/25 07:00	06/19/25 08:00	1
2,4,5-Trichlorophenol	ND		10.1	0.544	ug/L		06/13/25 07:00	06/19/25 08:00	1
2,4,6-Trichlorophenol	ND		10.1	1.10	ug/L		06/13/25 07:00	06/19/25 08:00	1
2,4-Dichlorophenol	ND		10.1	0.574	ug/L		06/13/25 07:00	06/19/25 08:00	1
2,4-Dimethylphenol	ND		10.1	0.242	ug/L		06/13/25 07:00	06/19/25 08:00	1
2,4-Dinitrophenol	ND		30.2	4.71	ug/L		06/13/25 07:00	06/19/25 08:00	1
2,4-Dinitrotoluene	ND		10.1	0.654	ug/L		06/13/25 07:00	06/19/25 08:00	1
2,6-Dinitrotoluene	ND		10.1	0.292	ug/L		06/13/25 07:00	06/19/25 08:00	1
2-Chloronaphthalene	ND		10.1	0.383	ug/L		06/13/25 07:00	06/19/25 08:00	1
2-Chlorophenol	ND		10.1	0.846	ug/L		06/13/25 07:00	06/19/25 08:00	1
2-Methylnaphthalene	ND		10.1	0.815	ug/L		06/13/25 07:00	06/19/25 08:00	1

Client: S&ME Inc
Project/Site: Southside Park

Job ID: 400-277484-1

Client Sample ID: SW-5
Date Collected: 06/10/25 16:40
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277484-5
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		10.1	0.765	ug/L		06/13/25 07:00	06/19/25 08:00	1
2-Nitroaniline	ND		10.1	1.38	ug/L		06/13/25 07:00	06/19/25 08:00	1
2-Nitrophenol	ND		10.1	1.18	ug/L		06/13/25 07:00	06/19/25 08:00	1
3 & 4 Methylphenol	ND		20.1	4.63	ug/L		06/13/25 07:00	06/19/25 08:00	1
3,3'-Dichlorobenzidine	ND		11.1	0.413	ug/L		06/13/25 07:00	06/19/25 08:00	1
3-Nitroaniline	ND		10.1	0.956	ug/L		06/13/25 07:00	06/19/25 08:00	1
4,6-Dinitro-2-methylphenol	ND		10.1	1.98	ug/L		06/13/25 07:00	06/19/25 08:00	1
4-Bromophenyl phenyl ether	ND		10.1	0.131	ug/L		06/13/25 07:00	06/19/25 08:00	1
4-Chloro-3-methylphenol	ND		10.1	0.735	ug/L		06/13/25 07:00	06/19/25 08:00	1
4-Chloroaniline	ND		10.1	0.282	ug/L		06/13/25 07:00	06/19/25 08:00	1
4-Chlorophenyl phenyl ether	ND		10.1	0.242	ug/L		06/13/25 07:00	06/19/25 08:00	1
4-Nitroaniline	ND		10.1	3.52	ug/L		06/13/25 07:00	06/19/25 08:00	1
4-Nitrophenol	ND		10.1	2.76	ug/L		06/13/25 07:00	06/19/25 08:00	1
Acenaphthene	ND		10.1	0.634	ug/L		06/13/25 07:00	06/19/25 08:00	1
Acenaphthylene	ND		10.1	0.765	ug/L		06/13/25 07:00	06/19/25 08:00	1
Acetophenone	ND		10.1	3.22	ug/L		06/13/25 07:00	06/19/25 08:00	1
Anthracene	ND		10.1	0.916	ug/L		06/13/25 07:00	06/19/25 08:00	1
Atrazine	ND		10.1	1.14	ug/L		06/13/25 07:00	06/19/25 08:00	1
Benzaldehyde	ND		10.1	0.674	ug/L		06/13/25 07:00	06/19/25 08:00	1
Benzo[a]anthracene	ND		10.1	1.01	ug/L		06/13/25 07:00	06/19/25 08:00	1
Benzo[a]pyrene	ND		10.1	1.11	ug/L		06/13/25 07:00	06/19/25 08:00	1
Benzo[b]fluoranthene	ND		10.1	1.21	ug/L		06/13/25 07:00	06/19/25 08:00	1
Benzo[g,h,i]perylene	ND		10.1	1.51	ug/L		06/13/25 07:00	06/19/25 08:00	1
Benzo[k]fluoranthene	ND		10.1	1.51	ug/L		06/13/25 07:00	06/19/25 08:00	1
bis (2-chloroisopropyl) ether	ND		10.1	0.936	ug/L		06/13/25 07:00	06/19/25 08:00	1
Bis(2-chloroethoxy)methane	ND		10.1	0.342	ug/L		06/13/25 07:00	06/19/25 08:00	1
Bis(2-chloroethyl)ether	ND		10.1	0.735	ug/L		06/13/25 07:00	06/19/25 08:00	1
Bis(2-ethylhexyl) phthalate	ND		10.1	4.03	ug/L		06/13/25 07:00	06/19/25 08:00	1
Butyl benzyl phthalate	ND		10.1	4.03	ug/L		06/13/25 07:00	06/19/25 08:00	1
Caprolactam	ND		10.1	2.42	ug/L		06/13/25 07:00	06/19/25 08:00	1
Carbazole	ND		10.1	0.322	ug/L		06/13/25 07:00	06/19/25 08:00	1
Chrysene	ND		10.1	1.21	ug/L		06/13/25 07:00	06/19/25 08:00	1
Dibenz(a,h)anthracene	ND		10.1	1.31	ug/L		06/13/25 07:00	06/19/25 08:00	1
Dibenzofuran	ND		10.1	0.644	ug/L		06/13/25 07:00	06/19/25 08:00	1
Diethyl phthalate	ND		10.1	4.03	ug/L		06/13/25 07:00	06/19/25 08:00	1
Dimethyl phthalate	ND		10.1	4.03	ug/L		06/13/25 07:00	06/19/25 08:00	1
Di-n-butyl phthalate	ND		10.1	4.03	ug/L		06/13/25 07:00	06/19/25 08:00	1
Di-n-octyl phthalate	ND		10.1	4.03	ug/L		06/13/25 07:00	06/19/25 08:00	1
Fluoranthene	ND		10.1	0.634	ug/L		06/13/25 07:00	06/19/25 08:00	1
Fluorene	ND		10.1	0.674	ug/L		06/13/25 07:00	06/19/25 08:00	1
Hexachlorobenzene	ND		10.1	0.252	ug/L		06/13/25 07:00	06/19/25 08:00	1
Hexachlorobutadiene	ND		10.1	0.554	ug/L		06/13/25 07:00	06/19/25 08:00	1
Hexachlorocyclopentadiene	ND		20.1	0.322	ug/L		06/13/25 07:00	06/19/25 08:00	1
Hexachloroethane	ND		10.1	0.534	ug/L		06/13/25 07:00	06/19/25 08:00	1
Indeno[1,2,3-cd]pyrene	ND		10.1	1.11	ug/L		06/13/25 07:00	06/19/25 08:00	1
Isophorone	ND		10.1	0.805	ug/L		06/13/25 07:00	06/19/25 08:00	1
Naphthalene	ND		10.1	0.755	ug/L		06/13/25 07:00	06/19/25 08:00	1
Nitrobenzene	ND		10.1	0.604	ug/L		06/13/25 07:00	06/19/25 08:00	1
N-Nitrosodi-n-propylamine	ND		10.1	0.332	ug/L		06/13/25 07:00	06/19/25 08:00	1

Client: S&ME Inc
Project/Site: Southside Park

Job ID: 400-277484-1

Client Sample ID: SW-5

Date Collected: 06/10/25 16:40
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277484-5

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		10.1	0.191	ug/L		06/13/25 07:00	06/19/25 08:00	1
Pentachlorophenol	ND		10.1	2.82	ug/L		06/13/25 07:00	06/19/25 08:00	1
Phenanthrene	ND		10.1	0.745	ug/L		06/13/25 07:00	06/19/25 08:00	1
Phenol	ND		10.1	0.685	ug/L		06/13/25 07:00	06/19/25 08:00	1
Pyrene	ND		10.1	0.634	ug/L		06/13/25 07:00	06/19/25 08:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*95*		*10 - 150*	*06/13/25 07:00*	*06/19/25 08:00*	*1*
2-Fluorobiphenyl (Surr)	*85*		*25 - 139*	*06/13/25 07:00*	*06/19/25 08:00*	*1*
2-Fluorophenol (Surr)	*101*		*10 - 150*	*06/13/25 07:00*	*06/19/25 08:00*	*1*
Nitrobenzene-d5 (Surr)	*87*		*22 - 150*	*06/13/25 07:00*	*06/19/25 08:00*	*1*
Phenol-d5 (Surr)	*99*		*10 - 150*	*06/13/25 07:00*	*06/19/25 08:00*	*1*
Terphenyl-d14 (Surr)	*71*		*28 - 150*	*06/13/25 07:00*	*06/19/25 08:00*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**22.6**		1.00	0.390	mg/L			06/13/25 01:59	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		06/20/25 12:15	06/25/25 02:01	1
Arsenic	ND		5.00	1.32	ug/L		06/20/25 12:15	06/25/25 02:01	1
Barium	**52.2**		10.0	0.410	ug/L		06/20/25 12:15	06/25/25 02:01	1
Beryllium	ND		1.00	0.147	ug/L		06/20/25 12:15	06/25/25 02:01	1
Cadmium	ND		0.700	0.237	ug/L		06/20/25 12:15	06/25/25 02:01	1
Chromium	ND		5.00	3.69	ug/L		06/20/25 12:15	06/25/25 02:01	1
Cobalt	**0.549**	**J**	5.00	0.411	ug/L		06/20/25 12:15	06/25/25 02:01	1
Copper	**16.7**		2.00	0.642	ug/L		06/20/25 12:15	06/25/25 02:01	1
Lead	**2.69**		1.00	0.864	ug/L		06/20/25 12:15	06/25/25 02:01	1
Manganese	**67.0**		5.00	1.29	ug/L		06/20/25 12:15	06/25/25 02:01	1
Nickel	**1.73**	**J**	5.00	0.422	ug/L		06/20/25 12:15	06/25/25 02:01	1
Selenium	ND		5.00	2.29	ug/L		06/20/25 12:15	06/25/25 02:01	1
Silver	ND		1.00	0.167	ug/L		06/20/25 12:15	06/25/25 02:01	1
Thallium	ND		1.00	0.190	ug/L		06/20/25 12:15	06/25/25 02:01	1
Vanadium	**3.36**	**J**	5.00	1.22	ug/L		06/20/25 12:15	06/25/25 02:01	1
Zinc	**11.0**		10.0	8.91	ug/L		06/20/25 12:15	06/25/25 02:01	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		06/20/25 13:57	06/20/25 20:03	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			06/17/25 12:05	1
Nitrate as N (SM Nitrate by calc)	**0.736**	**H**	0.0500	0.0180	mg/L			06/16/25 13:29	1
Nitrite as N (SM 4500 NO2 B)	ND	H	0.100	0.0180	mg/L			06/16/25 13:29	1
Nitrate Nitrite as N (SM 4500 NO3 F)	**0.736**	**B**	0.0500	0.0180	mg/L			06/18/25 13:44	1

Client: S&ME Inc
Job ID: 400-277484-1
Project/Site: Southside Park

Client Sample ID: DUP-6102025-SW
Lab Sample ID: 400-277484-6
Date Collected: 06/10/25 00:00
Matrix: Water
Date Received: 06/12/25 09:40

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			06/20/25 22:06	1
Benzene	ND		1.00	0.500	ug/L			06/20/25 22:06	1
Bromobenzene	ND		1.00	0.540	ug/L			06/20/25 22:06	1
Bromoform	ND		5.00	0.250	ug/L			06/20/25 22:06	1
Bromomethane	ND		1.00	0.980	ug/L			06/20/25 22:06	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/20/25 22:06	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/20/25 22:06	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/20/25 22:06	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/20/25 22:06	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/20/25 22:06	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/20/25 22:06	1
Chloroethane	ND		1.00	0.760	ug/L			06/20/25 22:06	1
Chloroform	ND		1.00	0.900	ug/L			06/20/25 22:06	1
Chloromethane	ND		1.00	0.400	ug/L			06/20/25 22:06	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/20/25 22:06	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/20/25 22:06	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/20/25 22:06	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/20/25 22:06	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/20/25 22:06	1
Dibromomethane	ND		5.00	0.220	ug/L			06/20/25 22:06	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/20/25 22:06	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/20/25 22:06	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/20/25 22:06	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/20/25 22:06	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/20/25 22:06	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/20/25 22:06	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/20/25 22:06	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 22:06	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 22:06	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 22:06	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/20/25 22:06	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/20/25 22:06	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/20/25 22:06	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/20/25 22:06	1
Hexachlorobutadiene	ND	*+	5.00	0.900	ug/L			06/20/25 22:06	1
Hexane	ND		1.00	0.960	ug/L			06/20/25 22:06	1
2-Hexanone	ND		25.0	4.26	ug/L			06/20/25 22:06	1
Iodomethane	ND		1.00	0.900	ug/L			06/20/25 22:06	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/20/25 22:06	1
Isopropyl ether	ND		1.00	0.740	ug/L			06/20/25 22:06	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/20/25 22:06	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/20/25 22:06	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/20/25 22:06	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/20/25 22:06	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/20/25 22:06	1
Naphthalene	ND		5.00	3.00	ug/L			06/20/25 22:06	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/20/25 22:06	1
n-Heptane	ND		1.00	0.210	ug/L			06/20/25 22:06	1
N-Propylbenzene	ND		1.00	0.690	ug/L			06/20/25 22:06	1

Client: S&ME Inc
Project/Site: Southside Park

Job ID: 400-277484-1

Client Sample ID: DUP-6102025-SW
Date Collected: 06/10/25 00:00
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277484-6
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			06/20/25 22:06	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/20/25 22:06	1
Styrene	ND		1.00	1.00	ug/L			06/20/25 22:06	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/20/25 22:06	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/20/25 22:06	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/20/25 22:06	1
Tetrachloroethene	**3.23**		1.00	0.330	ug/L			06/23/25 13:42	1
Toluene	ND		1.00	0.900	ug/L			06/20/25 22:06	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/20/25 22:06	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/20/25 22:06	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/20/25 22:06	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/20/25 22:06	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/20/25 22:06	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/20/25 22:06	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/20/25 22:06	1
Trichloroethene	ND		1.00	0.150	ug/L			06/23/25 13:42	1
Trichlorofluoromethane	ND	*+	1.00	0.250	ug/L			06/20/25 22:06	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/20/25 22:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/20/25 22:06	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/20/25 22:06	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/20/25 22:06	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/20/25 22:06	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/20/25 22:06	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/20/25 22:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*83*		*56 - 136*		*06/20/25 22:06*	*1*
4-Bromofluorobenzene	*104*		*56 - 136*		*06/23/25 13:42*	*1*
Dibromofluoromethane	*121*		*79 - 130*		*06/20/25 22:06*	*1*
Dibromofluoromethane	*96*		*79 - 130*		*06/23/25 13:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*117*		*59 - 146*		*06/20/25 22:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*59 - 146*		*06/23/25 13:42*	*1*
Toluene-d8 (Surr)	*88*		*64 - 132*		*06/20/25 22:06*	*1*
Toluene-d8 (Surr)	*107*		*64 - 132*		*06/23/25 13:42*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**0.293**		0.292	0.292	ug/L		06/16/25 07:00	06/20/25 21:24	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*34*		*10 - 140*	*06/16/25 07:00*	*06/20/25 21:24*	*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		06/13/25 07:00	06/19/25 08:36	1
2,4,5-Trichlorophenol	ND		9.71	0.524	ug/L		06/13/25 07:00	06/19/25 08:36	1
2,4,6-Trichlorophenol	ND		9.71	1.06	ug/L		06/13/25 07:00	06/19/25 08:36	1
2,4-Dichlorophenol	ND		9.71	0.553	ug/L		06/13/25 07:00	06/19/25 08:36	1
2,4-Dimethylphenol	ND		9.71	0.233	ug/L		06/13/25 07:00	06/19/25 08:36	1
2,4-Dinitrophenol	ND		29.1	4.54	ug/L		06/13/25 07:00	06/19/25 08:36	1
2,4-Dinitrotoluene	ND		9.71	0.631	ug/L		06/13/25 07:00	06/19/25 08:36	1

Client: S&ME Inc
Project/Site: Southside Park

Job ID: 400-277484-1

Client Sample ID: DUP-6102025-SW
Date Collected: 06/10/25 00:00
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277484-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		9.71	0.282	ug/L		06/13/25 07:00	06/19/25 08:36	1
2-Chloronaphthalene	ND		9.71	0.369	ug/L		06/13/25 07:00	06/19/25 08:36	1
2-Chlorophenol	ND		9.71	0.816	ug/L		06/13/25 07:00	06/19/25 08:36	1
2-Methylnaphthalene	ND		9.71	0.786	ug/L		06/13/25 07:00	06/19/25 08:36	1
2-Methylphenol	ND		9.71	0.738	ug/L		06/13/25 07:00	06/19/25 08:36	1
2-Nitroaniline	ND		9.71	1.33	ug/L		06/13/25 07:00	06/19/25 08:36	1
2-Nitrophenol	ND		9.71	1.14	ug/L		06/13/25 07:00	06/19/25 08:36	1
3 & 4 Methylphenol	ND		19.4	4.47	ug/L		06/13/25 07:00	06/19/25 08:36	1
3,3'-Dichlorobenzidine	ND		10.7	0.398	ug/L		06/13/25 07:00	06/19/25 08:36	1
3-Nitroaniline	ND		9.71	0.922	ug/L		06/13/25 07:00	06/19/25 08:36	1
4,6-Dinitro-2-methylphenol	ND		9.71	1.91	ug/L		06/13/25 07:00	06/19/25 08:36	1
4-Bromophenyl phenyl ether	ND		9.71	0.126	ug/L		06/13/25 07:00	06/19/25 08:36	1
4-Chloro-3-methylphenol	ND		9.71	0.709	ug/L		06/13/25 07:00	06/19/25 08:36	1
4-Chloroaniline	ND		9.71	0.272	ug/L		06/13/25 07:00	06/19/25 08:36	1
4-Chlorophenyl phenyl ether	ND		9.71	0.233	ug/L		06/13/25 07:00	06/19/25 08:36	1
4-Nitroaniline	ND		9.71	3.40	ug/L		06/13/25 07:00	06/19/25 08:36	1
4-Nitrophenol	ND		9.71	2.66	ug/L		06/13/25 07:00	06/19/25 08:36	1
Acenaphthene	ND		9.71	0.612	ug/L		06/13/25 07:00	06/19/25 08:36	1
Acenaphthylene	ND		9.71	0.738	ug/L		06/13/25 07:00	06/19/25 08:36	1
Acetophenone	ND		9.71	3.11	ug/L		06/13/25 07:00	06/19/25 08:36	1
Anthracene	ND		9.71	0.883	ug/L		06/13/25 07:00	06/19/25 08:36	1
Atrazine	ND		9.71	1.10	ug/L		06/13/25 07:00	06/19/25 08:36	1
Benzaldehyde	ND		9.71	0.650	ug/L		06/13/25 07:00	06/19/25 08:36	1
Benzo[a]anthracene	ND		9.71	0.971	ug/L		06/13/25 07:00	06/19/25 08:36	1
Benzo[a]pyrene	ND		9.71	1.07	ug/L		06/13/25 07:00	06/19/25 08:36	1
Benzo[b]fluoranthene	ND		9.71	1.17	ug/L		06/13/25 07:00	06/19/25 08:36	1
Benzo[g,h,i]perylene	ND		9.71	1.46	ug/L		06/13/25 07:00	06/19/25 08:36	1
Benzo[k]fluoranthene	ND		9.71	1.46	ug/L		06/13/25 07:00	06/19/25 08:36	1
bis (2-chloroisopropyl) ether	ND		9.71	0.903	ug/L		06/13/25 07:00	06/19/25 08:36	1
Bis(2-chloroethoxy)methane	ND		9.71	0.330	ug/L		06/13/25 07:00	06/19/25 08:36	1
Bis(2-chloroethyl)ether	ND		9.71	0.709	ug/L		06/13/25 07:00	06/19/25 08:36	1
Bis(2-ethylhexyl) phthalate	ND		9.71	3.88	ug/L		06/13/25 07:00	06/19/25 08:36	1
Butyl benzyl phthalate	ND		9.71	3.88	ug/L		06/13/25 07:00	06/19/25 08:36	1
Caprolactam	ND		9.71	2.33	ug/L		06/13/25 07:00	06/19/25 08:36	1
Carbazole	ND		9.71	0.311	ug/L		06/13/25 07:00	06/19/25 08:36	1
Chrysene	ND		9.71	1.17	ug/L		06/13/25 07:00	06/19/25 08:36	1
Dibenz(a,h)anthracene	ND		9.71	1.26	ug/L		06/13/25 07:00	06/19/25 08:36	1
Dibenzofuran	ND		9.71	0.621	ug/L		06/13/25 07:00	06/19/25 08:36	1
Diethyl phthalate	ND		9.71	3.88	ug/L		06/13/25 07:00	06/19/25 08:36	1
Dimethyl phthalate	ND		9.71	3.88	ug/L		06/13/25 07:00	06/19/25 08:36	1
Di-n-butyl phthalate	ND		9.71	3.88	ug/L		06/13/25 07:00	06/19/25 08:36	1
Di-n-octyl phthalate	ND		9.71	3.88	ug/L		06/13/25 07:00	06/19/25 08:36	1
Fluoranthene	ND		9.71	0.612	ug/L		06/13/25 07:00	06/19/25 08:36	1
Fluorene	ND		9.71	0.650	ug/L		06/13/25 07:00	06/19/25 08:36	1
Hexachlorobenzene	ND		9.71	0.243	ug/L		06/13/25 07:00	06/19/25 08:36	1
Hexachlorobutadiene	ND		9.71	0.534	ug/L		06/13/25 07:00	06/19/25 08:36	1
Hexachlorocyclopentadiene	ND		19.4	0.311	ug/L		06/13/25 07:00	06/19/25 08:36	1
Hexachloroethane	ND		9.71	0.515	ug/L		06/13/25 07:00	06/19/25 08:36	1
Indeno[1,2,3-cd]pyrene	ND		9.71	1.07	ug/L		06/13/25 07:00	06/19/25 08:36	1

Client: S&ME Inc
Project/Site: Southside Park

Job ID: 400-277484-1

Client Sample ID: DUP-6102025-SW

Date Collected: 06/10/25 00:00
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277484-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	ND		9.71	0.777	ug/L		06/13/25 07:00	06/19/25 08:36	1
Naphthalene	ND		9.71	0.728	ug/L		06/13/25 07:00	06/19/25 08:36	1
Nitrobenzene	ND		9.71	0.583	ug/L		06/13/25 07:00	06/19/25 08:36	1
N-Nitrosodi-n-propylamine	ND		9.71	0.320	ug/L		06/13/25 07:00	06/19/25 08:36	1
N-Nitrosodiphenylamine	ND		9.71	0.184	ug/L		06/13/25 07:00	06/19/25 08:36	1
Pentachlorophenol	ND		9.71	2.72	ug/L		06/13/25 07:00	06/19/25 08:36	1
Phenanthrene	ND		9.71	0.718	ug/L		06/13/25 07:00	06/19/25 08:36	1
Phenol	ND		9.71	0.660	ug/L		06/13/25 07:00	06/19/25 08:36	1
Pyrene	ND		9.71	0.612	ug/L		06/13/25 07:00	06/19/25 08:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*79*		*10 - 150*	*06/13/25 07:00*	*06/19/25 08:36*	*1*
2-Fluorobiphenyl (Surr)	*82*		*25 - 139*	*06/13/25 07:00*	*06/19/25 08:36*	*1*
2-Fluorophenol (Surr)	*96*		*10 - 150*	*06/13/25 07:00*	*06/19/25 08:36*	*1*
Nitrobenzene-d5 (Surr)	*84*		*22 - 150*	*06/13/25 07:00*	*06/19/25 08:36*	*1*
Phenol-d5 (Surr)	*98*		*10 - 150*	*06/13/25 07:00*	*06/19/25 08:36*	*1*
Terphenyl-d14 (Surr)	*61*		*28 - 150*	*06/13/25 07:00*	*06/19/25 08:36*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**66.5**		5.00	1.95	mg/L			06/13/25 23:56	5

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		06/20/25 12:15	06/25/25 02:04	1
Arsenic	ND		5.00	1.32	ug/L		06/20/25 12:15	06/25/25 02:04	1
Barium	**78.4**		10.0	0.410	ug/L		06/20/25 12:15	06/25/25 02:04	1
Beryllium	ND		1.00	0.147	ug/L		06/20/25 12:15	06/25/25 02:04	1
Cadmium	ND		0.700	0.237	ug/L		06/20/25 12:15	06/25/25 02:04	1
Chromium	ND		5.00	3.69	ug/L		06/20/25 12:15	06/25/25 02:04	1
Cobalt	**0.789**	**J**	5.00	0.411	ug/L		06/20/25 12:15	06/25/25 02:04	1
Copper	**4.77**		2.00	0.642	ug/L		06/20/25 12:15	06/25/25 02:04	1
Lead	**0.966**	**J**	1.00	0.864	ug/L		06/20/25 12:15	06/25/25 02:04	1
Manganese	**70.1**		5.00	1.29	ug/L		06/20/25 12:15	06/25/25 02:04	1
Nickel	**3.58**	**J**	5.00	0.422	ug/L		06/20/25 12:15	06/25/25 02:04	1
Selenium	ND		5.00	2.29	ug/L		06/20/25 12:15	06/25/25 02:04	1
Silver	ND		1.00	0.167	ug/L		06/20/25 12:15	06/25/25 02:04	1
Thallium	ND		1.00	0.190	ug/L		06/20/25 12:15	06/25/25 02:04	1
Vanadium	**2.64**	**J**	5.00	1.22	ug/L		06/20/25 12:15	06/25/25 02:04	1
Zinc	**22.1**		10.0	8.91	ug/L		06/20/25 12:15	06/25/25 02:04	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		06/20/25 13:57	06/20/25 20:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	**0.0880**		0.0500	0.0460	mg/L			06/17/25 12:19	1
Nitrate as N (SM Nitrate by calc)	**1.95**	**H H3**	0.0500	0.0180	mg/L			06/16/25 13:30	1
Nitrite as N (SM 4500 NO2 B)	**0.0453**	**J H H3**	0.100	0.0180	mg/L			06/16/25 13:30	1

Client: S&ME Inc
Job ID: 400-277484-1
Project/Site: Southside Park

Client Sample ID: DUP-6102025-SW
Lab Sample ID: 400-277484-6
Date Collected: 06/10/25 00:00
Matrix: Water
Date Received: 06/12/25 09:40

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N (SM 4500 NO3 F)	2.00	B	0.100	0.0360	mg/L			06/18/25 13:42	2

Client: S&ME Inc
Project/Site: Southside Park

Job ID: 400-277484-1

Client Sample ID: TRIP BLANK
Date Collected: 06/10/25 00:00
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277484-7
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			06/20/25 22:33	1
Benzene	ND		1.00	0.500	ug/L			06/20/25 22:33	1
Bromobenzene	ND		1.00	0.540	ug/L			06/20/25 22:33	1
Bromoform	ND		5.00	0.250	ug/L			06/20/25 22:33	1
Bromomethane	ND		1.00	0.980	ug/L			06/20/25 22:33	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/20/25 22:33	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/20/25 22:33	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/20/25 22:33	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/20/25 22:33	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/20/25 22:33	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/20/25 22:33	1
Chloroethane	ND		1.00	0.760	ug/L			06/20/25 22:33	1
Chloroform	ND		1.00	0.900	ug/L			06/20/25 22:33	1
Chloromethane	ND		1.00	0.400	ug/L			06/20/25 22:33	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/20/25 22:33	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/20/25 22:33	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/20/25 22:33	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/20/25 22:33	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/20/25 22:33	1
Dibromomethane	ND		5.00	0.220	ug/L			06/20/25 22:33	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/20/25 22:33	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/20/25 22:33	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/20/25 22:33	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/20/25 22:33	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/20/25 22:33	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/20/25 22:33	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/20/25 22:33	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 22:33	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 22:33	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 22:33	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/20/25 22:33	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/20/25 22:33	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/20/25 22:33	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/20/25 22:33	1
Hexachlorobutadiene	ND	*+	5.00	0.900	ug/L			06/20/25 22:33	1
Hexane	ND		1.00	0.960	ug/L			06/20/25 22:33	1
2-Hexanone	ND		25.0	4.26	ug/L			06/20/25 22:33	1
Iodomethane	ND		1.00	0.900	ug/L			06/20/25 22:33	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/20/25 22:33	1
Isopropyl ether	ND		1.00	0.740	ug/L			06/20/25 22:33	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/20/25 22:33	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/20/25 22:33	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/20/25 22:33	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/20/25 22:33	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/20/25 22:33	1
Naphthalene	ND		5.00	3.00	ug/L			06/20/25 22:33	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/20/25 22:33	1
n-Heptane	ND		1.00	0.210	ug/L			06/20/25 22:33	1
N-Propylbenzene	ND		1.00	0.690	ug/L			06/20/25 22:33	1

Client Sample ID: TRIP BLANK
Date Collected: 06/10/25 00:00
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277484-7
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			06/20/25 22:33	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/20/25 22:33	1
Styrene	ND		1.00	1.00	ug/L			06/20/25 22:33	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/20/25 22:33	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/20/25 22:33	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/20/25 22:33	1
Tetrachloroethene	ND		1.00	0.330	ug/L			06/20/25 22:33	1
Toluene	ND		1.00	0.900	ug/L			06/20/25 22:33	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/20/25 22:33	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/20/25 22:33	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/20/25 22:33	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/20/25 22:33	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/20/25 22:33	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/20/25 22:33	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/20/25 22:33	1
Trichloroethene	ND		1.00	0.150	ug/L			06/20/25 22:33	1
Trichlorofluoromethane	ND	*+	1.00	0.250	ug/L			06/20/25 22:33	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/20/25 22:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/20/25 22:33	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/20/25 22:33	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/20/25 22:33	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/20/25 22:33	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/20/25 22:33	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/20/25 22:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*84*		*56 - 136*		*06/20/25 22:33*	*1*
Dibromofluoromethane	*123*		*79 - 130*		*06/20/25 22:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*120*		*59 - 146*		*06/20/25 22:33*	*1*
Toluene-d8 (Surr)	*88*		*64 - 132*		*06/20/25 22:33*	*1*

Definitions/Glossary

Client: S&ME Inc
Job ID: 400-277484-1
Project/Site: Southside 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
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
H3	Sample was received and analyzed past holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)

Glossary (Continued)

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

Surrogate Summary

Client: S&ME Inc
Project/Site: Southside Park

Job ID: 400-277484-1

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)
400-277484-1	SW-1	82	122	112	88
400-277484-1	SW-1	105	97	113	105
400-277484-1 MS	SW-1	82	118	110	87
400-277484-1 MSD	SW-1	84	120	113	89
400-277484-2	SW-2	80	119	114	89
400-277484-3	SW-3	83	121	116	88
400-277484-4	SW-4	82	121	118	87
400-277484-5	SW-5	81	123	115	88
400-277484-6	DUP-6102025-SW	83	121	117	88
400-277484-6	DUP-6102025-SW	104	96	112	107
400-277484-7	TRIP BLANK	84	123	120	88
LCS 400-713485/52	Lab Control Sample	83	117	107	91
LCS 400-713679/1002	Lab Control Sample	97	103	115	105
MB 400-713485/4	Method Blank	81	119	112	89
MB 400-713679/6	Method Blank	103	97	112	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)
400-277484-1	SW-1	82	78	90	81	90	55
400-277484-2	SW-2	75	77	84	78	87	59
400-277484-3	SW-3	80	74	82	82	79	62
400-277484-4	SW-4	78	76	79	79	78	61
400-277484-5	SW-5	95	85	101	87	99	71
400-277484-6	DUP-6102025-SW	79	82	96	84	98	61
LCS 400-712722/2-A	Lab Control Sample	88	75	105	82	119	80
LCSD 400-712722/3-A	Lab Control Sample Dup	78	73	92	82	105	86
MB 400-712722/1-A	Method Blank	79	77	95	82	101	81

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

GC/MS VOA

Analysis Batch: 713485

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277484-1	SW-1	Total/NA	Water	8260D	
400-277484-2	SW-2	Total/NA	Water	8260D	
400-277484-3	SW-3	Total/NA	Water	8260D	
400-277484-4	SW-4	Total/NA	Water	8260D	
400-277484-5	SW-5	Total/NA	Water	8260D	
400-277484-6	DUP-6102025-SW	Total/NA	Water	8260D	
400-277484-7	TRIP BLANK	Total/NA	Water	8260D	
MB 400-713485/4	Method Blank	Total/NA	Water	8260D	
LCS 400-713485/52	Lab Control Sample	Total/NA	Water	8260D	
400-277484-1 MS	SW-1	Total/NA	Water	8260D	
400-277484-1 MSD	SW-1	Total/NA	Water	8260D	

Analysis Batch: 713679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277484-1	SW-1	Total/NA	Water	8260D	
400-277484-6	DUP-6102025-SW	Total/NA	Water	8260D	
MB 400-713679/6	Method Blank	Total/NA	Water	8260D	
LCS 400-713679/1002	Lab Control Sample	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 712722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277484-1	SW-1	Total/NA	Water	3511	
400-277484-2	SW-2	Total/NA	Water	3511	
400-277484-3	SW-3	Total/NA	Water	3511	
400-277484-4	SW-4	Total/NA	Water	3511	
400-277484-5	SW-5	Total/NA	Water	3511	
400-277484-6	DUP-6102025-SW	Total/NA	Water	3511	
MB 400-712722/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-712722/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-712722/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

Prep Batch: 712935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277484-1	SW-1	Total/NA	Water	3510C	
400-277484-2	SW-2	Total/NA	Water	3510C	
400-277484-3	SW-3	Total/NA	Water	3510C	
400-277484-4	SW-4	Total/NA	Water	3510C	
400-277484-5	SW-5	Total/NA	Water	3510C	
400-277484-6	DUP-6102025-SW	Total/NA	Water	3510C	
MB 400-712935/1-A	Method Blank	Total/NA	Water	3510C	
LCS 400-712935/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 400-712935/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 713274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277484-1	SW-1	Total/NA	Water	8270E	712722
400-277484-2	SW-2	Total/NA	Water	8270E	712722
400-277484-3	SW-3	Total/NA	Water	8270E	712722
400-277484-4	SW-4	Total/NA	Water	8270E	712722

GC/MS Semi VOA (Continued)

Analysis Batch: 713274 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277484-5	SW-5	Total/NA	Water	8270E	712722
400-277484-6	DUP-6102025-SW	Total/NA	Water	8270E	712722
MB 400-712722/1-A	Method Blank	Total/NA	Water	8270E	712722
LCS 400-712722/2-A	Lab Control Sample	Total/NA	Water	8270E	712722
LCSD 400-712722/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	712722

Analysis Batch: 713352

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277484-1	SW-1	Total/NA	Water	8270E SIM ID	712935
400-277484-2	SW-2	Total/NA	Water	8270E SIM ID	712935
400-277484-3	SW-3	Total/NA	Water	8270E SIM ID	712935
400-277484-4	SW-4	Total/NA	Water	8270E SIM ID	712935
400-277484-5	SW-5	Total/NA	Water	8270E SIM ID	712935
MB 400-712935/1-A	Method Blank	Total/NA	Water	8270E SIM ID	712935
LCS 400-712935/2-A	Lab Control Sample	Total/NA	Water	8270E SIM ID	712935
LCSD 400-712935/3-A	Lab Control Sample Dup	Total/NA	Water	8270E SIM ID	712935

Analysis Batch: 713592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277484-6	DUP-6102025-SW	Total/NA	Water	8270E SIM ID	712935

HPLC/IC

Analysis Batch: 712623

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277484-3	SW-3	Total/NA	Water	9056A	
400-277484-4	SW-4	Total/NA	Water	9056A	
400-277484-5	SW-5	Total/NA	Water	9056A	
MB 400-712623/35	Method Blank	Total/NA	Water	9056A	
LCS 400-712623/36	Lab Control Sample	Total/NA	Water	9056A	

Analysis Batch: 712771

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277484-2	SW-2	Total/NA	Water	9056A	
400-277484-6	DUP-6102025-SW	Total/NA	Water	9056A	
MB 400-712771/35	Method Blank	Total/NA	Water	9056A	
LCS 400-712771/36	Lab Control Sample	Total/NA	Water	9056A	
LCSD 400-712771/37	Lab Control Sample Dup	Total/NA	Water	9056A	

Analysis Batch: 713309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277484-1	SW-1	Total/NA	Water	9056A	
MB 400-713309/5	Method Blank	Total/NA	Water	9056A	
LCS 400-713309/6	Lab Control Sample	Total/NA	Water	9056A	
LCSD 400-713309/7	Lab Control Sample Dup	Total/NA	Water	9056A	

Metals

Prep Batch: 62827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277484-1	SW-1	Total Recoverable	Water	3005A	
400-277484-2	SW-2	Total Recoverable	Water	3005A	

Metals (Continued)

Prep Batch: 62827 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277484-3	SW-3	Total Recoverable	Water	3005A	
400-277484-4	SW-4	Total Recoverable	Water	3005A	
400-277484-5	SW-5	Total Recoverable	Water	3005A	
400-277484-6	DUP-6102025-SW	Total Recoverable	Water	3005A	
MB 705-62827/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 705-62827/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
400-277484-1 MS	SW-1	Total Recoverable	Water	3005A	
400-277484-1 MSD	SW-1	Total Recoverable	Water	3005A	

Prep Batch: 62909

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277484-1	SW-1	Total/NA	Water	7470A	
400-277484-2	SW-2	Total/NA	Water	7470A	
400-277484-3	SW-3	Total/NA	Water	7470A	
400-277484-4	SW-4	Total/NA	Water	7470A	
400-277484-5	SW-5	Total/NA	Water	7470A	
400-277484-6	DUP-6102025-SW	Total/NA	Water	7470A	
MB 705-62909/1-A	Method Blank	Total/NA	Water	7470A	
LCS 705-62909/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 63120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277484-1	SW-1	Total/NA	Water	7470A	62909
400-277484-2	SW-2	Total/NA	Water	7470A	62909
400-277484-3	SW-3	Total/NA	Water	7470A	62909
400-277484-4	SW-4	Total/NA	Water	7470A	62909
400-277484-5	SW-5	Total/NA	Water	7470A	62909
400-277484-6	DUP-6102025-SW	Total/NA	Water	7470A	62909
MB 705-62909/1-A	Method Blank	Total/NA	Water	7470A	62909
LCS 705-62909/2-A	Lab Control Sample	Total/NA	Water	7470A	62909

Analysis Batch: 63808

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277484-1	SW-1	Total Recoverable	Water	6020B	62827
400-277484-2	SW-2	Total Recoverable	Water	6020B	62827
400-277484-3	SW-3	Total Recoverable	Water	6020B	62827
400-277484-4	SW-4	Total Recoverable	Water	6020B	62827
400-277484-5	SW-5	Total Recoverable	Water	6020B	62827
400-277484-6	DUP-6102025-SW	Total Recoverable	Water	6020B	62827
MB 705-62827/1-A	Method Blank	Total Recoverable	Water	6020B	62827
LCS 705-62827/2-A	Lab Control Sample	Total Recoverable	Water	6020B	62827
400-277484-1 MS	SW-1	Total Recoverable	Water	6020B	62827
400-277484-1 MSD	SW-1	Total Recoverable	Water	6020B	62827

General Chemistry

Analysis Batch: 712900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277484-1	SW-1	Total/NA	Water	SM 4500 NO2 B	
400-277484-2	SW-2	Total/NA	Water	SM 4500 NO2 B	
400-277484-3	SW-3	Total/NA	Water	SM 4500 NO2 B	

General Chemistry (Continued)

Analysis Batch: 712900 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277484-4	SW-4	Total/NA	Water	SM 4500 NO2 B	
400-277484-5	SW-5	Total/NA	Water	SM 4500 NO2 B	
400-277484-6	DUP-6102025-SW	Total/NA	Water	SM 4500 NO2 B	
MB 400-712900/13	Method Blank	Total/NA	Water	SM 4500 NO2 B	
LCS 400-712900/14	Lab Control Sample	Total/NA	Water	SM 4500 NO2 B	
MRL 400-712900/15	Lab Control Sample	Total/NA	Water	SM 4500 NO2 B	
400-277484-1 MS	SW-1	Total/NA	Water	SM 4500 NO2 B	
400-277484-1 MSD	SW-1	Total/NA	Water	SM 4500 NO2 B	

Analysis Batch: 713079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277484-1	SW-1	Total/NA	Water	350.1	
400-277484-2	SW-2	Total/NA	Water	350.1	
400-277484-3	SW-3	Total/NA	Water	350.1	
400-277484-4	SW-4	Total/NA	Water	350.1	
400-277484-5	SW-5	Total/NA	Water	350.1	
400-277484-6	DUP-6102025-SW	Total/NA	Water	350.1	
MB 400-713079/24	Method Blank	Total/NA	Water	350.1	
LCS 400-713079/25	Lab Control Sample	Total/NA	Water	350.1	
MRL 400-713079/19	Lab Control Sample	Total/NA	Water	350.1	

Analysis Batch: 713259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277484-1	SW-1	Total/NA	Water	SM 4500 NO3 F	
400-277484-2	SW-2	Total/NA	Water	SM 4500 NO3 F	
400-277484-3	SW-3	Total/NA	Water	SM 4500 NO3 F	
400-277484-4	SW-4	Total/NA	Water	SM 4500 NO3 F	
400-277484-5	SW-5	Total/NA	Water	SM 4500 NO3 F	
400-277484-6	DUP-6102025-SW	Total/NA	Water	SM 4500 NO3 F	
MB 400-713259/47	Method Blank	Total/NA	Water	SM 4500 NO3 F	
MB 400-713259/61	Method Blank	Total/NA	Water	SM 4500 NO3 F	
LCS 400-713259/17	Lab Control Sample	Total/NA	Water	SM 4500 NO3 F	
LCS 400-713259/48	Lab Control Sample	Total/NA	Water	SM 4500 NO3 F	
MRL 400-713259/62	Lab Control Sample	Total/NA	Water	SM 4500 NO3 F	
400-277484-4 MS	SW-4	Total/NA	Water	SM 4500 NO3 F	
400-277484-4 MSD	SW-4	Total/NA	Water	SM 4500 NO3 F	

Analysis Batch: 713532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277484-1	SW-1	Total/NA	Water	Nitrate by calc	
400-277484-2	SW-2	Total/NA	Water	Nitrate by calc	
400-277484-3	SW-3	Total/NA	Water	Nitrate by calc	
400-277484-4	SW-4	Total/NA	Water	Nitrate by calc	
400-277484-5	SW-5	Total/NA	Water	Nitrate by calc	
400-277484-6	DUP-6102025-SW	Total/NA	Water	Nitrate by calc	

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

Lab Sample ID: MB 400-713485/4
Matrix: Water
Analysis Batch: 713485

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			06/20/25 17:34	1
Benzene	ND		1.00	0.500	ug/L			06/20/25 17:34	1
Bromobenzene	ND		1.00	0.540	ug/L			06/20/25 17:34	1
Bromoform	ND		5.00	0.250	ug/L			06/20/25 17:34	1
Bromomethane	ND		1.00	0.980	ug/L			06/20/25 17:34	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/20/25 17:34	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/20/25 17:34	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/20/25 17:34	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/20/25 17:34	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/20/25 17:34	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/20/25 17:34	1
Chloroethane	ND		1.00	0.760	ug/L			06/20/25 17:34	1
Chloroform	ND		1.00	0.900	ug/L			06/20/25 17:34	1
Chloromethane	ND		1.00	0.400	ug/L			06/20/25 17:34	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/20/25 17:34	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/20/25 17:34	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/20/25 17:34	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/20/25 17:34	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/20/25 17:34	1
Dibromomethane	ND		5.00	0.220	ug/L			06/20/25 17:34	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/20/25 17:34	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/20/25 17:34	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/20/25 17:34	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/20/25 17:34	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/20/25 17:34	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/20/25 17:34	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/20/25 17:34	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 17:34	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 17:34	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 17:34	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/20/25 17:34	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/20/25 17:34	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/20/25 17:34	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/20/25 17:34	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			06/20/25 17:34	1
Hexane	ND		1.00	0.960	ug/L			06/20/25 17:34	1
2-Hexanone	ND		25.0	4.26	ug/L			06/20/25 17:34	1
Iodomethane	ND		1.00	0.900	ug/L			06/20/25 17:34	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/20/25 17:34	1
Isopropyl ether	ND		1.00	0.740	ug/L			06/20/25 17:34	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/20/25 17:34	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/20/25 17:34	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/20/25 17:34	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/20/25 17:34	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/20/25 17:34	1
Naphthalene	ND		5.00	3.00	ug/L			06/20/25 17:34	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/20/25 17:34	1
n-Heptane	ND		1.00	0.210	ug/L			06/20/25 17:34	1

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

Lab Sample ID: MB 400-713485/4
Matrix: Water
Analysis Batch: 713485

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			06/20/25 17:34	1
o-Xylene	ND		5.00	3.00	ug/L			06/20/25 17:34	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/20/25 17:34	1
Styrene	ND		1.00	1.00	ug/L			06/20/25 17:34	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/20/25 17:34	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/20/25 17:34	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/20/25 17:34	1
Tetrachloroethene	ND		1.00	0.330	ug/L			06/20/25 17:34	1
Toluene	ND		1.00	0.900	ug/L			06/20/25 17:34	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/20/25 17:34	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/20/25 17:34	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/20/25 17:34	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/20/25 17:34	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/20/25 17:34	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/20/25 17:34	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/20/25 17:34	1
Trichloroethene	ND		1.00	0.150	ug/L			06/20/25 17:34	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			06/20/25 17:34	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/20/25 17:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/20/25 17:34	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/20/25 17:34	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/20/25 17:34	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/20/25 17:34	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/20/25 17:34	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/20/25 17:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*81*		*56 - 136*		*06/20/25 17:34*	*1*
Dibromofluoromethane	*119*		*79 - 130*		*06/20/25 17:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*59 - 146*		*06/20/25 17:34*	*1*
Toluene-d8 (Surr)	*89*		*64 - 132*		*06/20/25 17:34*	*1*

Lab Sample ID: LCS 400-713485/52
Matrix: Water
Analysis Batch: 713485

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	161.7		ug/L		81	43 - 150
Benzene	50.0	47.72		ug/L		95	70 - 130
Bromobenzene	50.0	55.76		ug/L		112	70 - 132
Bromoform	50.0	53.50		ug/L		107	57 - 140
Bromomethane	50.0	55.20		ug/L		110	10 - 150
2-Butanone (MEK)	200	200.5		ug/L		100	61 - 145
Carbon disulfide	50.0	41.02		ug/L		82	61 - 137
Carbon tetrachloride	50.0	62.62		ug/L		125	61 - 137
Chlorobenzene	50.0	50.51		ug/L		101	70 - 130
Chlorobromomethane	50.0	61.16		ug/L		122	70 - 130
Chlorodibromomethane	50.0	55.30		ug/L		111	67 - 135

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

Lab Sample ID: LCS 400-713485/52
Matrix: Water
Analysis Batch: 713485

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	44.54		ug/L		89	55 - 141
Chloroform	50.0	55.25		ug/L		110	69 - 130
Chloromethane	50.0	33.01		ug/L		66	58 - 137
2-Chlorotoluene	50.0	40.65		ug/L		81	70 - 130
4-Chlorotoluene	50.0	44.66		ug/L		89	70 - 130
cis-1,2-Dichloroethene	50.0	48.87		ug/L		98	68 - 130
cis-1,3-Dichloropropene	50.0	50.93		ug/L		102	69 - 132
1,2-Dibromo-3-Chloropropane	50.0	53.13		ug/L		106	54 - 135
Dibromomethane	50.0	51.68		ug/L		103	70 - 130
1,2-Dichlorobenzene	50.0	52.98		ug/L		106	67 - 130
1,3-Dichlorobenzene	50.0	53.29		ug/L		107	70 - 130
1,4-Dichlorobenzene	50.0	53.20		ug/L		106	70 - 130
Dichlorobromomethane	50.0	55.50		ug/L		111	67 - 133
1,1-Dichloroethane	50.0	46.34		ug/L		93	70 - 130
1,2-Dichloroethane	50.0	54.35		ug/L		109	69 - 130
1,1-Dichloroethene	50.0	47.29		ug/L		95	63 - 134
1,2-Dichloropropane	50.0	44.94		ug/L		90	70 - 130
1,3-Dichloropropane	50.0	44.13		ug/L		88	70 - 130
2,2-Dichloropropane	50.0	52.13		ug/L		104	52 - 135
1,1-Dichloropropene	50.0	49.49		ug/L		99	70 - 130
Ethyl acetate	100	90.11		ug/L		90	34 - 150
Ethylbenzene	50.0	48.15		ug/L		96	70 - 130
Ethylene Dibromide	50.0	50.66		ug/L		101	70 - 130
Hexachlorobutadiene	50.0	72.67	*+	ug/L		145	53 - 140
Hexane	50.0	42.19		ug/L		84	69 - 130
2-Hexanone	200	144.4		ug/L		72	65 - 137
Iodomethane	50.0	52.97		ug/L		106	27 - 150
Isopropylbenzene	50.0	52.91		ug/L		106	70 - 130
Isopropyl ether	20.0	16.89		ug/L		84	64 - 132
4-Isopropyltoluene	50.0	50.56		ug/L		101	65 - 130
Methylene Chloride	50.0	54.40		ug/L		109	66 - 135
4-Methyl-2-pentanone (MIBK)	200	152.6		ug/L		76	69 - 138
Methyl tert-butyl ether	50.0	50.46		ug/L		101	66 - 130
m-Xylene & p-Xylene	50.0	48.93		ug/L		98	70 - 130
Naphthalene	50.0	48.68		ug/L		97	47 - 149
n-Butylbenzene	50.0	41.16		ug/L		82	67 - 130
n-Heptane	50.0	35.14		ug/L		70	70 - 130
N-Propylbenzene	50.0	47.61		ug/L		95	70 - 130
o-Xylene	50.0	48.83		ug/L		98	70 - 130
sec-Butylbenzene	50.0	47.22		ug/L		94	66 - 130
Styrene	50.0	50.59		ug/L		101	70 - 130
tert-Butylbenzene	50.0	45.80		ug/L		92	64 - 139
1,1,1,2-Tetrachloroethane	50.0	56.92		ug/L		114	67 - 131
1,1,2,2-Tetrachloroethane	50.0	36.70		ug/L		73	70 - 131
Tetrachloroethene	50.0	58.00		ug/L		116	65 - 130
Toluene	50.0	44.32		ug/L		89	70 - 130
trans-1,4-Dichloro-2-butene	50.0	32.67		ug/L		65	57 - 140
trans-1,2-Dichloroethene	50.0	50.23		ug/L		100	70 - 130
trans-1,3-Dichloropropene	50.0	46.68		ug/L		93	63 - 130

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

Lab Sample ID: LCS 400-713485/52
Matrix: Water
Analysis Batch: 713485

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	63.10		ug/L		126	60 - 138
1,2,4-Trichlorobenzene	50.0	63.52		ug/L		127	60 - 140
1,1,1-Trichloroethane	50.0	57.28		ug/L		115	68 - 130
1,1,2-Trichloroethane	50.0	43.45		ug/L		87	70 - 130
Trichloroethene	50.0	61.54		ug/L		123	70 - 130
Trichlorofluoromethane	50.0	69.91	*+	ug/L		140	65 - 138
1,2,3-Trichloropropane	50.0	45.47		ug/L		91	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	56.63		ug/L		113	60 - 139
1,2,4-Trimethylbenzene	50.0	47.97		ug/L		96	70 - 130
1,3,5-Trimethylbenzene	50.0	46.99		ug/L		94	69 - 130
Vinyl acetate	100	109.7		ug/L		110	26 - 150
Vinyl chloride	50.0	47.70		ug/L		95	59 - 136
Xylenes, Total	100	97.76		ug/L		98	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*83*		*56 - 136*
Dibromofluoromethane	*117*		*79 - 130*
1,2-Dichloroethane-d4 (Surr)	*107*		*59 - 146*
Toluene-d8 (Surr)	*91*		*64 - 132*

Lab Sample ID: 400-277484-1 MS
Matrix: Water
Analysis Batch: 713485

Client Sample ID: SW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND	F1 F2	200	81.01	F1	ug/L		41	43 - 150
Benzene	ND	F2	50.0	50.45		ug/L		101	56 - 142
Bromobenzene	ND	F2	50.0	50.98		ug/L		102	59 - 136
Bromoform	ND	F2	50.0	62.29		ug/L		125	50 - 140
Bromomethane	ND		50.0	41.39		ug/L		83	10 - 150
2-Butanone (MEK)	ND	F1 F2	200	154.4		ug/L		77	55 - 150
Carbon disulfide	ND	F2	50.0	36.06		ug/L		72	48 - 150
Carbon tetrachloride	ND	F2	50.0	66.90		ug/L		134	55 - 145
Chlorobenzene	ND	F2	50.0	45.73		ug/L		91	64 - 130
Chlorobromomethane	ND	F2 F1	50.0	71.24	F1	ug/L		142	64 - 140
Chlorodibromomethane	ND	F2	50.0	64.13		ug/L		128	56 - 143
Chloroethane	ND		50.0	36.16		ug/L		72	50 - 150
Chloroform	ND	F2	50.0	62.92		ug/L		126	60 - 141
Chloromethane	ND	F1	50.0	20.80	F1	ug/L		42	49 - 148
2-Chlorotoluene	ND	F1	50.0	32.87		ug/L		66	53 - 134
4-Chlorotoluene	ND	F1	50.0	33.18		ug/L		66	54 - 133
cis-1,2-Dichloroethene	ND	F2	50.0	53.17		ug/L		106	59 - 143
cis-1,3-Dichloropropene	ND	F2	50.0	56.59		ug/L		113	57 - 140
1,2-Dibromo-3-Chloropropane	ND	F2	50.0	66.10		ug/L		132	45 - 135
Dibromomethane	ND	F2	50.0	62.41		ug/L		125	63 - 138
1,2-Dichlorobenzene	ND	F2	50.0	46.70		ug/L		93	52 - 137
1,3-Dichlorobenzene	ND		50.0	42.15		ug/L		84	54 - 135
1,4-Dichlorobenzene	ND	F2	50.0	43.18		ug/L		86	53 - 135

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

Lab Sample ID: 400-277484-1 MS
Matrix: Water
Analysis Batch: 713485

Client Sample ID: SW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorobromomethane	ND	F2	50.0	63.98		ug/L		128	59 - 143
1,1-Dichloroethane	ND	F2	50.0	51.54		ug/L		103	61 - 144
1,2-Dichloroethane	ND	F2	50.0	64.78		ug/L		130	60 - 141
1,1-Dichloroethene	ND	F2	50.0	50.31		ug/L		101	54 - 147
1,2-Dichloropropane	ND	F2	50.0	51.99		ug/L		104	66 - 137
1,3-Dichloropropane	ND	F2	50.0	50.63		ug/L		101	66 - 133
2,2-Dichloropropane	ND	F2	50.0	57.05		ug/L		114	42 - 144
1,1-Dichloropropene	ND	F1 F2	50.0	48.88		ug/L		98	65 - 136
Ethyl acetate	ND	F2	100	116.8		ug/L		117	34 - 150
Ethylbenzene	ND	F1 F2	50.0	38.17		ug/L		76	58 - 131
Ethylene Dibromide	ND	F2	50.0	58.85		ug/L		118	64 - 132
Hexachlorobutadiene	ND	*+	50.0	32.42		ug/L		65	31 - 149
Hexane	ND	F1 F2	50.0	37.13		ug/L		74	60 - 142
2-Hexanone	ND	F1 F2	200	126.5	F1	ug/L		63	65 - 140
Iodomethane	ND		50.0	52.18		ug/L		104	20 - 150
Isopropylbenzene	ND		50.0	38.11		ug/L		76	56 - 133
Isopropyl ether	ND		50.0	41.49		ug/L		83	60 - 144
4-Isopropyltoluene	ND	F1	50.0	29.35		ug/L		59	48 - 139
Methylene Chloride	ND		50.0	57.90		ug/L		116	60 - 146
4-Methyl-2-pentanone (MIBK)	ND	F2	200	196.5		ug/L		98	63 - 146
Methyl tert-butyl ether	ND	F2	50.0	62.94		ug/L		126	59 - 137
m-Xylene & p-Xylene	ND	F1 F2	50.0	38.44		ug/L		77	57 - 130
Naphthalene	ND	F2	50.0	52.53		ug/L		105	25 - 150
n-Butylbenzene	ND		50.0	23.57		ug/L		47	41 - 142
n-Heptane	ND	F1 F2	50.0	30.13	F1	ug/L		60	64 - 142
N-Propylbenzene	ND	F1	50.0	30.62		ug/L		61	51 - 138
o-Xylene	ND	F1 F2	50.0	40.88		ug/L		82	61 - 130
sec-Butylbenzene	ND	F1	50.0	27.78		ug/L		56	50 - 138
Styrene	ND	F2	50.0	44.19		ug/L		88	58 - 131
tert-Butylbenzene	ND	F1	50.0	30.63		ug/L		61	54 - 146
1,1,1,2-Tetrachloroethane	ND	F2	50.0	58.80		ug/L		118	59 - 137
1,1,2,2-Tetrachloroethane	ND	F1 F2	50.0	44.01		ug/L		88	66 - 135
Tetrachloroethene	4.11		50.0	50.43		ug/L		93	52 - 133
Toluene	ND	F1 F2	50.0	40.97		ug/L		82	65 - 130
trans-1,4-Dichloro-2-butene	ND	F2	50.0	42.48		ug/L		85	43 - 147
trans-1,2-Dichloroethene	ND	F2	50.0	48.97		ug/L		98	61 - 143
trans-1,3-Dichloropropene	ND	F2	50.0	51.26		ug/L		103	53 - 133
1,2,3-Trichlorobenzene	ND	F2	50.0	56.60		ug/L		113	43 - 145
1,2,4-Trichlorobenzene	ND	F2	50.0	52.85		ug/L		106	39 - 148
1,1,1-Trichloroethane	ND	F2	50.0	63.03		ug/L		126	57 - 142
1,1,2-Trichloroethane	ND	F1 F2	50.0	51.55		ug/L		103	66 - 131
Trichloroethene	0.204	J F2	50.0	61.56		ug/L		123	64 - 136
Trichlorofluoromethane	ND	*+	50.0	57.87		ug/L		116	54 - 150
1,2,3-Trichloropropane	ND	F2	50.0	56.51		ug/L		113	65 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F2	50.0	58.71		ug/L		117	55 - 150
1,2,4-Trimethylbenzene	ND		50.0	34.37		ug/L		69	50 - 139
1,3,5-Trimethylbenzene	ND	F1	50.0	32.93		ug/L		66	52 - 135
Vinyl acetate	ND		100	102.7		ug/L		103	26 - 150

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

Lab Sample ID: 400-277484-1 MS
Matrix: Water
Analysis Batch: 713485

Client Sample ID: SW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl chloride	ND		50.0	36.46		ug/L		73	46 - 150
Xylenes, Total	ND	F1 F2	100	79.32		ug/L		79	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*82*		*56 - 136*
Dibromofluoromethane	*118*		*79 - 130*
1,2-Dichloroethane-d4 (Surr)	*110*		*59 - 146*
Toluene-d8 (Surr)	*87*		*64 - 132*

Lab Sample ID: 400-277484-1 MSD
Matrix: Water
Analysis Batch: 713485

Client Sample ID: SW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	ND	F1 F2	200	54.15	F1 F2	ug/L		27	43 - 150	40	30
Benzene	ND	F2	50.0	32.86	F2	ug/L		66	56 - 142	42	30
Bromobenzene	ND	F2	50.0	36.34	F2	ug/L		73	59 - 136	34	30
Bromoform	ND	F2	50.0	41.44	F2	ug/L		83	50 - 140	40	30
Bromomethane	ND		50.0	37.84		ug/L		76	10 - 150	9	50
2-Butanone (MEK)	ND	F1 F2	200	100.6	F1 F2	ug/L		50	55 - 150	42	30
Carbon disulfide	ND	F2	50.0	24.24	F2	ug/L		48	48 - 150	39	30
Carbon tetrachloride	ND	F2	50.0	43.37	F2	ug/L		87	55 - 145	43	30
Chlorobenzene	ND	F2	50.0	31.99	F2	ug/L		64	64 - 130	35	30
Chlorobromomethane	ND	F2 F1	50.0	46.23	F2	ug/L		92	64 - 140	43	30
Chlorodibromomethane	ND	F2	50.0	41.44	F2	ug/L		83	56 - 143	43	30
Chloroethane	ND		50.0	33.18		ug/L		66	50 - 150	9	30
Chloroform	ND	F2	50.0	40.84	F2	ug/L		82	60 - 141	43	30
Chloromethane	ND	F1	50.0	18.59	F1	ug/L		37	49 - 148	11	31
2-Chlorotoluene	ND	F1	50.0	25.72	F1	ug/L		51	53 - 134	24	30
4-Chlorotoluene	ND	F1	50.0	25.01	F1	ug/L		50	54 - 133	28	30
cis-1,2-Dichloroethene	ND	F2	50.0	34.82	F2	ug/L		70	59 - 143	42	30
cis-1,3-Dichloropropene	ND	F2	50.0	36.01	F2	ug/L		72	57 - 140	44	30
1,2-Dibromo-3-Chloropropane	ND	F2	50.0	44.11	F2	ug/L		88	45 - 135	40	30
Dibromomethane	ND	F2	50.0	39.79	F2	ug/L		80	63 - 138	44	30
1,2-Dichlorobenzene	ND	F2	50.0	33.83	F2	ug/L		68	52 - 137	32	30
1,3-Dichlorobenzene	ND		50.0	31.12		ug/L		62	54 - 135	30	30
1,4-Dichlorobenzene	ND	F2	50.0	31.29	F2	ug/L		63	53 - 135	32	30
Dichlorobromomethane	ND	F2	50.0	41.01	F2	ug/L		82	59 - 143	44	30
1,1-Dichloroethane	ND	F2	50.0	33.58	F2	ug/L		67	61 - 144	42	30
1,2-Dichloroethane	ND	F2	50.0	41.87	F2	ug/L		84	60 - 141	43	30
1,1-Dichloroethene	ND	F2	50.0	32.65	F2	ug/L		65	54 - 147	43	30
1,2-Dichloropropane	ND	F2	50.0	33.22	F2	ug/L		66	66 - 137	44	30
1,3-Dichloropropane	ND	F2	50.0	33.15	F2	ug/L		66	66 - 133	42	30
2,2-Dichloropropane	ND	F2	50.0	36.45	F2	ug/L		73	42 - 144	44	31
1,1-Dichloropropene	ND	F1 F2	50.0	32.02	F1 F2	ug/L		64	65 - 136	42	30
Ethyl acetate	ND	F2	100	80.47	F2	ug/L		80	34 - 150	37	30
Ethylbenzene	ND	F1 F2	50.0	27.83	F1 F2	ug/L		56	58 - 131	31	30
Ethylene Dibromide	ND	F2	50.0	38.74	F2	ug/L		77	64 - 132	41	30

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

Lab Sample ID: 400-277484-1 MSD
Matrix: Water
Analysis Batch: 713485

Client Sample ID: SW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Hexachlorobutadiene	ND	*+	50.0	28.40		ug/L		57	31 - 149	13	36
Hexane	ND	F1 F2	50.0	25.16	F1 F2	ug/L		50	60 - 142	38	30
2-Hexanone	ND	F1 F2	200	81.58	F1 F2	ug/L		41	65 - 140	43	30
Iodomethane	ND		50.0	35.85		ug/L		72	20 - 150	37	44
Isopropylbenzene	ND		50.0	28.21		ug/L		56	56 - 133	30	30
Isopropyl ether	ND		50.0	32.81		ug/L		66	60 - 144	23	30
4-Isopropyltoluene	ND	F1	50.0	23.28	F1	ug/L		47	48 - 139	23	30
Methylene Chloride	ND		50.0	41.93		ug/L		84	60 - 146	32	32
4-Methyl-2-pentanone (MIBK)	ND	F2	200	126.7	F2	ug/L		63	63 - 146	43	30
Methyl tert-butyl ether	ND	F2	50.0	40.57	F2	ug/L		81	59 - 137	43	30
m-Xylene & p-Xylene	ND	F1 F2	50.0	27.40	F1 F2	ug/L		55	57 - 130	34	30
Naphthalene	ND	F2	50.0	36.47	F2	ug/L		73	25 - 150	36	30
n-Butylbenzene	ND		50.0	20.42		ug/L		41	41 - 142	14	31
n-Heptane	ND	F1 F2	50.0	19.55	F1 F2	ug/L		39	64 - 142	43	30
N-Propylbenzene	ND	F1	50.0	24.65	F1	ug/L		49	51 - 138	22	30
o-Xylene	ND	F1 F2	50.0	29.33	F1 F2	ug/L		59	61 - 130	33	30
sec-Butylbenzene	ND	F1	50.0	22.41	F1	ug/L		45	50 - 138	21	30
Styrene	ND	F2	50.0	30.76	F2	ug/L		62	58 - 131	36	30
tert-Butylbenzene	ND	F1	50.0	24.05	F1	ug/L		48	54 - 146	24	30
1,1,1,2-Tetrachloroethane	ND	F2	50.0	39.74	F2	ug/L		79	59 - 137	39	30
1,1,2,2-Tetrachloroethane	ND	F1 F2	50.0	29.38	F1 F2	ug/L		59	66 - 135	40	30
Tetrachloroethene	4.11		50.0	37.09		ug/L		66	52 - 133	30	30
Toluene	ND	F1 F2	50.0	28.52	F1 F2	ug/L		57	65 - 130	36	30
trans-1,4-Dichloro-2-butene	ND	F2	50.0	28.18	F2	ug/L		56	43 - 147	40	36
trans-1,2-Dichloroethene	ND	F2	50.0	33.75	F2	ug/L		67	61 - 143	37	30
trans-1,3-Dichloropropene	ND	F2	50.0	33.38	F2	ug/L		67	53 - 133	42	30
1,2,3-Trichlorobenzene	ND	F2	50.0	40.59	F2	ug/L		81	43 - 145	33	30
1,2,4-Trichlorobenzene	ND	F2	50.0	38.50	F2	ug/L		77	39 - 148	31	30
1,1,1-Trichloroethane	ND	F2	50.0	40.72	F2	ug/L		81	57 - 142	43	30
1,1,2-Trichloroethane	ND	F1 F2	50.0	32.74	F1 F2	ug/L		65	66 - 131	45	30
Trichloroethene	0.204	J F2	50.0	41.78	F2	ug/L		83	64 - 136	38	30
Trichlorofluoromethane	ND	*+	50.0	51.80		ug/L		104	54 - 150	11	30
1,2,3-Trichloropropane	ND	F2	50.0	37.18	F2	ug/L		74	65 - 133	41	30
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F2	50.0	39.20	F2	ug/L		78	55 - 150	40	30
1,2,4-Trimethylbenzene	ND		50.0	25.94		ug/L		52	50 - 139	28	30
1,3,5-Trimethylbenzene	ND	F1	50.0	25.16	F1	ug/L		50	52 - 135	27	30
Vinyl acetate	ND		100	93.67		ug/L		94	26 - 150	9	33
Vinyl chloride	ND		50.0	33.24		ug/L		66	46 - 150	9	30
Xylenes, Total	ND	F1 F2	100	56.73	F1 F2	ug/L		57	59 - 130	33	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*84*		*56 - 136*
Dibromofluoromethane	*120*		*79 - 130*
1,2-Dichloroethane-d4 (Surr)	*113*		*59 - 146*
Toluene-d8 (Surr)	*89*		*64 - 132*

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

Lab Sample ID: MB 400-713679/6
Matrix: Water
Analysis Batch: 713679

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		1.00	0.330	ug/L			06/23/25 11:31	1
Trichloroethene	ND		1.00	0.150	ug/L			06/23/25 11:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*56 - 136*		*06/23/25 11:31*	*1*
Dibromofluoromethane	*97*		*79 - 130*		*06/23/25 11:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*59 - 146*		*06/23/25 11:31*	*1*
Toluene-d8 (Surr)	*103*		*64 - 132*		*06/23/25 11:31*	*1*

Lab Sample ID: LCS 400-713679/1002
Matrix: Water
Analysis Batch: 713679

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Tetrachloroethene	50.0	45.43		ug/L		91	65 - 130
Trichloroethene	50.0	45.76		ug/L		92	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*97*		*56 - 136*
Dibromofluoromethane	*103*		*79 - 130*
1,2-Dichloroethane-d4 (Surr)	*115*		*59 - 146*
Toluene-d8 (Surr)	*105*		*64 - 132*

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

Lab Sample ID: MB 400-712722/1-A
Matrix: Water
Analysis Batch: 713274

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 712722

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		10.0	0.420	ug/L		06/13/25 07:00	06/19/25 03:13	1
2,4,5-Trichlorophenol	ND		10.0	0.540	ug/L		06/13/25 07:00	06/19/25 03:13	1
2,4,6-Trichlorophenol	ND		10.0	1.09	ug/L		06/13/25 07:00	06/19/25 03:13	1
2,4-Dichlorophenol	ND		10.0	0.570	ug/L		06/13/25 07:00	06/19/25 03:13	1
2,4-Dimethylphenol	ND		10.0	0.240	ug/L		06/13/25 07:00	06/19/25 03:13	1
2,4-Dinitrophenol	ND		30.0	4.68	ug/L		06/13/25 07:00	06/19/25 03:13	1
2,4-Dinitrotoluene	ND		10.0	0.650	ug/L		06/13/25 07:00	06/19/25 03:13	1
2,6-Dinitrotoluene	ND		10.0	0.290	ug/L		06/13/25 07:00	06/19/25 03:13	1
2-Chloronaphthalene	ND		10.0	0.380	ug/L		06/13/25 07:00	06/19/25 03:13	1
2-Chlorophenol	ND		10.0	0.840	ug/L		06/13/25 07:00	06/19/25 03:13	1
2-Methylnaphthalene	ND		10.0	0.810	ug/L		06/13/25 07:00	06/19/25 03:13	1
2-Methylphenol	ND		10.0	0.760	ug/L		06/13/25 07:00	06/19/25 03:13	1
2-Nitroaniline	ND		10.0	1.37	ug/L		06/13/25 07:00	06/19/25 03:13	1
2-Nitrophenol	ND		10.0	1.17	ug/L		06/13/25 07:00	06/19/25 03:13	1
3 & 4 Methylphenol	ND		20.0	4.60	ug/L		06/13/25 07:00	06/19/25 03:13	1
3,3'-Dichlorobenzidine	ND		11.0	0.410	ug/L		06/13/25 07:00	06/19/25 03:13	1
3-Nitroaniline	ND		10.0	0.950	ug/L		06/13/25 07:00	06/19/25 03:13	1
4,6-Dinitro-2-methylphenol	ND		10.0	1.97	ug/L		06/13/25 07:00	06/19/25 03:13	1

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

Lab Sample ID: MB 400-712722/1-A
Matrix: Water
Analysis Batch: 713274

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 712722

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND		10.0	0.130	ug/L		06/13/25 07:00	06/19/25 03:13	1
4-Chloro-3-methylphenol	ND		10.0	0.730	ug/L		06/13/25 07:00	06/19/25 03:13	1
4-Chloroaniline	ND		10.0	0.280	ug/L		06/13/25 07:00	06/19/25 03:13	1
4-Chlorophenyl phenyl ether	ND		10.0	0.240	ug/L		06/13/25 07:00	06/19/25 03:13	1
4-Nitroaniline	ND		10.0	3.50	ug/L		06/13/25 07:00	06/19/25 03:13	1
4-Nitrophenol	ND		10.0	2.74	ug/L		06/13/25 07:00	06/19/25 03:13	1
Acenaphthene	ND		10.0	0.630	ug/L		06/13/25 07:00	06/19/25 03:13	1
Acenaphthylene	ND		10.0	0.760	ug/L		06/13/25 07:00	06/19/25 03:13	1
Acetophenone	ND		10.0	3.20	ug/L		06/13/25 07:00	06/19/25 03:13	1
Anthracene	ND		10.0	0.910	ug/L		06/13/25 07:00	06/19/25 03:13	1
Atrazine	ND		10.0	1.13	ug/L		06/13/25 07:00	06/19/25 03:13	1
Benzaldehyde	ND		10.0	0.670	ug/L		06/13/25 07:00	06/19/25 03:13	1
Benzo[a]anthracene	ND		10.0	1.00	ug/L		06/13/25 07:00	06/19/25 03:13	1
Benzo[a]pyrene	ND		10.0	1.10	ug/L		06/13/25 07:00	06/19/25 03:13	1
Benzo[b]fluoranthene	ND		10.0	1.20	ug/L		06/13/25 07:00	06/19/25 03:13	1
Benzo[g,h,i]perylene	ND		10.0	1.50	ug/L		06/13/25 07:00	06/19/25 03:13	1
Benzo[k]fluoranthene	ND		10.0	1.50	ug/L		06/13/25 07:00	06/19/25 03:13	1
bis (2-chloroisopropyl) ether	ND		10.0	0.930	ug/L		06/13/25 07:00	06/19/25 03:13	1
Bis(2-chloroethoxy)methane	ND		10.0	0.340	ug/L		06/13/25 07:00	06/19/25 03:13	1
Bis(2-chloroethyl)ether	ND		10.0	0.730	ug/L		06/13/25 07:00	06/19/25 03:13	1
Bis(2-ethylhexyl) phthalate	ND		10.0	4.00	ug/L		06/13/25 07:00	06/19/25 03:13	1
Butyl benzyl phthalate	ND		10.0	4.00	ug/L		06/13/25 07:00	06/19/25 03:13	1
Caprolactam	ND		10.0	2.40	ug/L		06/13/25 07:00	06/19/25 03:13	1
Carbazole	ND		10.0	0.320	ug/L		06/13/25 07:00	06/19/25 03:13	1
Chrysene	ND		10.0	1.20	ug/L		06/13/25 07:00	06/19/25 03:13	1
Dibenz(a,h)anthracene	ND		10.0	1.30	ug/L		06/13/25 07:00	06/19/25 03:13	1
Dibenzofuran	ND		10.0	0.640	ug/L		06/13/25 07:00	06/19/25 03:13	1
Diethyl phthalate	ND		10.0	4.00	ug/L		06/13/25 07:00	06/19/25 03:13	1
Dimethyl phthalate	ND		10.0	4.00	ug/L		06/13/25 07:00	06/19/25 03:13	1
Di-n-butyl phthalate	ND		10.0	4.00	ug/L		06/13/25 07:00	06/19/25 03:13	1
Di-n-octyl phthalate	ND		10.0	4.00	ug/L		06/13/25 07:00	06/19/25 03:13	1
Fluoranthene	ND		10.0	0.630	ug/L		06/13/25 07:00	06/19/25 03:13	1
Fluorene	ND		10.0	0.670	ug/L		06/13/25 07:00	06/19/25 03:13	1
Hexachlorobenzene	ND		10.0	0.250	ug/L		06/13/25 07:00	06/19/25 03:13	1
Hexachlorobutadiene	ND		10.0	0.550	ug/L		06/13/25 07:00	06/19/25 03:13	1
Hexachlorocyclopentadiene	ND		20.0	0.320	ug/L		06/13/25 07:00	06/19/25 03:13	1
Hexachloroethane	ND		10.0	0.530	ug/L		06/13/25 07:00	06/19/25 03:13	1
Indeno[1,2,3-cd]pyrene	ND		10.0	1.10	ug/L		06/13/25 07:00	06/19/25 03:13	1
Isophorone	ND		10.0	0.800	ug/L		06/13/25 07:00	06/19/25 03:13	1
Naphthalene	ND		10.0	0.750	ug/L		06/13/25 07:00	06/19/25 03:13	1
Nitrobenzene	ND		10.0	0.600	ug/L		06/13/25 07:00	06/19/25 03:13	1
N-Nitrosodi-n-propylamine	ND		10.0	0.330	ug/L		06/13/25 07:00	06/19/25 03:13	1
N-Nitrosodiphenylamine	ND		10.0	0.190	ug/L		06/13/25 07:00	06/19/25 03:13	1
Pentachlorophenol	ND		10.0	2.80	ug/L		06/13/25 07:00	06/19/25 03:13	1
Phenanthrene	ND		10.0	0.740	ug/L		06/13/25 07:00	06/19/25 03:13	1
Phenol	ND		10.0	0.680	ug/L		06/13/25 07:00	06/19/25 03:13	1
Pyrene	ND		10.0	0.630	ug/L		06/13/25 07:00	06/19/25 03:13	1

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

Lab Sample ID: MB 400-712722/1-A
Matrix: Water
Analysis Batch: 713274

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 712722

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	79		10 - 150	06/13/25 07:00	06/19/25 03:13	1
2-Fluorobiphenyl (Surr)	77		25 - 139	06/13/25 07:00	06/19/25 03:13	1
2-Fluorophenol (Surr)	95		10 - 150	06/13/25 07:00	06/19/25 03:13	1
Nitrobenzene-d5 (Surr)	82		22 - 150	06/13/25 07:00	06/19/25 03:13	1
Phenol-d5 (Surr)	101		10 - 150	06/13/25 07:00	06/19/25 03:13	1
Terphenyl-d14 (Surr)	81		28 - 150	06/13/25 07:00	06/19/25 03:13	1

Lab Sample ID: LCS 400-712722/2-A
Matrix: Water
Analysis Batch: 713274

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 712722

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	33.3	24.72		ug/L		74	27 - 120
2,4,5-Trichlorophenol	33.3	31.46		ug/L		94	27 - 136
2,4,6-Trichlorophenol	33.3	31.35		ug/L		94	21 - 132
2,4-Dichlorophenol	33.3	32.44		ug/L		97	30 - 125
2,4-Dimethylphenol	33.3	33.90		ug/L		102	10 - 142
2,4-Dinitrophenol	66.7	41.56		ug/L		62	10 - 150
2,4-Dinitrotoluene	33.3	29.48		ug/L		88	30 - 129
2,6-Dinitrotoluene	33.3	27.71		ug/L		83	34 - 132
2-Chloronaphthalene	33.3	23.20		ug/L		70	10 - 150
2-Chlorophenol	33.3	34.30		ug/L		103	28 - 127
2-Methylnaphthalene	33.3	22.59		ug/L		68	24 - 110
2-Methylphenol	33.3	37.52		ug/L		113	11 - 121
2-Nitroaniline	33.3	30.06		ug/L		90	31 - 141
2-Nitrophenol	33.3	31.18		ug/L		94	31 - 142
3 & 4 Methylphenol	33.3	37.43		ug/L		112	10 - 150
3,3'-Dichlorobenzidine	33.3	24.06		ug/L		72	10 - 150
3-Nitroaniline	33.3	26.96		ug/L		81	33 - 136
4,6-Dinitro-2-methylphenol	66.7	50.34		ug/L		76	10 - 150
4-Bromophenyl phenyl ether	33.3	27.17		ug/L		82	24 - 120
4-Chloro-3-methylphenol	33.3	37.16		ug/L		111	10 - 137
4-Chloroaniline	33.3	30.27		ug/L		91	10 - 150
4-Chlorophenyl phenyl ether	33.3	24.73		ug/L		74	31 - 110
4-Nitroaniline	33.3	26.25		ug/L		79	37 - 139
4-Nitrophenol	66.7	71.29		ug/L		107	10 - 150
Acenaphthene	33.3	24.15		ug/L		72	29 - 110
Acenaphthylene	33.3	25.91		ug/L		78	30 - 112
Acetophenone	33.3	32.01		ug/L		96	27 - 119
Anthracene	33.3	30.55		ug/L		92	31 - 120
Atrazine	50.0	53.15		ug/L		106	10 - 150
Benzaldehyde	50.0	44.24		ug/L		88	10 - 150
Benzo[a]anthracene	33.3	34.69		ug/L		104	36 - 118
Benzo[a]pyrene	33.3	34.52		ug/L		104	29 - 120
Benzo[b]fluoranthene	33.3	34.56		ug/L		104	32 - 119
Benzo[g,h,i]perylene	33.3	32.56		ug/L		98	28 - 115
Benzo[k]fluoranthene	33.3	35.44		ug/L		106	30 - 118
bis (2-chloroisopropyl) ether	33.3	26.72		ug/L		80	32 - 115

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

Lab Sample ID: LCS 400-712722/2-A
Matrix: Water
Analysis Batch: 713274

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 712722

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bis(2-chloroethoxy)methane	33.3	30.44		ug/L		91	34 - 120
Bis(2-chloroethyl)ether	33.3	28.59		ug/L		86	32 - 114
Bis(2-ethylhexyl) phthalate	33.3	28.87		ug/L		87	24 - 133
Butyl benzyl phthalate	33.3	33.48		ug/L		100	24 - 140
Caprolactam	50.0	56.43		ug/L		113	10 - 150
Carbazole	33.3	31.49		ug/L		94	28 - 123
Chrysene	33.3	33.66		ug/L		101	34 - 113
Dibenz(a,h)anthracene	33.3	32.21		ug/L		97	29 - 117
Dibenzofuran	33.3	31.20		ug/L		94	35 - 110
Diethyl phthalate	33.3	30.67		ug/L		92	31 - 118
Dimethyl phthalate	33.3	33.77		ug/L		101	24 - 125
Di-n-butyl phthalate	33.3	29.25		ug/L		88	30 - 127
Di-n-octyl phthalate	33.3	28.75		ug/L		86	28 - 142
Fluoranthene	33.3	36.10		ug/L		108	30 - 124
Fluorene	33.3	26.55		ug/L		80	30 - 118
Hexachlorobenzene	33.3	28.70		ug/L		86	29 - 113
Hexachlorobutadiene	33.3	12.11		ug/L		36	10 - 117
Hexachlorocyclopentadiene	33.3	10.91	J	ug/L		33	10 - 150
Hexachloroethane	33.3	14.09		ug/L		42	10 - 112
Indeno[1,2,3-cd]pyrene	33.3	32.17		ug/L		97	28 - 115
Isophorone	33.3	29.27		ug/L		88	29 - 125
Naphthalene	33.3	23.36		ug/L		70	27 - 110
Nitrobenzene	33.3	28.17		ug/L		85	29 - 129
N-Nitrosodi-n-propylamine	33.3	30.96		ug/L		93	53 - 134
N-Nitrosodiphenylamine	33.1	28.41		ug/L		86	62 - 132
Pentachlorophenol	66.7	70.27		ug/L		105	14 - 150
Phenanthrene	33.3	29.71		ug/L		89	32 - 115
Phenol	33.3	45.19		ug/L		136	10 - 150
Pyrene	33.3	38.73		ug/L		116	30 - 126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*88*		*10 - 150*
2-Fluorobiphenyl (Surr)	*75*		*25 - 139*
2-Fluorophenol (Surr)	*105*		*10 - 150*
Nitrobenzene-d5 (Surr)	*82*		*22 - 150*
Phenol-d5 (Surr)	*119*		*10 - 150*
Terphenyl-d14 (Surr)	*80*		*28 - 150*

Lab Sample ID: LCSD 400-712722/3-A
Matrix: Water
Analysis Batch: 713274

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 712722

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl	33.3	24.09		ug/L		72	27 - 120	3	40
2,4,5-Trichlorophenol	33.3	28.79		ug/L		86	27 - 136	9	40
2,4,6-Trichlorophenol	33.3	28.80		ug/L		86	21 - 132	8	40
2,4-Dichlorophenol	33.3	29.42		ug/L		88	30 - 125	10	40
2,4-Dimethylphenol	33.3	30.96		ug/L		93	10 - 142	9	40

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

Lab Sample ID: LCSD 400-712722/3-A
Matrix: Water
Analysis Batch: 713274

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 712722

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-Dinitrophenol	66.7	38.76		ug/L		58	10 - 150	7	40
2,4-Dinitrotoluene	33.3	27.65		ug/L		83	30 - 129	6	40
2,6-Dinitrotoluene	33.3	26.01		ug/L		78	34 - 132	6	40
2-Chloronaphthalene	33.3	22.50		ug/L		67	10 - 150	3	40
2-Chlorophenol	33.3	30.59		ug/L		92	28 - 127	11	40
2-Methylnaphthalene	33.3	21.91		ug/L		66	24 - 110	3	40
2-Methylphenol	33.3	33.26		ug/L		100	11 - 121	12	40
2-Nitroaniline	33.3	29.23		ug/L		88	31 - 141	3	40
2-Nitrophenol	33.3	27.58		ug/L		83	31 - 142	12	40
3 & 4 Methylphenol	33.3	34.79		ug/L		104	10 - 150	7	40
3,3'-Dichlorobenzidine	33.3	23.61		ug/L		71	10 - 150	2	40
3-Nitroaniline	33.3	26.68		ug/L		80	33 - 136	1	40
4,6-Dinitro-2-methylphenol	66.7	45.79		ug/L		69	10 - 150	9	40
4-Bromophenyl phenyl ether	33.3	25.81		ug/L		77	24 - 120	5	40
4-Chloro-3-methylphenol	33.3	34.20		ug/L		103	10 - 137	8	40
4-Chloroaniline	33.3	30.19		ug/L		91	10 - 150	0	40
4-Chlorophenyl phenyl ether	33.3	23.37		ug/L		70	31 - 110	6	40
4-Nitroaniline	33.3	25.71		ug/L		77	37 - 139	2	40
4-Nitrophenol	66.7	64.73		ug/L		97	10 - 150	10	40
Acenaphthene	33.3	23.45		ug/L		70	29 - 110	3	40
Acenaphthylene	33.3	24.64		ug/L		74	30 - 112	5	40
Acetophenone	33.3	30.29		ug/L		91	27 - 119	6	40
Anthracene	33.3	28.34		ug/L		85	31 - 120	8	40
Atrazine	50.0	51.15		ug/L		102	10 - 150	4	40
Benzaldehyde	50.0	41.96		ug/L		84	10 - 150	5	40
Benzo[a]anthracene	33.3	31.44		ug/L		94	36 - 118	10	40
Benzo[a]pyrene	33.3	31.05		ug/L		93	29 - 120	11	40
Benzo[b]fluoranthene	33.3	30.09		ug/L		90	32 - 119	14	40
Benzo[g,h,i]perylene	33.3	29.19		ug/L		88	28 - 115	11	40
Benzo[k]fluoranthene	33.3	32.50		ug/L		97	30 - 118	9	40
bis (2-chloroisopropyl) ether	33.3	25.54		ug/L		77	32 - 115	5	40
Bis(2-chloroethoxy)methane	33.3	28.46		ug/L		85	34 - 120	7	40
Bis(2-chloroethyl)ether	33.3	26.75		ug/L		80	32 - 114	7	40
Bis(2-ethylhexyl) phthalate	33.3	26.33		ug/L		79	24 - 133	9	40
Butyl benzyl phthalate	33.3	28.85		ug/L		87	24 - 140	15	40
Caprolactam	50.0	50.98		ug/L		102	10 - 150	10	40
Carbazole	33.3	29.48		ug/L		88	28 - 123	7	40
Chrysene	33.3	31.31		ug/L		94	34 - 113	7	40
Dibenz(a,h)anthracene	33.3	29.04		ug/L		87	29 - 117	10	40
Dibenzofuran	33.3	29.47		ug/L		88	35 - 110	6	40
Diethyl phthalate	33.3	27.85		ug/L		84	31 - 118	10	40
Dimethyl phthalate	33.3	29.42		ug/L		88	24 - 125	14	40
Di-n-butyl phthalate	33.3	26.73		ug/L		80	30 - 127	9	40
Di-n-octyl phthalate	33.3	25.73		ug/L		77	28 - 142	11	40
Fluoranthene	33.3	33.09		ug/L		99	30 - 124	9	40
Fluorene	33.3	25.66		ug/L		77	30 - 118	3	40
Hexachlorobenzene	33.3	26.50		ug/L		80	29 - 113	8	40
Hexachlorobutadiene	33.3	14.11		ug/L		42	10 - 117	15	40
Hexachlorocyclopentadiene	33.3	12.73	J	ug/L		38	10 - 150	15	40

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

Lab Sample ID: LCSD 400-712722/3-A
Matrix: Water
Analysis Batch: 713274

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 712722

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Hexachloroethane			33.3	15.58		ug/L		47	10 - 112	10	40
Indeno[1,2,3-cd]pyrene			33.3	28.73		ug/L		86	28 - 115	11	40
Isophorone			33.3	27.98		ug/L		84	29 - 125	4	40
Naphthalene			33.3	22.26		ug/L		67	27 - 110	5	40
Nitrobenzene			33.3	26.61		ug/L		80	29 - 129	6	40
N-Nitrosodi-n-propylamine			33.3	28.73		ug/L		86	53 - 134	7	40
N-Nitrosodiphenylamine			33.1	26.76		ug/L		81	62 - 132	6	40
Pentachlorophenol			66.7	64.77		ug/L		97	14 - 150	8	40
Phenanthrene			33.3	27.95		ug/L		84	32 - 115	6	40
Phenol			33.3	41.22		ug/L		124	10 - 150	9	40
Pyrene			33.3	35.28		ug/L		106	30 - 126	9	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*78*		*10 - 150*
2-Fluorobiphenyl (Surr)	*73*		*25 - 139*
2-Fluorophenol (Surr)	*92*		*10 - 150*
Nitrobenzene-d5 (Surr)	*82*		*22 - 150*
Phenol-d5 (Surr)	*105*		*10 - 150*
Terphenyl-d14 (Surr)	*86*		*28 - 150*

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

Lab Sample ID: MB 400-712935/1-A
Matrix: Water
Analysis Batch: 713352

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 712935

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.300	0.300	ug/L		06/16/25 07:00	06/19/25 14:17	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*15*		*10 - 140*	*06/16/25 07:00*	*06/19/25 14:17*	*1*

Lab Sample ID: LCS 400-712935/2-A
Matrix: Water
Analysis Batch: 713352

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 712935

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane			16.0	17.08		ug/L		107	30 - 150

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Dioxane-d8	*17*		*10 - 140*

Lab Sample ID: LCSD 400-712935/3-A
Matrix: Water
Analysis Batch: 713352

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 712935

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane			16.0	17.18		ug/L		107	30 - 150	1	

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

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
1,4-Dioxane-d8	18		10 - 140

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 400-712623/35
Matrix: Water
Analysis Batch: 712623

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			06/12/25 23:17	1

Lab Sample ID: LCS 400-712623/36
Matrix: Water
Analysis Batch: 712623

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	10.0	10.18		mg/L		102	90 - 110

Lab Sample ID: MB 400-712771/35
Matrix: Water
Analysis Batch: 712771

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			06/13/25 23:22	1

Lab Sample ID: LCS 400-712771/36
Matrix: Water
Analysis Batch: 712771

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	10.0	10.41		mg/L		104	90 - 110

Lab Sample ID: LCSD 400-712771/37
Matrix: Water
Analysis Batch: 712771

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	10.0	10.74		mg/L		107	90 - 110	3	15

Lab Sample ID: MB 400-713309/5
Matrix: Water
Analysis Batch: 713309

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			06/18/25 17:30	1

Lab Sample ID: LCS 400-713309/6
Matrix: Water
Analysis Batch: 713309

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	10.0	10.51		mg/L		105	90 - 110

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

Lab Sample ID: LCSD 400-713309/7
Matrix: Water
Analysis Batch: 713309

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate			10.0	10.63		mg/L		106	90 - 110	1	15

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 705-62827/1-A
Matrix: Water
Analysis Batch: 63808

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 62827

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	2.45	ug/L		06/20/25 12:15	06/25/25 01:07	1
Arsenic	ND		5.00	1.32	ug/L		06/20/25 12:15	06/25/25 01:07	1
Barium	ND		10.0	0.410	ug/L		06/20/25 12:15	06/25/25 01:07	1
Beryllium	ND		1.00	0.147	ug/L		06/20/25 12:15	06/25/25 01:07	1
Cadmium	ND		0.700	0.237	ug/L		06/20/25 12:15	06/25/25 01:07	1
Chromium	ND		5.00	3.69	ug/L		06/20/25 12:15	06/25/25 01:07	1
Cobalt	ND		5.00	0.411	ug/L		06/20/25 12:15	06/25/25 01:07	1
Copper	ND		2.00	0.642	ug/L		06/20/25 12:15	06/25/25 01:07	1
Lead	ND		1.00	0.864	ug/L		06/20/25 12:15	06/25/25 01:07	1
Manganese	ND		5.00	1.29	ug/L		06/20/25 12:15	06/25/25 01:07	1
Nickel	ND		5.00	0.422	ug/L		06/20/25 12:15	06/25/25 01:07	1
Selenium	ND		5.00	2.29	ug/L		06/20/25 12:15	06/25/25 01:07	1
Silver	ND		1.00	0.167	ug/L		06/20/25 12:15	06/25/25 01:07	1
Thallium	ND		1.00	0.190	ug/L		06/20/25 12:15	06/25/25 01:07	1
Vanadium	ND		5.00	1.22	ug/L		06/20/25 12:15	06/25/25 01:07	1
Zinc	ND		10.0	8.91	ug/L		06/20/25 12:15	06/25/25 01:07	1

Lab Sample ID: LCS 705-62827/2-A
Matrix: Water
Analysis Batch: 63808

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 62827

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony			100	100.9		ug/L		101	80 - 120
Arsenic			100	111.2		ug/L		111	80 - 120
Barium			100	103.6		ug/L		104	80 - 120
Beryllium			100	91.89		ug/L		92	80 - 120
Cadmium			100	96.88		ug/L		97	80 - 120
Chromium			100	109.6		ug/L		110	80 - 120
Cobalt			100	109.6		ug/L		110	80 - 120
Copper			100	112.7		ug/L		113	80 - 120
Lead			100	96.66		ug/L		97	80 - 120
Manganese			100	105.4		ug/L		105	80 - 120
Nickel			100	109.0		ug/L		109	80 - 120
Selenium			100	106.3		ug/L		106	80 - 120
Silver			10.0	10.39		ug/L		104	80 - 120
Thallium			100	92.04		ug/L		92	80 - 120
Vanadium			100	107.6		ug/L		108	80 - 120
Zinc			100	110.3		ug/L		110	80 - 120

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

Lab Sample ID: 400-277484-1 MS
Matrix: Water
Analysis Batch: 63808

Client Sample ID: SW-1
Prep Type: Total Recoverable
Prep Batch: 62827

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	ND		100	100.3		ug/L		100	75 - 125
Arsenic	ND		100	106.1		ug/L		106	75 - 125
Barium	80.6		100	179.7		ug/L		99	75 - 125
Beryllium	ND		100	93.33		ug/L		93	75 - 125
Cadmium	ND		100	96.01		ug/L		96	75 - 125
Chromium	ND		100	106.6		ug/L		107	75 - 125
Cobalt	0.771	J	100	106.7		ug/L		106	75 - 125
Copper	4.69		100	113.1		ug/L		108	75 - 125
Lead	0.868	J	100	97.53		ug/L		97	75 - 125
Manganese	69.0		100	168.2		ug/L		99	75 - 125
Nickel	3.19	J	100	107.6		ug/L		104	75 - 125
Selenium	ND		100	103.9		ug/L		104	75 - 125
Silver	ND		10.0	10.34		ug/L		103	75 - 125
Thallium	0.781	J	100	94.34		ug/L		94	75 - 125
Vanadium	2.91	J	100	107.3		ug/L		104	75 - 125
Zinc	17.0		100	123.0		ug/L		106	75 - 125

Lab Sample ID: 400-277484-1 MSD
Matrix: Water
Analysis Batch: 63808

Client Sample ID: SW-1
Prep Type: Total Recoverable
Prep Batch: 62827

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	ND		100	98.69		ug/L		99	75 - 125	2	20
Arsenic	ND		100	105.0		ug/L		105	75 - 125	1	20
Barium	80.6		100	177.2		ug/L		97	75 - 125	1	20
Beryllium	ND		100	94.37		ug/L		94	75 - 125	1	20
Cadmium	ND		100	96.55		ug/L		97	75 - 125	1	20
Chromium	ND		100	103.6		ug/L		104	75 - 125	3	20
Cobalt	0.771	J	100	104.7		ug/L		104	75 - 125	2	20
Copper	4.69		100	109.3		ug/L		105	75 - 125	3	20
Lead	0.868	J	100	93.57		ug/L		93	75 - 125	4	20
Manganese	69.0		100	166.8		ug/L		98	75 - 125	1	20
Nickel	3.19	J	100	105.1		ug/L		102	75 - 125	2	20
Selenium	ND		100	98.96		ug/L		99	75 - 125	5	20
Silver	ND		10.0	10.08		ug/L		101	75 - 125	3	20
Thallium	0.781	J	100	92.42		ug/L		92	75 - 125	2	20
Vanadium	2.91	J	100	104.3		ug/L		101	75 - 125	3	20
Zinc	17.0		100	138.7		ug/L		122	75 - 125	12	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 705-62909/1-A
Matrix: Water
Analysis Batch: 63120

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 62909

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.166	ug/L		06/20/25 13:57	06/20/25 18:32	1

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

Lab Sample ID: LCS 705-62909/2-A
Matrix: Water
Analysis Batch: 63120

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 62909

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	4.00	3.709		ug/L		93	80 - 120

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 400-713079/24
Matrix: Water
Analysis Batch: 713079

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			06/17/25 11:01	1

Lab Sample ID: LCS 400-713079/25
Matrix: Water
Analysis Batch: 713079

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	2.998		mg/L		100	90 - 110

Lab Sample ID: MRL 400-713079/19
Matrix: Water
Analysis Batch: 713079

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	0.07400		mg/L		149	50 - 150

Method: SM 4500 NO2 B - Nitrogen, Nitrite

Lab Sample ID: MB 400-712900/13
Matrix: Water
Analysis Batch: 712900

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.100	0.0180	mg/L			06/16/25 13:26	1

Lab Sample ID: LCS 400-712900/14
Matrix: Water
Analysis Batch: 712900

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrite as N	0.100	0.09478	J	mg/L		95	90 - 110

Lab Sample ID: MRL 400-712900/15
Matrix: Water
Analysis Batch: 712900

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Nitrite as N	0.0500	0.03767	J	mg/L		75	50 - 150

Method: SM 4500 NO2 B - Nitrogen, Nitrite (Continued)

Lab Sample ID: 400-277484-1 MS
Matrix: Water
Analysis Batch: 712900

Client Sample ID: SW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrite as N	0.0448	J H	0.100	0.1371		mg/L		92	80 - 118

Lab Sample ID: 400-277484-1 MSD
Matrix: Water
Analysis Batch: 712900

Client Sample ID: SW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrite as N	0.0448	J H	0.100	0.1365		mg/L		92	80 - 118	0	10

Method: SM 4500 NO3 F - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 400-713259/47
Matrix: Water
Analysis Batch: 713259

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.0500	0.0180	mg/L			06/18/25 13:49	1

Lab Sample ID: MB 400-713259/61
Matrix: Water
Analysis Batch: 713259

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	0.02100	J	0.0500	0.0180	mg/L			06/18/25 14:36	1

Lab Sample ID: LCS 400-713259/17
Matrix: Water
Analysis Batch: 713259

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	1.00	0.9620		mg/L		96	90 - 110

Lab Sample ID: LCS 400-713259/48
Matrix: Water
Analysis Batch: 713259

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	1.00	1.002		mg/L		100	90 - 110

Lab Sample ID: MRL 400-713259/62
Matrix: Water
Analysis Batch: 713259

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	0.0500	0.06900		mg/L		138	50 - 150

Method: SM 4500 NO3 F - Nitrogen, Nitrate-Nitrite (Continued)

Lab Sample ID: 400-277484-4 MS
Matrix: Water
Analysis Batch: 713259

Client Sample ID: SW-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate Nitrite as N	0.707	F1	0.999	1.814	F1	mg/L		111	90 - 110		

Lab Sample ID: 400-277484-4 MSD
Matrix: Water
Analysis Batch: 713259

Client Sample ID: SW-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate Nitrite as N	0.707	F1	0.999	1.687		mg/L		98	90 - 110	7	10

Lab Chronicle

Client: S&ME Inc
Job ID: 400-277484-1
Project/Site: Southside Park

Client Sample ID: SW-1
Lab Sample ID: 400-277484-1
Date Collected: 06/10/25 14:15
Matrix: Water
Date Received: 06/12/25 09:40

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	713485	06/20/25 18:28	RSG	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	713679	06/23/25 13:20	RSG	EET PEN
Total/NA	Prep	3511			31.5 mL	2 mL	712722	06/13/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			713274	06/19/25 05:37	UI	EET PEN
Total/NA	Prep	3510C			261.8 mL	1 mL	712935	06/16/25 07:00	JPH	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	713352	06/19/25 19:26	VC1	EET PEN
Total/NA	Analysis	9056A		5			713309	06/18/25 18:05	AMM	EET PEN
Total Recoverable	Prep	3005A			50 mL	50 mL	62827	06/20/25 12:15	EF	EET ATL
Total Recoverable	Analysis	6020B		1			63808	06/25/25 01:14	MD	EET ATL
Total/NA	Prep	7470A			5 mL	5 mL	62909	06/20/25 13:57	TA	EET ATL
Total/NA	Analysis	7470A		1			63120	06/20/25 19:47	GR	EET ATL
Total/NA	Analysis	350.1		1	10 mL	10 mL	713079	06/17/25 11:55	CAC	EET PEN
Total/NA	Analysis	Nitrate by calc		1	10 mL	10 mL	713532	06/16/25 13:27	KWS	EET PEN
Total/NA	Analysis	SM 4500 NO2 B		1	10 mL	10 mL	712900	06/16/25 13:27	KWS	EET PEN
Total/NA	Analysis	SM 4500 NO3 F		2	5 mL	5 mL	713259	06/18/25 14:00	EJT	EET PEN

Client Sample ID: SW-2
Lab Sample ID: 400-277484-2
Date Collected: 06/10/25 15:15
Matrix: Water
Date Received: 06/12/25 09:40

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	713485	06/20/25 20:17	RSG	EET PEN
Total/NA	Prep	3511			30.2 mL	2 mL	712722	06/13/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			713274	06/19/25 06:12	UI	EET PEN
Total/NA	Prep	3510C			270 mL	1 mL	712935	06/16/25 07:00	JPH	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	713352	06/19/25 19:48	VC1	EET PEN
Total/NA	Analysis	9056A		5			712771	06/13/25 23:48	AMM	EET PEN
Total Recoverable	Prep	3005A			50 mL	50 mL	62827	06/20/25 12:15	EF	EET ATL
Total Recoverable	Analysis	6020B		1			63808	06/25/25 01:31	MD	EET ATL
Total/NA	Prep	7470A			5 mL	5 mL	62909	06/20/25 13:57	TA	EET ATL
Total/NA	Analysis	7470A		1			63120	06/20/25 19:51	GR	EET ATL
Total/NA	Analysis	350.1		1	10 mL	10 mL	713079	06/17/25 11:57	CAC	EET PEN
Total/NA	Analysis	Nitrate by calc		1	10 mL	10 mL	713532	06/16/25 13:28	KWS	EET PEN
Total/NA	Analysis	SM 4500 NO2 B		1	10 mL	10 mL	712900	06/16/25 13:28	KWS	EET PEN
Total/NA	Analysis	SM 4500 NO3 F		2	5 mL	5 mL	713259	06/18/25 13:58	EJT	EET PEN

Client Sample ID: SW-3
Lab Sample ID: 400-277484-3
Date Collected: 06/10/25 15:45
Matrix: Water
Date Received: 06/12/25 09:40

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	713485	06/20/25 20:44	RSG	EET PEN

Client Sample ID: SW-3

Lab Sample ID: 400-277484-3

Date Collected: 06/10/25 15:45

Matrix: Water

Date Received: 06/12/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			32.5 mL	2 mL	712722	06/13/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			713274	06/19/25 06:48	UI	EET PEN
Total/NA	Prep	3510C			263.8 mL	1 mL	712935	06/16/25 07:00	JPH	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	713352	06/19/25 20:10	VC1	EET PEN
Total/NA	Analysis	9056A		1			712623	06/13/25 01:42	AMM	EET PEN
Total Recoverable	Prep	3005A			50 mL	50 mL	62827	06/20/25 12:15	EF	EET ATL
Total Recoverable	Analysis	6020B		1			63808	06/25/25 01:34	MD	EET ATL
Total/NA	Prep	7470A			5 mL	5 mL	62909	06/20/25 13:57	TA	EET ATL
Total/NA	Analysis	7470A		1			63120	06/20/25 19:55	GR	EET ATL
Total/NA	Analysis	350.1		1	10 mL	10 mL	713079	06/17/25 12:00	CAC	EET PEN
Total/NA	Analysis	Nitrate by calc		1	10 mL	10 mL	713532	06/16/25 13:28	KWS	EET PEN
Total/NA	Analysis	SM 4500 NO2 B		1	10 mL	10 mL	712900	06/16/25 13:28	KWS	EET PEN
Total/NA	Analysis	SM 4500 NO3 F		1	5 mL	5 mL	713259	06/18/25 13:57	EJT	EET PEN

Client Sample ID: SW-4

Lab Sample ID: 400-277484-4

Date Collected: 06/10/25 16:15

Matrix: Water

Date Received: 06/12/25 09:40

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	713485	06/20/25 21:11	RSG	EET PEN
Total/NA	Prep	3511			30.5 mL	2 mL	712722	06/13/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			713274	06/19/25 07:24	UI	EET PEN
Total/NA	Prep	3510C			255.2 mL	1 mL	712935	06/16/25 07:00	JPH	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	713352	06/19/25 20:32	VC1	EET PEN
Total/NA	Analysis	9056A		1			712623	06/13/25 01:51	AMM	EET PEN
Total Recoverable	Prep	3005A			50 mL	50 mL	62827	06/20/25 12:15	EF	EET ATL
Total Recoverable	Analysis	6020B		1			63808	06/25/25 01:37	MD	EET ATL
Total/NA	Prep	7470A			5 mL	5 mL	62909	06/20/25 13:57	TA	EET ATL
Total/NA	Analysis	7470A		1			63120	06/20/25 19:59	GR	EET ATL
Total/NA	Analysis	350.1		1	10 mL	10 mL	713079	06/17/25 12:03	CAC	EET PEN
Total/NA	Analysis	Nitrate by calc		1	10 mL	10 mL	713532	06/16/25 13:29	KWS	EET PEN
Total/NA	Analysis	SM 4500 NO2 B		1	10 mL	10 mL	712900	06/16/25 13:29	KWS	EET PEN
Total/NA	Analysis	SM 4500 NO3 F		1	5 mL	5 mL	713259	06/18/25 13:52	EJT	EET PEN

Client Sample ID: SW-5

Lab Sample ID: 400-277484-5

Date Collected: 06/10/25 16:40

Matrix: Water

Date Received: 06/12/25 09:40

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	713485	06/20/25 21:39	RSG	EET PEN
Total/NA	Prep	3511			29.8 mL	2 mL	712722	06/13/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			713274	06/19/25 08:00	UI	EET PEN
Total/NA	Prep	3510C			262 mL	1 mL	712935	06/16/25 07:00	JPH	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	713352	06/19/25 20:54	VC1	EET PEN

Client Sample ID: SW-5
Lab Sample ID: 400-277484-5

Date Collected: 06/10/25 16:40
Matrix: Water
Date Received: 06/12/25 09:40

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			712623	06/13/25 01:59	AMM	EET PEN
Total Recoverable	Prep	3005A			50 mL	50 mL	62827	06/20/25 12:15	EF	EET ATL
Total Recoverable	Analysis	6020B		1			63808	06/25/25 02:01	MD	EET ATL
Total/NA	Prep	7470A			5 mL	5 mL	62909	06/20/25 13:57	TA	EET ATL
Total/NA	Analysis	7470A		1			63120	06/20/25 20:03	GR	EET ATL
Total/NA	Analysis	350.1		1	10 mL	10 mL	713079	06/17/25 12:05	CAC	EET PEN
Total/NA	Analysis	Nitrate by calc		1	10 mL	10 mL	713532	06/16/25 13:29	KWS	EET PEN
Total/NA	Analysis	SM 4500 NO2 B		1	10 mL	10 mL	712900	06/16/25 13:29	KWS	EET PEN
Total/NA	Analysis	SM 4500 NO3 F		1	5 mL	5 mL	713259	06/18/25 13:44	EJT	EET PEN

Client Sample ID: DUP-6102025-SW
Lab Sample ID: 400-277484-6

Date Collected: 06/10/25 00:00
Matrix: Water
Date Received: 06/12/25 09:40

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	713485	06/20/25 22:06	RSG	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	713679	06/23/25 13:42	RSG	EET PEN
Total/NA	Prep	3511			30.9 mL	2 mL	712722	06/13/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			713274	06/19/25 08:36	UI	EET PEN
Total/NA	Prep	3510C			257 mL	1 mL	712935	06/16/25 07:00	JPH	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	713592	06/20/25 21:24	VC1	EET PEN
Total/NA	Analysis	9056A		5			712771	06/13/25 23:56	AMM	EET PEN
Total Recoverable	Prep	3005A			50 mL	50 mL	62827	06/20/25 12:15	EF	EET ATL
Total Recoverable	Analysis	6020B		1			63808	06/25/25 02:04	MD	EET ATL
Total/NA	Prep	7470A			5 mL	5 mL	62909	06/20/25 13:57	TA	EET ATL
Total/NA	Analysis	7470A		1			63120	06/20/25 20:07	GR	EET ATL
Total/NA	Analysis	350.1		1	10 mL	10 mL	713079	06/17/25 12:19	CAC	EET PEN
Total/NA	Analysis	Nitrate by calc		1	10 mL	10 mL	713532	06/16/25 13:30	KWS	EET PEN
Total/NA	Analysis	SM 4500 NO2 B		1	10 mL	10 mL	712900	06/16/25 13:30	KWS	EET PEN
Total/NA	Analysis	SM 4500 NO3 F		2	5 mL	5 mL	713259	06/18/25 13:42	EJT	EET PEN

Client Sample ID: TRIP BLANK
Lab Sample ID: 400-277484-7

Date Collected: 06/10/25 00:00
Matrix: Water
Date Received: 06/12/25 09:40

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	713485	06/20/25 22:33	RSG	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-712623/35

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			712623	06/12/25 23:17	AMM	EET PEN

Lab Chronicle

Client: S&ME Inc
Job ID: 400-277484-1
Project/Site: Southside Park

Client Sample ID: Method Blank
Lab Sample ID: MB 400-712722/1-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	712722	06/13/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			713274	06/19/25 03:13	UI	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-712771/35
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			712771	06/13/25 23:22	AMM	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-712900/13
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	SM 4500 NO2 B		1	10 mL	10 mL	712900	06/16/25 13:26	KWS	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-712935/1-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	712935	06/16/25 07:00	JPH	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	713352	06/19/25 14:17	VC1	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-713079/24
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	350.1		1	10 mL	10 mL	713079	06/17/25 11:01	CAC	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-713259/47
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	SM 4500 NO3 F		1	5 mL	5 mL	713259	06/18/25 13:49	EJT	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-713259/61
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	SM 4500 NO3 F		1	5 mL	5 mL	713259	06/18/25 14:36	EJT	EET PEN

Lab Chronicle

Client: S&ME Inc
Project/Site: Southside Park

Job ID: 400-277484-1

Client Sample ID: Method Blank
Lab Sample ID: MB 400-713309/5

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			713309	06/18/25 17:30	AMM	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-713485/4

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	713485	06/20/25 17:34	RSG	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-713679/6

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	713679	06/23/25 11:31	RSG	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 705-62827/1-A

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	62827	06/20/25 12:15	EF	EET ATL
Total Recoverable	Analysis	6020B		1			63808	06/25/25 01:07	MD	EET ATL

Client Sample ID: Method Blank
Lab Sample ID: MB 705-62909/1-A

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			5 mL	5 mL	62909	06/20/25 13:57	TA	EET ATL
Total/NA	Analysis	7470A		1			63120	06/20/25 18:32	GR	EET ATL

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-712623/36

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			712623	06/12/25 23:26	AMM	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-712722/2-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	712722	06/13/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			713274	06/19/25 03:49	UI	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-712771/36**
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			712771	06/13/25 23:31	AMM	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-712900/14**
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	SM 4500 NO2 B		1	10 mL	10 mL	712900	06/16/25 13:26	KWS	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-712935/2-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	712935	06/16/25 07:00	JPH	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	713352	06/19/25 14:39	VC1	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-713079/25**
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	350.1		1	10 mL	10 mL	713079	06/17/25 11:04	CAC	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-713259/17**
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	SM 4500 NO3 F		1	5 mL	5 mL	713259	06/18/25 12:59	EJT	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-713259/48**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 NO3 F		1	5 mL	5 mL	713259	06/18/25 13:50	EJT	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-713309/6**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			713309	06/18/25 17:39	AMM	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-713485/52
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	713485	06/20/25 16:40	RSG	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-713679/1002
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	713679	06/23/25 10:31	RSG	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 705-62827/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	62827	06/20/25 12:15	EF	EET ATL
Total Recoverable	Analysis	6020B		1			63808	06/25/25 01:11	MD	EET ATL

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 705-62909/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			5 mL	5 mL	62909	06/20/25 13:57	TA	EET ATL
Total/NA	Analysis	7470A		1			63120	06/20/25 18:36	GR	EET ATL

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-712722/3-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	712722	06/13/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			713274	06/19/25 04:25	UI	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-712771/37
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			712771	06/13/25 23:39	AMM	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-712935/3-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	712935	06/16/25 07:00	JPH	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	713352	06/19/25 15:01	VC1	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-713309/7
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			713309	06/18/25 17:48	AMM	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: MRL 400-712900/15
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	SM 4500 NO2 B		1	10 mL	10 mL	712900	06/16/25 13:26	KWS	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: MRL 400-713079/19
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	713079	06/17/25 10:48	CAC	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: MRL 400-713259/62
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 NO3 F		1	5 mL	5 mL	713259	06/18/25 14:38	EJT	EET PEN

Client Sample ID: SW-1
Lab Sample ID: 400-277484-1 MS
Date Collected: 06/10/25 14:15
Matrix: Water
Date Received: 06/12/25 09:40

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	713485	06/20/25 18:56	RSG	EET PEN
Total Recoverable	Prep	3005A			50 mL	50 mL	62827	06/20/25 12:15	EF	EET ATL
Total Recoverable	Analysis	6020B		1			63808	06/25/25 01:18	MD	EET ATL
Total/NA	Analysis	SM 4500 NO2 B		1	10 mL	10 mL	712900	06/16/25 13:27	KWS	EET PEN

Lab Chronicle

Client: S&ME Inc
Job ID: 400-277484-1
Project/Site: Southside Park

Client Sample ID: SW-1
Lab Sample ID: 400-277484-1 MSD
Date Collected: 06/10/25 14:15
Matrix: Water
Date Received: 06/12/25 09:40

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	713485	06/20/25 19:23	RSG	EET PEN
Total Recoverable	Prep	3005A			50 mL	50 mL	62827	06/20/25 12:15	EF	EET ATL
Total Recoverable	Analysis	6020B		1			63808	06/25/25 01:21	MD	EET ATL
Total/NA	Analysis	SM 4500 NO2 B		1	10 mL	10 mL	712900	06/16/25 13:28	KWS	EET PEN

Client Sample ID: SW-4
Lab Sample ID: 400-277484-4 MS
Date Collected: 06/10/25 16:15
Matrix: Water
Date Received: 06/12/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 NO3 F		1	5 mL	5 mL	713259	06/18/25 13:53	EJT	EET PEN

Client Sample ID: SW-4
Lab Sample ID: 400-277484-4 MSD
Date Collected: 06/10/25 16:15
Matrix: Water
Date Received: 06/12/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 NO3 F		1	5 mL	5 mL	713259	06/18/25 13:55	EJT	EET PEN

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Method Summary

Client: S&ME Inc
Job ID: 400-277484-1
Project/Site: Southside Park

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
8270E SIM ID	Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)	SW846	EET PEN
9056A	Anions, Ion Chromatography	SW846	EET PEN
6020B	Metals (ICP/MS)	SW846	EET ATL
7470A	Mercury (CVAA)	SW846	EET ATL
350.1	Nitrogen, Ammonia	EPA	EET PEN
Nitrate by calc	Nitrogen, Nitrate	SM	EET PEN
SM 4500 NO2 B	Nitrogen, Nitrite	SM	EET PEN
SM 4500 NO3 F	Nitrogen, Nitrate-Nitrite	SM	EET PEN
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET ATL
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN
7470A	Preparation, Mercury	SW846	EET ATL

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Accreditation/Certification Summary

Client: S&ME Inc
Job ID: 400-277484-1
Project/Site: Southside 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	Sulfate

Laboratory: Eurofins Atlanta

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
North Carolina (WW/SW)	State	562	12-31-25

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone (850) 474-1001 Phone (850) 478-2671

Chain of Custody Record

400-277484 Chain of Custody

eurofins | Environment Testing

Client Information	Sampler: Dennis Donath	Lab PM: Bechtold, Chad	COC No: 680-167655-59302.1
Client Contact: Thomas Raymond	Phone: 704-956-6241	E-Mail: Chad.Bechtold@et...	Page: 1 of 1
Company: S&ME Inc	PWSID:		Job #: 215952M
Address: 3201 Spring Forest Road	Due Date Requested:		
City: Raleigh	TAT Requested (days): STANDARD TAT		
State, Zip: NC, 27616	Compliance Project: Δ Yes Δ No		
Phone: 919-872-2660(Tel) 919-876-3958(Fax)	PO #: 215952		
Email: traymond@smeinc.com	WO #:		
Project Name: Southside Park LF	Project #: 68026680		
Site: Southside Park	SSOW#:		

Analysis Requested

Preservation Codes:
N - None
S - H2SO4
D - HNO3
A - HCL

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)	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-1	6/10/2025	1415	G	W		X	X	X	X	X	X		
SW-2	6/10/2025	1515	G	W		X	X	X	X	X	X		
SW-3	6/10/2025	1545	G	W		X	X	X	X	X	X		
SW-4	6/10/2025	1615	G	W		X	X	X	X	X	X		
SW-5	6/10/2025	1640	G	W		X	X	X	X	X	X		
DUP-6102025-SW	6/10/2025	—	G	W		X	X	X	X	X	X		
TRIP BLANK						X	X	X	X	X	X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: Dennis Donath of SME | Date: 06/10/2025 | Time: 1915 | Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Dennis Donath of SME	06/10/2025 1915		[illegible]	6-11-25 0900	
[illegible]	6-11-25 1630				
			[illegible]	06/12/25 940	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 0.2°C IR8 0.4°C IR8

Ver: 05/06/2024

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

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Bechtold, Chad	Carrier Tracking No(s): N/A	COC No: 400-378186.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Chad.Bechtold@et.eurofinsus.com	State of Origin: North Carolina	Page: Page 1 of 1
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): State - North Carolina (WW/SW)		Job #: 400-277484-1
Address: 5102 LaRoche Avenue,	Due Date Requested: 6/20/2025			
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: Southside Park	Project #: 68026680			
Site: N/A	SSOW#: N/A			

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3005A PRLF 16 Metals, including prep	7470A/7470A_Prep Mercury	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
SW-1 (400-277484-1)	6/10/25	14:15 Eastern	G	Water			X	X	1	
SW-2 (400-277484-2)	6/10/25	15:15 Eastern	G	Water			X	X	1	
SW-3 (400-277484-3)	6/10/25	15:45 Eastern	G	Water			X	X	1	
SW-4 (400-277484-4)	6/10/25	16:15 Eastern	G	Water			X	X	1	
SW-5 (400-277484-5)	6/10/25	16:40 Eastern	G	Water			X	X	1	
DUP-6102025-SW (400-277484-6)	6/10/25	Eastern	G	Water			X	X	1	

Preservation Codes: -
Other: N/A

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		6/16/25 17W	EET		6-17-25 954	M
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: 1.6/LC

Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone: 912-354-7858 Fax: 912-352-0165

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: 680-801617.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Chad.Bechtold@et.eurofinsus.com	State of Origin: North Carolina	Page: Page 1 of 1
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): State - North Carolina (WW/SW)		Job #: 400-277484-1
Address: 3080 Presidential Dr, ,	Due Date Requested: 6/24/2025			
City: Atlanta	TAT Requested (days): N/A			
State, Zip: GA, 30340				
Phone: 770-457-8177(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Southside 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:							
SW-1 (400-277484-1)	6/10/25	14:15 Eastern	G	Water			X	X	1	
SW-2 (400-277484-2)	6/10/25	15:15 Eastern	G	Water			X	X	1	
SW-3 (400-277484-3)	6/10/25	15:45 Eastern	G	Water			X	X	1	
SW-4 (400-277484-4)	6/10/25	16:15 Eastern	G	Water			X	X	1	
SW-5 (400-277484-5)	6/10/25	16:40 Eastern	G	Water			X	X	1	
DUP-6102025-SW (400-277484-6)	6/10/25	Eastern	G	Water			X	X	1	

Analysis Requested

Preservation Codes: -

Other: N/A

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	6-17-25 1430			6/18/25 600	
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: 2927 0.1, -0.2, -0.1

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: S&ME Inc

Job Number: 400-277484-1

Login Number: 277484

List Source: Eurofins Pensacola

List Number: 1

Creator: Pardonner, Brett

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	0.2°C 0.4°C IR8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: S&ME Inc

Job Number: 400-277484-1

Login Number: 277484
List Number: 3
Creator: Karbievskii, Konstantin

List Source: Eurofins Atlanta
List Creation: 06/18/25 06:29 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
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.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Thomas Raymond
S&ME Inc
3201 Spring Forest Road
Raleigh, North Carolina 27616

Generated 7/8/2025 7:06:10 PM

JOB DESCRIPTION

Southside Park LF

JOB NUMBER

400-277472-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



Generated
7/8/2025 7:06:10 PM

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

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Detection Summary 5
Sample Summary 8
Client Sample Results 9
Definitions 41
Surrogate Summary 42
QC Association 44
QC Sample Results 49
Chronicle 67
Method Summary 76
Certification Summary 77
Chain of Custody 79
Receipt Checklists 83

Job Narrative
400-277472-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 6/12/2025 9:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.4°C.

GC/MS VOA
Method 8260D: The laboratory control sample (LCS) for preparation batch 400-713379 and analytical batch 400-713320 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.

Method 8260D: The laboratory control sample (LCS) for preparation batch 400-713566 and analytical batch 400-713502 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 400-713723 and analytical batch 400-713984 recovered outside control limits for the following analyte: 3-Nitroaniline. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method 8270E: The following samples were diluted due to the nature of the sample matrix: SD-1 (400-277472-1), SD-2 (400-277472-2), SD-3 (400-277472-3), SD-4 (400-277472-4), SD-5 (400-277472-5) and DUP-6102025-SD (400-277472-6). Elevated reporting limits (RLs) are provided.

Method 8270E_SIM/ID - 1,4-Dioxane: The following samples were diluted due to the nature of the sample matrix: SD-1 (400-277472-1), SD-2 (400-277472-2), SD-3 (400-277472-3), SD-4 (400-277472-4), SD-5 (400-277472-5) and DUP-6102025-SD (400-277472-6). Elevated reporting limits (RLs) are provided.

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

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: Southside Park LF

Job ID: 400-277472-1

Client Sample ID: SD-1 — Lab Sample ID: 400-277472-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0277	J	0.0278	0.0133	mg/Kg	1	☼	8260D	Total/NA
1,4-Dioxane	0.00952		0.00778	0.00778	mg/Kg	5	☼	8270E SIM ID	Total/NA
Benzo[a]anthracene	1.70	J	2.16	0.577	mg/Kg	5	☼	8270E	Total/NA
Benzo[a]pyrene	1.71	J	2.16	0.308	mg/Kg	5	☼	8270E	Total/NA
Benzo[b]fluoranthene	3.04		2.16	0.649	mg/Kg	5	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.966	J	2.16	0.721	mg/Kg	5	☼	8270E	Total/NA
Benzo[k]fluoranthene	1.25	J	2.16	0.511	mg/Kg	5	☼	8270E	Total/NA
Chrysene	1.90	J	2.16	0.694	mg/Kg	5	☼	8270E	Total/NA
Fluoranthene	3.96		2.16	0.478	mg/Kg	5	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.881	J	2.16	0.871	mg/Kg	5	☼	8270E	Total/NA
Phenanthrene	1.67	J	2.16	0.531	mg/Kg	5	☼	8270E	Total/NA
Pyrene	2.25		2.16	0.511	mg/Kg	5	☼	8270E	Total/NA
Chromium, hexavalent	2.56		0.811	0.541	mg/Kg	1	☼	7199	Total/NA
Sulfate	24.7	J	26.1	9.53	mg/Kg	1	☼	9056A	Soluble
Silver	0.111	J	0.165	0.00192	mg/Kg	5	☼	6020B	Total/NA
Arsenic	1.15		0.397	0.0354	mg/Kg	5	☼	6020B	Total/NA
Chromium	23.6		0.662	0.136	mg/Kg	5	☼	6020B	Total/NA
Copper	15.9		0.331	0.0344	mg/Kg	5	☼	6020B	Total/NA
Cadmium	0.169	J	0.331	0.0108	mg/Kg	5	☼	6020B	Total/NA
Cobalt	7.72		0.496	0.0187	mg/Kg	5	☼	6020B	Total/NA
Barium	47.8		1.65	0.00936	mg/Kg	5	☼	6020B	Total/NA
Beryllium	0.188	J	0.331	0.0232	mg/Kg	5	☼	6020B	Total/NA
Manganese	280		6.62	0.407	mg/Kg	50	☼	6020B	Total/NA
Nickel	6.53		0.662	0.0173	mg/Kg	5	☼	6020B	Total/NA
Lead	18.8		0.331	0.0390	mg/Kg	5	☼	6020B	Total/NA
Antimony	0.214	J	0.662	0.151	mg/Kg	5	☼	6020B	Total/NA
Selenium	0.211	J	1.65	0.117	mg/Kg	5	☼	6020B	Total/NA
Thallium	0.0385	J	0.463	0.0279	mg/Kg	5	☼	6020B	Total/NA
Vanadium	25.3		0.662	0.0831	mg/Kg	5	☼	6020B	Total/NA
Zinc	47.1		1.65	1.37	mg/Kg	5	☼	6020B	Total/NA

Client Sample ID: SD-2 — Lab Sample ID: 400-277472-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0165	J	0.0230	0.0111	mg/Kg	1	☼	8260D	Total/NA
1,4-Dioxane	0.0255		0.00835	0.00835	mg/Kg	5	☼	8270E SIM ID	Total/NA
Fluoranthene	0.554	J	2.24	0.494	mg/Kg	5	☼	8270E	Total/NA
Chromium, hexavalent	0.931		0.867	0.578	mg/Kg	1	☼	7199	Total/NA
Sulfate	22.2	J	28.0	10.2	mg/Kg	1	☼	9056A	Soluble
Silver	0.164	J	0.176	0.00204	mg/Kg	5	☼	6020B	Total/NA
Arsenic	1.91		0.422	0.0377	mg/Kg	5	☼	6020B	Total/NA
Chromium	27.9		0.704	0.145	mg/Kg	5	☼	6020B	Total/NA
Copper	19.1		0.352	0.0366	mg/Kg	5	☼	6020B	Total/NA
Cadmium	0.280	J	0.352	0.0115	mg/Kg	5	☼	6020B	Total/NA
Cobalt	8.80		0.528	0.0199	mg/Kg	5	☼	6020B	Total/NA
Barium	50.7		1.76	0.00996	mg/Kg	5	☼	6020B	Total/NA
Beryllium	0.186	J	0.352	0.0247	mg/Kg	5	☼	6020B	Total/NA
Manganese	425		7.04	0.433	mg/Kg	50	☼	6020B	Total/NA
Nickel	7.58		0.704	0.0184	mg/Kg	5	☼	6020B	Total/NA
Lead	24.4		0.352	0.0415	mg/Kg	5	☼	6020B	Total/NA
Antimony	0.269	J	0.704	0.161	mg/Kg	5	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SD-2 (Continued) — Lab Sample ID: 400-277472-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Selenium	0.152	J	1.76	0.125	mg/Kg	5	☼	6020B	Total/NA
Vanadium	31.2		0.704	0.0884	mg/Kg	5	☼	6020B	Total/NA
Zinc	85.0		1.76	1.46	mg/Kg	5	☼	6020B	Total/NA

Client Sample ID: SD-3 — Lab Sample ID: 400-277472-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0376		0.0226	0.0109	mg/Kg	1	☼	8260D	Total/NA
1,4-Dioxane	0.00910		0.00750	0.00750	mg/Kg	5	☼	8270E SIM ID	Total/NA
Sulfate	13.5	J	25.0	9.13	mg/Kg	1	☼	9056A	Soluble
Silver	0.0877	J	0.158	0.00184	mg/Kg	5	☼	6020B	Total/NA
Arsenic	1.02		0.380	0.0339	mg/Kg	5	☼	6020B	Total/NA
Chromium	14.4		0.633	0.130	mg/Kg	5	☼	6020B	Total/NA
Copper	26.4		0.317	0.0329	mg/Kg	5	☼	6020B	Total/NA
Cadmium	0.119	J	0.317	0.0103	mg/Kg	5	☼	6020B	Total/NA
Cobalt	10.6		0.475	0.0179	mg/Kg	5	☼	6020B	Total/NA
Barium	55.0		1.58	0.00896	mg/Kg	5	☼	6020B	Total/NA
Beryllium	0.140	J	0.317	0.0222	mg/Kg	5	☼	6020B	Total/NA
Manganese	259		6.33	0.390	mg/Kg	50	☼	6020B	Total/NA
Nickel	9.45		0.633	0.0166	mg/Kg	5	☼	6020B	Total/NA
Lead	10.4		0.317	0.0374	mg/Kg	5	☼	6020B	Total/NA
Selenium	0.184	J	1.58	0.112	mg/Kg	5	☼	6020B	Total/NA
Vanadium	25.5		0.633	0.0795	mg/Kg	5	☼	6020B	Total/NA
Zinc	44.9		1.58	1.31	mg/Kg	5	☼	6020B	Total/NA

Client Sample ID: SD-4 — Lab Sample ID: 400-277472-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0209		0.0180	0.00865	mg/Kg	1	☼	8260D	Total/NA
2-Butanone (MEK)	0.00440	J	0.0180	0.00432	mg/Kg	1	☼	8260D	Total/NA
1,4-Dioxane	0.0370		0.00882	0.00882	mg/Kg	5	☼	8270E SIM ID	Total/NA
Chromium, hexavalent	1.64		0.906	0.604	mg/Kg	1	☼	7199	Total/NA
Sulfate	64.1		29.3	10.7	mg/Kg	1	☼	9056A	Soluble
Silver	0.0283	J	0.186	0.00216	mg/Kg	5	☼	6020B	Total/NA
Arsenic	0.926		0.447	0.0399	mg/Kg	5	☼	6020B	Total/NA
Chromium	36.8		0.745	0.154	mg/Kg	5	☼	6020B	Total/NA
Copper	14.1		0.373	0.0388	mg/Kg	5	☼	6020B	Total/NA
Cadmium	0.101	J	0.373	0.0121	mg/Kg	5	☼	6020B	Total/NA
Cobalt	11.7		0.559	0.0211	mg/Kg	5	☼	6020B	Total/NA
Barium	45.4		1.86	0.0105	mg/Kg	5	☼	6020B	Total/NA
Beryllium	0.199	J	0.373	0.0261	mg/Kg	5	☼	6020B	Total/NA
Manganese	475		7.45	0.458	mg/Kg	50	☼	6020B	Total/NA
Nickel	6.25		0.745	0.0195	mg/Kg	5	☼	6020B	Total/NA
Lead	31.2		0.373	0.0440	mg/Kg	5	☼	6020B	Total/NA
Antimony	0.282	J	0.745	0.170	mg/Kg	5	☼	6020B	Total/NA
Selenium	0.162	J	1.86	0.132	mg/Kg	5	☼	6020B	Total/NA
Vanadium	39.9		0.745	0.0935	mg/Kg	5	☼	6020B	Total/NA
Zinc	42.4		1.86	1.55	mg/Kg	5	☼	6020B	Total/NA
Ammonia (as N)	0.542	J	1.43	0.457	mg/Kg	1	☼	350.1	Soluble

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: S&ME Inc
Project/Site: Southside Park LF

Job ID: 400-277472-1

Client Sample ID: SD-5 — Lab Sample ID: 400-277472-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0799		0.0406	0.0195	mg/Kg	1	☼	8260D	Total/NA
Chromium, hexavalent	1.15		0.844	0.563	mg/Kg	1	☼	7199	Total/NA
Sulfate	10.7	J	27.8	10.2	mg/Kg	1	☼	9056A	Soluble
Silver	0.0192	J	0.182	0.00211	mg/Kg	5	☼	6020B	Total/NA
Arsenic	1.40		0.436	0.0389	mg/Kg	5	☼	6020B	Total/NA
Chromium	38.1		0.727	0.150	mg/Kg	5	☼	6020B	Total/NA
Copper	35.5		0.364	0.0378	mg/Kg	5	☼	6020B	Total/NA
Cadmium	0.168	J	0.364	0.0119	mg/Kg	5	☼	6020B	Total/NA
Cobalt	23.7		0.545	0.0206	mg/Kg	5	☼	6020B	Total/NA
Barium	90.0		1.82	0.0103	mg/Kg	5	☼	6020B	Total/NA
Beryllium	0.504		0.364	0.0255	mg/Kg	5	☼	6020B	Total/NA
Manganese	559		7.27	0.447	mg/Kg	50	☼	6020B	Total/NA
Nickel	8.29		0.727	0.0190	mg/Kg	5	☼	6020B	Total/NA
Lead	26.1		0.364	0.0429	mg/Kg	5	☼	6020B	Total/NA
Selenium	0.310	J	1.82	0.129	mg/Kg	5	☼	6020B	Total/NA
Thallium	0.0495	J	0.509	0.0306	mg/Kg	5	☼	6020B	Total/NA
Vanadium	93.0		0.727	0.0912	mg/Kg	5	☼	6020B	Total/NA
Zinc	108		1.82	1.51	mg/Kg	5	☼	6020B	Total/NA
Ammonia (as N)	0.695	J	1.39	0.445	mg/Kg	1	☼	350.1	Soluble

Client Sample ID: DUP-6102025-SD — Lab Sample ID: 400-277472-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0388		0.0240	0.0115	mg/Kg	1	☼	8260D	Total/NA
Fluoranthene	0.901	J	2.17	0.479	mg/Kg	5	☼	8270E	Total/NA
Pyrene	0.543	J	2.17	0.512	mg/Kg	5	☼	8270E	Total/NA
Chromium, hexavalent	2.83		0.809	0.539	mg/Kg	1	☼	7199	Total/NA
Sulfate	14.7	J	26.4	9.65	mg/Kg	1	☼	9056A	Soluble
Silver	0.242		0.167	0.00194	mg/Kg	5	☼	6020B	Total/NA
Arsenic	1.32		0.401	0.0357	mg/Kg	5	☼	6020B	Total/NA
Chromium	20.1		0.668	0.138	mg/Kg	5	☼	6020B	Total/NA
Copper	23.6		0.334	0.0347	mg/Kg	5	☼	6020B	Total/NA
Cadmium	0.181	J	0.334	0.0109	mg/Kg	5	☼	6020B	Total/NA
Cobalt	9.19		0.501	0.0189	mg/Kg	5	☼	6020B	Total/NA
Barium	65.9		1.67	0.00945	mg/Kg	5	☼	6020B	Total/NA
Beryllium	0.212	J	0.334	0.0234	mg/Kg	5	☼	6020B	Total/NA
Manganese	386		6.68	0.411	mg/Kg	50	☼	6020B	Total/NA
Nickel	7.28		0.668	0.0175	mg/Kg	5	☼	6020B	Total/NA
Lead	23.4		0.334	0.0394	mg/Kg	5	☼	6020B	Total/NA
Antimony	0.162	J	0.668	0.153	mg/Kg	5	☼	6020B	Total/NA
Selenium	0.142	J	1.67	0.119	mg/Kg	5	☼	6020B	Total/NA
Vanadium	28.5		0.668	0.0838	mg/Kg	5	☼	6020B	Total/NA
Zinc	69.1		1.67	1.39	mg/Kg	5	☼	6020B	Total/NA
Ammonia (as N)	0.702	J	1.25	0.401	mg/Kg	1	☼	350.1	Soluble

Client Sample ID: TRIP BLANK — Lab Sample ID: 400-277472-7

No Detections.

This Detection Summary does not include radiochemical test results.

Sample Summary

Client: S&ME Inc
Project/Site: Southside Park LF

Job ID: 400-277472-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-277472-1	SD-1	Solid	06/10/25 14:15	06/12/25 09:40
400-277472-2	SD-2	Solid	06/10/25 15:15	06/12/25 09:40
400-277472-3	SD-3	Solid	06/10/25 15:45	06/12/25 09:40
400-277472-4	SD-4	Solid	06/10/25 16:15	06/12/25 09:40
400-277472-5	SD-5	Solid	06/10/25 16:40	06/12/25 09:40
400-277472-6	DUP-6102025-SD	Solid	06/10/25 00:00	06/12/25 09:40
400-277472-7	TRIP BLANK	Water	06/10/25 00:00	06/12/25 09:40

Client: S&ME Inc
Project/Site: Southside Park LF

Job ID: 400-277472-1

Client Sample ID: SD-1
Date Collected: 06/10/25 14:15
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277472-1
Matrix: Solid
Percent Solids: 76.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.0277**	**J**	0.0278	0.0133	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
Benzene	ND		0.00556	0.000744	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
Bromobenzene	ND		0.00556	0.00144	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
Chlorobromomethane	ND		0.00556	0.000900	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
Dichlorobromomethane	ND		0.00556	0.00102	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
Bromoform	ND		0.00556	0.00144	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
Bromomethane	ND		0.00556	0.00278	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
2-Butanone (MEK)	ND		0.0278	0.00667	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
n-Butylbenzene	ND		0.00556	0.00107	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
sec-Butylbenzene	ND		0.00556	0.00106	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
tert-Butylbenzene	ND		0.00556	0.00122	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
Carbon disulfide	ND		0.00556	0.00281	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
Carbon tetrachloride	ND		0.00556	0.00189	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
Chlorobenzene	ND		0.00556	0.00147	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
Chloroethane	ND		0.00556	0.00367	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
Chloroform	ND		0.00556	0.00151	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
Chloromethane	ND		0.00556	0.00246	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
2-Chlorotoluene	ND		0.00556	0.00184	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
4-Chlorotoluene	ND		0.00556	0.00109	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
Chlorodibromomethane	ND		0.00556	0.00133	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
1,2-Dibromo-3-Chloropropane	ND		0.00556	0.00367	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
Ethylene Dibromide	ND		0.00556	0.00111	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
Dibromomethane	ND		0.00556	0.000922	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
1,2-Dichlorobenzene	ND		0.00556	0.00177	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
1,3-Dichlorobenzene	ND		0.00556	0.00106	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
1,4-Dichlorobenzene	ND		0.00556	0.000955	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
trans-1,4-Dichloro-2-butene	ND		0.00556	0.00278	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
1,1-Dichloroethane	ND		0.00556	0.000922	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
1,2-Dichloroethane	ND		0.00556	0.00204	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
cis-1,2-Dichloroethene	ND		0.00556	0.000844	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
trans-1,2-Dichloroethene	ND		0.00556	0.00107	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
1,1-Dichloroethene	ND		0.00556	0.00233	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
1,2-Dichloropropane	ND		0.00556	0.000844	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
1,3-Dichloropropane	ND		0.00556	0.00111	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
2,2-Dichloropropane	ND		0.00556	0.00122	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
1,1-Dichloropropene	ND		0.00556	0.000922	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
cis-1,3-Dichloropropene	ND		0.00556	0.00133	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
trans-1,3-Dichloropropene	ND		0.00556	0.00122	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
Ethylbenzene	ND		0.00556	0.000678	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
Hexachlorobutadiene	ND	*+	0.00556	0.00278	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
2-Hexanone	ND		0.0278	0.00556	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
Iodomethane	ND		0.00556	0.00378	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
Isopropylbenzene	ND		0.00556	0.000755	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
4-Isopropyltoluene	ND		0.00556	0.00111	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
Methylene Chloride	ND		0.0167	0.0111	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
4-Methyl-2-pentanone (MIBK)	ND		0.0278	0.0149	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
Methyl tert-butyl ether	ND		0.00556	0.00111	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
Naphthalene	ND		0.00556	0.00333	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
N-Propylbenzene	ND		0.00556	0.00100	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1

Client Sample ID: SD-1
Date Collected: 06/10/25 14:15
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277472-1
Matrix: Solid
Percent Solids: 76.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.00556	0.00111	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
1,1,1,2-Tetrachloroethane	ND		0.00556	0.00122	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
1,1,2,2-Tetrachloroethane	ND		0.00556	0.00191	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
Tetrachloroethene	ND		0.00556	0.00333	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
Toluene	ND		0.00556	0.00111	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
1,2,3-Trichlorobenzene	ND		0.00556	0.00122	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
1,2,4-Trichlorobenzene	ND		0.00556	0.00223	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
1,1,1-Trichloroethane	ND		0.00556	0.00122	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
1,1,2-Trichloroethane	ND		0.00556	0.00179	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
Trichloroethene	ND		0.00556	0.00111	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
Trichlorofluoromethane	ND		0.00556	0.00269	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
1,2,3-Trichloropropane	ND		0.00556	0.00231	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00556	0.00209	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
1,2,4-Trimethylbenzene	ND		0.00556	0.00111	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
1,3,5-Trimethylbenzene	ND		0.00556	0.000922	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
Vinyl acetate	ND		0.0278	0.00709	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
Vinyl chloride	ND		0.00556	0.00242	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
o-Xylene	ND		0.00556	0.00333	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
m-Xylene & p-Xylene	ND		0.00556	0.00333	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
Xylenes, Total	ND		0.0111	0.00667	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
Isopropyl ether	ND		0.00556	0.00153	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
Hexane	ND		0.00556	0.00289	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
n-Heptane	ND		0.00556	0.00321	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1
Ethyl acetate	ND		0.0222	0.00556	mg/Kg	☼	06/19/25 11:10	06/19/25 22:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*81*		*50 - 150*	*06/19/25 11:10*	*06/19/25 22:05*	*1*
Dibromofluoromethane	*125*		*50 - 150*	*06/19/25 11:10*	*06/19/25 22:05*	*1*
Toluene-d8 (Surr)	*88*		*50 - 150*	*06/19/25 11:10*	*06/19/25 22:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*123*		*50 - 150*	*06/19/25 11:10*	*06/19/25 22:05*	*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	**0.00952**		0.00778	0.00778	mg/Kg	☼	06/23/25 12:03	06/25/25 02:38	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*63*		*10 - 150*	*06/23/25 12:03*	*06/25/25 02:38*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		2.16	0.544	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
2,4,5-Trichlorophenol	ND		2.16	0.662	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
2,4,6-Trichlorophenol	ND		2.16	0.688	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
2,4-Dichlorophenol	ND		2.16	0.459	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
2,4-Dimethylphenol	ND		2.16	0.616	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
2,4-Dinitrophenol	ND		6.49	1.90	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
2,4-Dinitrotoluene	ND		2.16	0.662	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
2-Chlorophenol	ND		2.16	0.793	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
2-Chloronaphthalene	ND		2.16	0.504	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
2-Methylnaphthalene	ND		2.16	0.714	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
2-Methylphenol	ND		2.16	0.524	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5

Client Sample ID: SD-1
Date Collected: 06/10/25 14:15
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277472-1
Matrix: Solid
Percent Solids: 76.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		2.16	0.459	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
2-Nitrophenol	ND		2.16	0.773	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
3 & 4 Methylphenol	ND		4.32	0.504	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
3,3'-Dichlorobenzidine	ND		2.16	0.721	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
3-Nitroaniline	ND	*+	2.16	0.511	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
4,6-Dinitro-2-methylphenol	ND		2.16	1.57	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
4-Bromophenyl phenyl ether	ND		2.16	0.688	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
4-Chloro-3-methylphenol	ND		2.16	0.531	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
4-Chloroaniline	ND		2.16	0.531	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
4-Chlorophenyl phenyl ether	ND		2.16	0.216	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
4-Nitroaniline	ND		2.16	0.740	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
Acenaphthene	ND		2.16	0.531	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
Acenaphthylene	ND		2.16	0.577	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
Acetophenone	ND		2.16	0.616	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
Anthracene	ND		2.16	0.511	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
Benzo[a]anthracene	**1.70**	**J**	2.16	0.577	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
Benzo[a]pyrene	**1.71**	**J**	2.16	0.308	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
Benzo[b]fluoranthene	**3.04**		2.16	0.649	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
Benzo[g,h,i]perylene	**0.966**	**J**	2.16	0.721	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
Benzo[k]fluoranthene	**1.25**	**J**	2.16	0.511	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
Bis(2-chloroethoxy)methane	ND		2.16	0.478	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
Bis(2-chloroethyl)ether	ND		2.16	0.708	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
Bis(2-ethylhexyl) phthalate	ND		2.16	0.531	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
Chrysene	**1.90**	**J**	2.16	0.694	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
Dibenz(a,h)anthracene	ND		2.16	0.832	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
Dibenzofuran	ND		2.16	0.544	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
Di-n-butyl phthalate	ND		2.16	0.636	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
Diethyl phthalate	ND		2.16	0.694	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
Dimethyl phthalate	ND		2.16	0.583	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
Di-n-octyl phthalate	ND		2.16	0.786	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
Fluoranthene	**3.96**		2.16	0.478	mg/Kg	☼	06/23/25 10:25	06/26/25 15:39	5
Fluorene	ND		2.16	0.590	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
Hexachlorobenzene	ND		2.16	0.655	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
Hexachlorobutadiene	ND		2.16	0.911	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
Hexachlorocyclopentadiene	ND		2.16	0.432	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
Hexachloroethane	ND		2.16	0.996	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
Indeno[1,2,3-cd]pyrene	**0.881**	**J**	2.16	0.871	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
Isophorone	ND		2.16	0.439	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
Naphthalene	ND		2.16	0.583	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
Nitrobenzene	ND		2.16	0.642	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
N-Nitrosodiphenylamine	ND		2.16	0.550	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
N-Nitrosodi-n-propylamine	ND		2.16	0.688	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
Pentachlorophenol	ND		4.32	1.05	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
Phenanthrene	**1.67**	**J**	2.16	0.531	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
Phenol	ND		2.16	0.583	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
Pyrene	**2.25**		2.16	0.511	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
Butyl benzyl phthalate	ND		2.16	1.05	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
bis (2-chloroisopropyl) ether	ND		2.16	0.826	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
Carbazole	ND		2.16	0.734	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5

Client Sample ID: SD-1
Date Collected: 06/10/25 14:15
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277472-1
Matrix: Solid
Percent Solids: 76.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		2.16	0.675	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
4-Nitrophenol	ND		2.16	1.97	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
Atrazine	ND		2.16	0.590	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
Benzaldehyde	ND		2.16	0.878	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5
Caprolactam	ND		2.16	0.550	mg/Kg	☼	06/23/25 10:25	06/25/25 12:48	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*88*		*10 - 150*	*06/23/25 10:25*	*06/25/25 12:48*	*5*
2-Fluorobiphenyl (Surr)	*65*		*27 - 127*	*06/23/25 10:25*	*06/25/25 12:48*	*5*
2-Fluorophenol (Surr)	*40*		*25 - 128*	*06/23/25 10:25*	*06/25/25 12:48*	*5*
Terphenyl-d14 (Surr)	*65*		*24 - 146*	*06/23/25 10:25*	*06/25/25 12:48*	*5*
Phenol-d5 (Surr)	*40*		*29 - 130*	*06/23/25 10:25*	*06/25/25 12:48*	*5*
Nitrobenzene-d5 (Surr)	*48*		*15 - 136*	*06/23/25 10:25*	*06/25/25 12:48*	*5*

Method: SW846 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	**2.56**		0.811	0.541	mg/Kg	☼	06/27/25 21:07	07/01/25 12:20	1

Method: SW846 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		2.61	0.862	mg/Kg	☼		06/17/25 19:11	1
Sulfate	**24.7**	**J**	26.1	9.53	mg/Kg	☼		06/17/25 19:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**0.111**	**J**	0.165	0.00192	mg/Kg	☼	06/19/25 10:18	06/25/25 00:37	5
Arsenic	**1.15**		0.397	0.0354	mg/Kg	☼	06/19/25 10:18	06/25/25 00:37	5
Chromium	**23.6**		0.662	0.136	mg/Kg	☼	06/19/25 10:18	06/25/25 00:37	5
Copper	**15.9**		0.331	0.0344	mg/Kg	☼	06/19/25 10:18	06/25/25 00:37	5
Cadmium	**0.169**	**J**	0.331	0.0108	mg/Kg	☼	06/19/25 10:18	06/25/25 00:37	5
Cobalt	**7.72**		0.496	0.0187	mg/Kg	☼	06/19/25 10:18	06/25/25 00:37	5
Barium	**47.8**		1.65	0.00936	mg/Kg	☼	06/19/25 10:18	06/25/25 00:37	5
Beryllium	**0.188**	**J**	0.331	0.0232	mg/Kg	☼	06/19/25 10:18	06/25/25 00:37	5
Manganese	**280**		6.62	0.407	mg/Kg	☼	06/19/25 10:18	06/25/25 17:24	50
Nickel	**6.53**		0.662	0.0173	mg/Kg	☼	06/19/25 10:18	06/25/25 00:37	5
Lead	**18.8**		0.331	0.0390	mg/Kg	☼	06/19/25 10:18	06/25/25 00:37	5
Antimony	**0.214**	**J**	0.662	0.151	mg/Kg	☼	06/19/25 10:18	06/25/25 00:37	5
Selenium	**0.211**	**J**	1.65	0.117	mg/Kg	☼	06/19/25 10:18	06/25/25 00:37	5
Thallium	**0.0385**	**J**	0.463	0.0279	mg/Kg	☼	06/19/25 10:18	06/25/25 00:37	5
Vanadium	**25.3**		0.662	0.0831	mg/Kg	☼	06/19/25 10:18	06/25/25 00:37	5
Zinc	**47.1**		1.65	1.37	mg/Kg	☼	06/19/25 10:18	06/25/25 00:37	5

Method: SW846 7473 - Mercury (AAS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.131	0.0549	mg/Kg	☼		06/23/25 08:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	**76.1**		0.01	0.01	%			06/14/25 08:26	1
Percent Moisture (EPA Moisture)	**23.9**		0.01	0.01	%			06/14/25 08:26	1

Client Sample Results

Client: S&ME Inc
Project/Site: Southside Park LF

Job ID: 400-277472-1

Client Sample ID: SD-1
Date Collected: 06/10/25 14:15
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277472-1
Matrix: Solid
Percent Solids: 76.1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		1.27	0.406	mg/Kg	☼		06/23/25 10:15	1

Client: S&ME Inc
Project/Site: Southside Park LF

Job ID: 400-277472-1

Client Sample ID: SD-2

Date Collected: 06/10/25 15:15
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277472-2

Matrix: Solid
Percent Solids: 71.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.0165**	**J**	0.0230	0.0111	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
Benzene	ND		0.00461	0.000617	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
Bromobenzene	ND		0.00461	0.00120	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
Chlorobromomethane	ND		0.00461	0.000746	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
Dichlorobromomethane	ND		0.00461	0.000847	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
Bromoform	ND		0.00461	0.00120	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
Bromomethane	ND		0.00461	0.00230	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
2-Butanone (MEK)	ND		0.0230	0.00553	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
n-Butylbenzene	ND		0.00461	0.000884	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
sec-Butylbenzene	ND		0.00461	0.000875	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
tert-Butylbenzene	ND		0.00461	0.00101	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
Carbon disulfide	ND		0.00461	0.00233	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
Carbon tetrachloride	ND		0.00461	0.00157	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
Chlorobenzene	ND		0.00461	0.00122	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
Chloroethane	ND		0.00461	0.00304	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
Chloroform	ND		0.00461	0.00125	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
Chloromethane	ND		0.00461	0.00204	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
2-Chlorotoluene	ND		0.00461	0.00153	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
4-Chlorotoluene	ND		0.00461	0.000903	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
Chlorodibromomethane	ND		0.00461	0.00111	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
1,2-Dibromo-3-Chloropropane	ND		0.00461	0.00304	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
Ethylene Dibromide	ND		0.00461	0.000921	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
Dibromomethane	ND		0.00461	0.000765	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
1,2-Dichlorobenzene	ND		0.00461	0.00146	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
1,3-Dichlorobenzene	ND		0.00461	0.000875	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
1,4-Dichlorobenzene	ND		0.00461	0.000792	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
trans-1,4-Dichloro-2-butene	ND		0.00461	0.00230	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
1,1-Dichloroethane	ND		0.00461	0.000765	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
1,2-Dichloroethane	ND		0.00461	0.00169	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
cis-1,2-Dichloroethene	ND		0.00461	0.000700	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
trans-1,2-Dichloroethene	ND		0.00461	0.000884	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
1,1-Dichloroethene	ND		0.00461	0.00193	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
1,2-Dichloropropane	ND		0.00461	0.000700	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
1,3-Dichloropropane	ND		0.00461	0.000921	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
2,2-Dichloropropane	ND		0.00461	0.00101	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
1,1-Dichloropropene	ND		0.00461	0.000765	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
cis-1,3-Dichloropropene	ND		0.00461	0.00111	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
trans-1,3-Dichloropropene	ND		0.00461	0.00101	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
Ethylbenzene	ND		0.00461	0.000562	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
Hexachlorobutadiene	ND	*+	0.00461	0.00230	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
2-Hexanone	ND		0.0230	0.00461	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
Iodomethane	ND		0.00461	0.00313	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
Isopropylbenzene	ND		0.00461	0.000626	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
4-Isopropyltoluene	ND		0.00461	0.000921	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
Methylene Chloride	ND		0.0138	0.00921	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
4-Methyl-2-pentanone (MIBK)	ND		0.0230	0.0124	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
Methyl tert-butyl ether	ND		0.00461	0.000921	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
Naphthalene	ND		0.00461	0.00276	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
N-Propylbenzene	ND		0.00461	0.000829	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1

Client Sample ID: SD-2
Date Collected: 06/10/25 15:15
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277472-2
Matrix: Solid
Percent Solids: 71.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.00461	0.000921	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
1,1,1,2-Tetrachloroethane	ND		0.00461	0.00101	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
1,1,2,2-Tetrachloroethane	ND		0.00461	0.00158	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
Tetrachloroethene	ND		0.00461	0.00276	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
Toluene	ND		0.00461	0.000921	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
1,2,3-Trichlorobenzene	ND		0.00461	0.00101	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
1,2,4-Trichlorobenzene	ND		0.00461	0.00185	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
1,1,1-Trichloroethane	ND		0.00461	0.00101	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
1,1,2-Trichloroethane	ND		0.00461	0.00148	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
Trichloroethene	ND		0.00461	0.000921	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
Trichlorofluoromethane	ND		0.00461	0.00223	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
1,2,3-Trichloropropane	ND		0.00461	0.00192	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00461	0.00173	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
1,2,4-Trimethylbenzene	ND		0.00461	0.000921	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
1,3,5-Trimethylbenzene	ND		0.00461	0.000765	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
Vinyl acetate	ND		0.0230	0.00588	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
Vinyl chloride	ND		0.00461	0.00201	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
o-Xylene	ND		0.00461	0.00276	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
m-Xylene & p-Xylene	ND		0.00461	0.00276	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
Xylenes, Total	ND		0.00921	0.00553	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
Isopropyl ether	ND		0.00461	0.00127	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
Hexane	ND		0.00461	0.00239	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
n-Heptane	ND		0.00461	0.00266	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1
Ethyl acetate	ND		0.0184	0.00461	mg/Kg	☼	06/19/25 11:10	06/19/25 22:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*82*		*50 - 150*	*06/19/25 11:10*	*06/19/25 22:32*	*1*
Dibromofluoromethane	*124*		*50 - 150*	*06/19/25 11:10*	*06/19/25 22:32*	*1*
Toluene-d8 (Surr)	*87*		*50 - 150*	*06/19/25 11:10*	*06/19/25 22:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*124*		*50 - 150*	*06/19/25 11:10*	*06/19/25 22:32*	*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	**0.0255**		0.00835	0.00835	mg/Kg	☼	06/23/25 12:03	06/25/25 03:00	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*65*		*10 - 150*	*06/23/25 12:03*	*06/25/25 03:00*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		2.24	0.562	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
2,4,5-Trichlorophenol	ND		2.24	0.684	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
2,4,6-Trichlorophenol	ND		2.24	0.711	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
2,4-Dichlorophenol	ND		2.24	0.474	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
2,4-Dimethylphenol	ND		2.24	0.637	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
2,4-Dinitrophenol	ND		6.71	1.96	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
2,4-Dinitrotoluene	ND		2.24	0.684	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
2-Chlorophenol	ND		2.24	0.820	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
2-Chloronaphthalene	ND		2.24	0.522	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
2-Methylnaphthalene	ND		2.24	0.738	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
2-Methylphenol	ND		2.24	0.542	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5

Client Sample ID: SD-2
Date Collected: 06/10/25 15:15
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277472-2
Matrix: Solid
Percent Solids: 71.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		2.24	0.474	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
2-Nitrophenol	ND		2.24	0.799	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
3 & 4 Methylphenol	ND		4.47	0.522	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
3,3'-Dichlorobenzidine	ND		2.24	0.745	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
3-Nitroaniline	ND	*+	2.24	0.528	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
4,6-Dinitro-2-methylphenol	ND		2.24	1.63	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
4-Bromophenyl phenyl ether	ND		2.24	0.711	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
4-Chloro-3-methylphenol	ND		2.24	0.549	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
4-Chloroaniline	ND		2.24	0.549	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
4-Chlorophenyl phenyl ether	ND		2.24	0.224	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
4-Nitroaniline	ND		2.24	0.765	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
Acenaphthene	ND		2.24	0.549	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
Acenaphthylene	ND		2.24	0.596	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
Acetophenone	ND		2.24	0.637	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
Anthracene	ND		2.24	0.528	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
Benzo[a]anthracene	ND		2.24	0.596	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
Benzo[a]pyrene	ND		2.24	0.318	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
Benzo[b]fluoranthene	ND		2.24	0.671	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
Benzo[g,h,i]perylene	ND		2.24	0.745	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
Benzo[k]fluoranthene	ND		2.24	0.528	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
Bis(2-chloroethoxy)methane	ND		2.24	0.494	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
Bis(2-chloroethyl)ether	ND		2.24	0.732	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
Bis(2-ethylhexyl) phthalate	ND		2.24	0.549	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
Chrysene	ND		2.24	0.718	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
Dibenz(a,h)anthracene	ND		2.24	0.860	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
Dibenzofuran	ND		2.24	0.562	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
Di-n-butyl phthalate	ND		2.24	0.657	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
Diethyl phthalate	ND		2.24	0.718	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
Dimethyl phthalate	ND		2.24	0.603	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
Di-n-octyl phthalate	ND		2.24	0.813	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
Fluoranthene	**0.554**	**J**	2.24	0.494	mg/Kg	☼	06/23/25 10:25	06/26/25 16:01	5
Fluorene	ND		2.24	0.610	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
Hexachlorobenzene	ND		2.24	0.677	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
Hexachlorobutadiene	ND		2.24	0.942	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
Hexachlorocyclopentadiene	ND		2.24	0.447	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
Hexachloroethane	ND		2.24	1.03	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
Indeno[1,2,3-cd]pyrene	ND		2.24	0.901	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
Isophorone	ND		2.24	0.454	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
Naphthalene	ND		2.24	0.603	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
Nitrobenzene	ND		2.24	0.664	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
N-Nitrosodiphenylamine	ND		2.24	0.569	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
N-Nitrosodi-n-propylamine	ND		2.24	0.711	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
Pentachlorophenol	ND		4.47	1.08	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
Phenanthrene	ND		2.24	0.549	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
Phenol	ND		2.24	0.603	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
Pyrene	ND		2.24	0.528	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
Butyl benzyl phthalate	ND		2.24	1.08	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
bis (2-chloroisopropyl) ether	ND		2.24	0.853	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
Carbazole	ND		2.24	0.759	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5

Client Sample ID: SD-2
Date Collected: 06/10/25 15:15
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277472-2
Matrix: Solid
Percent Solids: 71.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		2.24	0.698	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
4-Nitrophenol	ND		2.24	2.03	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
Atrazine	ND		2.24	0.610	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
Benzaldehyde	ND		2.24	0.908	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5
Caprolactam	ND		2.24	0.569	mg/Kg	☼	06/23/25 10:25	06/25/25 13:16	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*97*		*10 - 150*	*06/23/25 10:25*	*06/25/25 13:16*	*5*
2-Fluorobiphenyl (Surr)	*71*		*27 - 127*	*06/23/25 10:25*	*06/25/25 13:16*	*5*
2-Fluorophenol (Surr)	*41*		*25 - 128*	*06/23/25 10:25*	*06/25/25 13:16*	*5*
Terphenyl-d14 (Surr)	*66*		*24 - 146*	*06/23/25 10:25*	*06/25/25 13:16*	*5*
Phenol-d5 (Surr)	*40*		*29 - 130*	*06/23/25 10:25*	*06/25/25 13:16*	*5*
Nitrobenzene-d5 (Surr)	*49*		*15 - 136*	*06/23/25 10:25*	*06/25/25 13:16*	*5*

Method: SW846 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	**0.931**		0.867	0.578	mg/Kg	☼	06/27/25 21:07	07/01/25 13:20	1

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	☼		06/17/25 19:19	1
Sulfate	**22.2**	**J**	28.0	10.2	mg/Kg	☼		06/17/25 19:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**0.164**	**J**	0.176	0.00204	mg/Kg	☼	06/19/25 10:18	06/25/25 00:40	5
Arsenic	**1.91**		0.422	0.0377	mg/Kg	☼	06/19/25 10:18	06/25/25 00:40	5
Chromium	**27.9**		0.704	0.145	mg/Kg	☼	06/19/25 10:18	06/25/25 00:40	5
Copper	**19.1**		0.352	0.0366	mg/Kg	☼	06/19/25 10:18	06/25/25 00:40	5
Cadmium	**0.280**	**J**	0.352	0.0115	mg/Kg	☼	06/19/25 10:18	06/25/25 00:40	5
Cobalt	**8.80**		0.528	0.0199	mg/Kg	☼	06/19/25 10:18	06/25/25 00:40	5
Barium	**50.7**		1.76	0.00996	mg/Kg	☼	06/19/25 10:18	06/25/25 00:40	5
Beryllium	**0.186**	**J**	0.352	0.0247	mg/Kg	☼	06/19/25 10:18	06/25/25 00:40	5
Manganese	**425**		7.04	0.433	mg/Kg	☼	06/19/25 10:18	06/25/25 17:27	50
Nickel	**7.58**		0.704	0.0184	mg/Kg	☼	06/19/25 10:18	06/25/25 00:40	5
Lead	**24.4**		0.352	0.0415	mg/Kg	☼	06/19/25 10:18	06/25/25 00:40	5
Antimony	**0.269**	**J**	0.704	0.161	mg/Kg	☼	06/19/25 10:18	06/25/25 00:40	5
Selenium	**0.152**	**J**	1.76	0.125	mg/Kg	☼	06/19/25 10:18	06/25/25 00:40	5
Thallium	ND		0.493	0.0297	mg/Kg	☼	06/19/25 10:18	06/25/25 00:40	5
Vanadium	**31.2**		0.704	0.0884	mg/Kg	☼	06/19/25 10:18	06/25/25 00:40	5
Zinc	**85.0**		1.76	1.46	mg/Kg	☼	06/19/25 10:18	06/25/25 00:40	5

Method: SW846 7473 - Mercury (AAS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.140	0.0584	mg/Kg	☼		06/23/25 08:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	**71.5**		0.01	0.01	%			06/14/25 08:26	1
Percent Moisture (EPA Moisture)	**28.5**		0.01	0.01	%			06/14/25 08:26	1

Client Sample Results

Client: S&ME Inc
Project/Site: Southside Park LF

Job ID: 400-277472-1

Client Sample ID: SD-2

Date Collected: 06/10/25 15:15
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277472-2

Matrix: Solid
Percent Solids: 71.5

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		1.35	0.434	mg/Kg	☼		06/23/25 10:22	1

Client: S&ME Inc
Project/Site: Southside Park LF

Job ID: 400-277472-1

Client Sample ID: SD-3
Date Collected: 06/10/25 15:45
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277472-3
Matrix: Solid
Percent Solids: 79.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.0376**		0.0226	0.0109	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
Benzene	ND		0.00452	0.000606	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
Bromobenzene	ND		0.00452	0.00118	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
Chlorobromomethane	ND		0.00452	0.000733	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
Dichlorobromomethane	ND		0.00452	0.000832	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
Bromoform	ND		0.00452	0.00118	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
Bromomethane	ND		0.00452	0.00226	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
2-Butanone (MEK)	ND		0.0226	0.00543	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
n-Butylbenzene	ND		0.00452	0.000868	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
sec-Butylbenzene	ND		0.00452	0.000859	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
tert-Butylbenzene	ND		0.00452	0.000995	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
Carbon disulfide	ND		0.00452	0.00229	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
Carbon tetrachloride	ND		0.00452	0.00154	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
Chlorobenzene	ND		0.00452	0.00119	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
Chloroethane	ND		0.00452	0.00299	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
Chloroform	ND		0.00452	0.00123	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
Chloromethane	ND		0.00452	0.00200	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
2-Chlorotoluene	ND		0.00452	0.00150	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
4-Chlorotoluene	ND		0.00452	0.000887	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
Chlorodibromomethane	ND		0.00452	0.00109	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
1,2-Dibromo-3-Chloropropane	ND		0.00452	0.00299	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
Ethylene Dibromide	ND		0.00452	0.000905	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
Dibromomethane	ND		0.00452	0.000751	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
1,2-Dichlorobenzene	ND		0.00452	0.00144	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
1,3-Dichlorobenzene	ND		0.00452	0.000859	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
1,4-Dichlorobenzene	ND		0.00452	0.000778	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
trans-1,4-Dichloro-2-butene	ND		0.00452	0.00226	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
1,1-Dichloroethane	ND		0.00452	0.000751	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
1,2-Dichloroethane	ND		0.00452	0.00166	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
cis-1,2-Dichloroethene	ND		0.00452	0.000688	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
trans-1,2-Dichloroethene	ND		0.00452	0.000868	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
1,1-Dichloroethene	ND		0.00452	0.00190	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
1,2-Dichloropropane	ND		0.00452	0.000688	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
1,3-Dichloropropane	ND		0.00452	0.000905	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
2,2-Dichloropropane	ND		0.00452	0.000995	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
1,1-Dichloropropene	ND		0.00452	0.000751	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
cis-1,3-Dichloropropene	ND		0.00452	0.00109	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
trans-1,3-Dichloropropene	ND		0.00452	0.000995	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
Ethylbenzene	ND		0.00452	0.000552	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
Hexachlorobutadiene	ND	*+	0.00452	0.00226	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
2-Hexanone	ND		0.0226	0.00452	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
Iodomethane	ND		0.00452	0.00308	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
Isopropylbenzene	ND		0.00452	0.000615	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
4-Isopropyltoluene	ND		0.00452	0.000905	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
Methylene Chloride	ND		0.0136	0.00905	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
4-Methyl-2-pentanone (MIBK)	ND		0.0226	0.0121	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
Methyl tert-butyl ether	ND		0.00452	0.000905	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
Naphthalene	ND		0.00452	0.00271	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
N-Propylbenzene	ND		0.00452	0.000814	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1

Client Sample ID: SD-3

Date Collected: 06/10/25 15:45
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277472-3

Matrix: Solid
Percent Solids: 79.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.00452	0.000905	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
1,1,1,2-Tetrachloroethane	ND		0.00452	0.000995	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
1,1,2,2-Tetrachloroethane	ND		0.00452	0.00156	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
Tetrachloroethene	ND		0.00452	0.00271	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
Toluene	ND		0.00452	0.000905	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
1,2,3-Trichlorobenzene	ND		0.00452	0.000995	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
1,2,4-Trichlorobenzene	ND		0.00452	0.00182	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
1,1,1-Trichloroethane	ND		0.00452	0.000995	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
1,1,2-Trichloroethane	ND		0.00452	0.00146	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
Trichloroethene	ND		0.00452	0.000905	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
Trichlorofluoromethane	ND		0.00452	0.00219	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
1,2,3-Trichloropropane	ND		0.00452	0.00188	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00452	0.00170	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
1,2,4-Trimethylbenzene	ND		0.00452	0.000905	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
1,3,5-Trimethylbenzene	ND		0.00452	0.000751	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
Vinyl acetate	ND		0.0226	0.00577	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
Vinyl chloride	ND		0.00452	0.00197	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
o-Xylene	ND		0.00452	0.00271	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
m-Xylene & p-Xylene	ND		0.00452	0.00271	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
Xylenes, Total	ND		0.00905	0.00543	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
Isopropyl ether	ND		0.00452	0.00125	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
Hexane	ND		0.00452	0.00235	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
n-Heptane	ND		0.00452	0.00261	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1
Ethyl acetate	ND		0.0181	0.00452	mg/Kg	☼	06/20/25 12:06	06/20/25 17:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*50 - 150*	*06/20/25 12:06*	*06/20/25 17:09*	*1*
Dibromofluoromethane	*105*		*50 - 150*	*06/20/25 12:06*	*06/20/25 17:09*	*1*
Toluene-d8 (Surr)	*96*		*50 - 150*	*06/20/25 12:06*	*06/20/25 17:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*50 - 150*	*06/20/25 12:06*	*06/20/25 17:09*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**0.00910**		0.00750	0.00750	mg/Kg	☼	06/23/25 12:03	06/25/25 03:23	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*55*		*10 - 150*	*06/23/25 12:03*	*06/25/25 03:23*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		2.01	0.504	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
2,4,5-Trichlorophenol	ND		2.01	0.614	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
2,4,6-Trichlorophenol	ND		2.01	0.638	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
2,4-Dichlorophenol	ND		2.01	0.425	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
2,4-Dimethylphenol	ND		2.01	0.571	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
2,4-Dinitrophenol	ND		6.02	1.76	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
2,4-Dinitrotoluene	ND		2.01	0.614	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
2-Chlorophenol	ND		2.01	0.735	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
2-Chloronaphthalene	ND		2.01	0.468	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
2-Methylnaphthalene	ND		2.01	0.662	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
2-Methylphenol	ND		2.01	0.486	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5

Client Sample ID: SD-3
Date Collected: 06/10/25 15:45
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277472-3
Matrix: Solid
Percent Solids: 79.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		2.01	0.425	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
2-Nitrophenol	ND		2.01	0.717	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
3 & 4 Methylphenol	ND		4.01	0.468	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
3,3'-Dichlorobenzidine	ND		2.01	0.668	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
3-Nitroaniline	ND	*+	2.01	0.474	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
4,6-Dinitro-2-methylphenol	ND		2.01	1.46	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
4-Bromophenyl phenyl ether	ND		2.01	0.638	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
4-Chloro-3-methylphenol	ND		2.01	0.492	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
4-Chloroaniline	ND		2.01	0.492	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
4-Chlorophenyl phenyl ether	ND		2.01	0.201	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
4-Nitroaniline	ND		2.01	0.687	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
Acenaphthene	ND		2.01	0.492	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
Acenaphthylene	ND		2.01	0.535	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
Acetophenone	ND		2.01	0.571	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
Anthracene	ND		2.01	0.474	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
Benzo[a]anthracene	ND		2.01	0.535	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
Benzo[a]pyrene	ND		2.01	0.286	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
Benzo[b]fluoranthene	ND		2.01	0.602	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
Benzo[g,h,i]perylene	ND		2.01	0.668	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
Benzo[k]fluoranthene	ND		2.01	0.474	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
Bis(2-chloroethoxy)methane	ND		2.01	0.444	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
Bis(2-chloroethyl)ether	ND		2.01	0.656	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
Bis(2-ethylhexyl) phthalate	ND		2.01	0.492	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
Chrysene	ND		2.01	0.644	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
Dibenz(a,h)anthracene	ND		2.01	0.772	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
Dibenzofuran	ND		2.01	0.504	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
Di-n-butyl phthalate	ND		2.01	0.589	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
Diethyl phthalate	ND		2.01	0.644	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
Dimethyl phthalate	ND		2.01	0.541	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
Di-n-octyl phthalate	ND		2.01	0.729	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
Fluoranthene	ND		2.01	0.444	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
Fluorene	ND		2.01	0.547	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
Hexachlorobenzene	ND		2.01	0.608	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
Hexachlorobutadiene	ND		2.01	0.845	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
Hexachlorocyclopentadiene	ND		2.01	0.401	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
Hexachloroethane	ND		2.01	0.924	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
Indeno[1,2,3-cd]pyrene	ND		2.01	0.808	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
Isophorone	ND		2.01	0.407	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
Naphthalene	ND		2.01	0.541	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
Nitrobenzene	ND		2.01	0.595	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
N-Nitrosodiphenylamine	ND		2.01	0.510	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
N-Nitrosodi-n-propylamine	ND		2.01	0.638	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
Pentachlorophenol	ND		4.01	0.972	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
Phenanthrene	ND		2.01	0.492	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
Phenol	ND		2.01	0.541	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
Pyrene	ND		2.01	0.474	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
Butyl benzyl phthalate	ND		2.01	0.972	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
bis (2-chloroisopropyl) ether	ND		2.01	0.766	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
Carbazole	ND		2.01	0.681	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5

Client Sample ID: SD-3
Date Collected: 06/10/25 15:45
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277472-3
Matrix: Solid
Percent Solids: 79.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		2.01	0.626	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
4-Nitrophenol	ND		2.01	1.82	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
Atrazine	ND		2.01	0.547	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
Benzaldehyde	ND		2.01	0.814	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5
Caprolactam	ND		2.01	0.510	mg/Kg	☼	06/23/25 10:25	06/25/25 13:45	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*92*		*10 - 150*	*06/23/25 10:25*	*06/25/25 13:45*	*5*
2-Fluorobiphenyl (Surr)	*68*		*27 - 127*	*06/23/25 10:25*	*06/25/25 13:45*	*5*
2-Fluorophenol (Surr)	*42*		*25 - 128*	*06/23/25 10:25*	*06/25/25 13:45*	*5*
Terphenyl-d14 (Surr)	*68*		*24 - 146*	*06/23/25 10:25*	*06/25/25 13:45*	*5*
Phenol-d5 (Surr)	*39*		*29 - 130*	*06/23/25 10:25*	*06/25/25 13:45*	*5*
Nitrobenzene-d5 (Surr)	*52*		*15 - 136*	*06/23/25 10:25*	*06/25/25 13:45*	*5*

Method: SW846 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND		0.761	0.507	mg/Kg	☼	06/27/25 21:07	07/01/25 13:45	1

Method: SW846 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		2.50	0.825	mg/Kg	☼		06/17/25 19:28	1
Sulfate	**13.5**	**J**	25.0	9.13	mg/Kg	☼		06/17/25 19:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**0.0877**	**J**	0.158	0.00184	mg/Kg	☼	06/19/25 10:18	06/25/25 01:02	5
Arsenic	**1.02**		0.380	0.0339	mg/Kg	☼	06/19/25 10:18	06/25/25 01:02	5
Chromium	**14.4**		0.633	0.130	mg/Kg	☼	06/19/25 10:18	06/25/25 01:02	5
Copper	**26.4**		0.317	0.0329	mg/Kg	☼	06/19/25 10:18	06/25/25 01:02	5
Cadmium	**0.119**	**J**	0.317	0.0103	mg/Kg	☼	06/19/25 10:18	06/25/25 01:02	5
Cobalt	**10.6**		0.475	0.0179	mg/Kg	☼	06/19/25 10:18	06/25/25 01:02	5
Barium	**55.0**		1.58	0.00896	mg/Kg	☼	06/19/25 10:18	06/25/25 01:02	5
Beryllium	**0.140**	**J**	0.317	0.0222	mg/Kg	☼	06/19/25 10:18	06/25/25 01:02	5
Manganese	**259**		6.33	0.390	mg/Kg	☼	06/19/25 10:18	06/25/25 17:29	50
Nickel	**9.45**		0.633	0.0166	mg/Kg	☼	06/19/25 10:18	06/25/25 01:02	5
Lead	**10.4**		0.317	0.0374	mg/Kg	☼	06/19/25 10:18	06/25/25 01:02	5
Antimony	ND		0.633	0.145	mg/Kg	☼	06/19/25 10:18	06/25/25 01:02	5
Selenium	**0.184**	**J**	1.58	0.112	mg/Kg	☼	06/19/25 10:18	06/25/25 01:02	5
Thallium	ND		0.443	0.0267	mg/Kg	☼	06/19/25 10:18	06/25/25 01:02	5
Vanadium	**25.5**		0.633	0.0795	mg/Kg	☼	06/19/25 10:18	06/25/25 01:02	5
Zinc	**44.9**		1.58	1.31	mg/Kg	☼	06/19/25 10:18	06/25/25 01:02	5

Method: SW846 7473 - Mercury (AAS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.126	0.0526	mg/Kg	☼		06/23/25 08:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	**79.5**		0.01	0.01	%			06/14/25 08:26	1
Percent Moisture (EPA Moisture)	**20.5**		0.01	0.01	%			06/14/25 08:26	1

Client: S&ME Inc
Project/Site: Southside Park LF

Job ID: 400-277472-1

Client Sample ID: SD-3
Date Collected: 06/10/25 15:45
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277472-3
Matrix: Solid
Percent Solids: 79.5

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		1.24	0.397	mg/Kg	☼		06/23/25 10:25	1

Client: S&ME Inc
Project/Site: Southside Park LF

Job ID: 400-277472-1

Client Sample ID: SD-4
Date Collected: 06/10/25 16:15
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277472-4
Matrix: Solid
Percent Solids: 67.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.0209**		0.0180	0.00865	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
Benzene	ND		0.00360	0.000483	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
Bromobenzene	ND		0.00360	0.000937	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
Chlorobromomethane	ND		0.00360	0.000584	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
Dichlorobromomethane	ND		0.00360	0.000663	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
Bromoform	ND		0.00360	0.000937	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
Bromomethane	ND		0.00360	0.00180	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
2-Butanone (MEK)	**0.00440**	**J**	0.0180	0.00432	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
n-Butylbenzene	ND		0.00360	0.000692	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
sec-Butylbenzene	ND		0.00360	0.000684	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
tert-Butylbenzene	ND		0.00360	0.000793	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
Carbon disulfide	ND		0.00360	0.00182	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
Carbon tetrachloride	ND		0.00360	0.00122	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
Chlorobenzene	ND		0.00360	0.000951	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
Chloroethane	ND		0.00360	0.00238	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
Chloroform	ND		0.00360	0.000980	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
Chloromethane	ND		0.00360	0.00159	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
2-Chlorotoluene	ND		0.00360	0.00120	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
4-Chlorotoluene	ND		0.00360	0.000706	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
Chlorodibromomethane	ND		0.00360	0.000865	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
1,2-Dibromo-3-Chloropropane	ND		0.00360	0.00238	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
Ethylene Dibromide	ND		0.00360	0.000720	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
Dibromomethane	ND		0.00360	0.000598	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
1,2-Dichlorobenzene	ND		0.00360	0.00115	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
1,3-Dichlorobenzene	ND		0.00360	0.000684	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
1,4-Dichlorobenzene	ND		0.00360	0.000620	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
trans-1,4-Dichloro-2-butene	ND		0.00360	0.00180	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
1,1-Dichloroethane	ND		0.00360	0.000598	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
1,2-Dichloroethane	ND		0.00360	0.00133	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
cis-1,2-Dichloroethene	ND		0.00360	0.000548	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
trans-1,2-Dichloroethene	ND		0.00360	0.000692	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
1,1-Dichloroethene	ND		0.00360	0.00151	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
1,2-Dichloropropane	ND		0.00360	0.000548	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
1,3-Dichloropropane	ND		0.00360	0.000720	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
2,2-Dichloropropane	ND		0.00360	0.000793	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
1,1-Dichloropropene	ND		0.00360	0.000598	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
cis-1,3-Dichloropropene	ND		0.00360	0.000865	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
trans-1,3-Dichloropropene	ND		0.00360	0.000793	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
Ethylbenzene	ND		0.00360	0.000439	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
Hexachlorobutadiene	ND	*+	0.00360	0.00180	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
2-Hexanone	ND		0.0180	0.00360	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
Iodomethane	ND		0.00360	0.00245	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
Isopropylbenzene	ND		0.00360	0.000490	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
4-Isopropyltoluene	ND		0.00360	0.000720	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
Methylene Chloride	ND		0.0108	0.00720	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
4-Methyl-2-pentanone (MIBK)	ND		0.0180	0.00968	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
Methyl tert-butyl ether	ND		0.00360	0.000720	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
Naphthalene	ND		0.00360	0.00216	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
N-Propylbenzene	ND		0.00360	0.000648	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1

Client Sample ID: SD-4
Date Collected: 06/10/25 16:15
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277472-4
Matrix: Solid
Percent Solids: 67.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.00360	0.000720	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
1,1,1,2-Tetrachloroethane	ND		0.00360	0.000793	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
1,1,2,2-Tetrachloroethane	ND		0.00360	0.00124	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
Tetrachloroethene	ND		0.00360	0.00216	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
Toluene	ND		0.00360	0.000720	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
1,2,3-Trichlorobenzene	ND		0.00360	0.000793	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
1,2,4-Trichlorobenzene	ND		0.00360	0.00145	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
1,1,1-Trichloroethane	ND		0.00360	0.000793	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
1,1,2-Trichloroethane	ND		0.00360	0.00116	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
Trichloroethene	ND		0.00360	0.000720	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
Trichlorofluoromethane	ND		0.00360	0.00174	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
1,2,3-Trichloropropane	ND		0.00360	0.00150	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00360	0.00135	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
1,2,4-Trimethylbenzene	ND		0.00360	0.000720	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
1,3,5-Trimethylbenzene	ND		0.00360	0.000598	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
Vinyl acetate	ND		0.0180	0.00460	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
Vinyl chloride	ND		0.00360	0.00157	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
o-Xylene	ND		0.00360	0.00216	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
m-Xylene & p-Xylene	ND		0.00360	0.00216	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
Xylenes, Total	ND		0.00720	0.00432	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
Isopropyl ether	ND		0.00360	0.000994	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
Hexane	ND		0.00360	0.00187	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
n-Heptane	ND		0.00360	0.00208	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1
Ethyl acetate	ND		0.0144	0.00360	mg/Kg	☼	06/20/25 12:06	06/20/25 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*50 - 150*	*06/20/25 12:06*	*06/20/25 17:34*	*1*
Dibromofluoromethane	*107*		*50 - 150*	*06/20/25 12:06*	*06/20/25 17:34*	*1*
Toluene-d8 (Surr)	*98*		*50 - 150*	*06/20/25 12:06*	*06/20/25 17:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*50 - 150*	*06/20/25 12:06*	*06/20/25 17:34*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**0.0370**		0.00882	0.00882	mg/Kg	☼	06/23/25 12:03	06/25/25 03:45	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*64*		*10 - 150*	*06/23/25 12:03*	*06/25/25 03:45*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		2.35	0.592	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
2,4,5-Trichlorophenol	ND		2.35	0.720	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
2,4,6-Trichlorophenol	ND		2.35	0.748	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
2,4-Dichlorophenol	ND		2.35	0.499	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
2,4-Dimethylphenol	ND		2.35	0.670	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
2,4-Dinitrophenol	ND		7.06	2.07	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
2,4-Dinitrotoluene	ND		2.35	0.720	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
2-Chlorophenol	ND		2.35	0.862	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
2-Chloronaphthalene	ND		2.35	0.549	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
2-Methylnaphthalene	ND		2.35	0.777	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
2-Methylphenol	ND		2.35	0.570	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5

Client Sample ID: SD-4
Date Collected: 06/10/25 16:15
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277472-4
Matrix: Solid
Percent Solids: 67.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		2.35	0.499	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
2-Nitrophenol	ND		2.35	0.841	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
3 & 4 Methylphenol	ND		4.70	0.549	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
3,3'-Dichlorobenzidine	ND		2.35	0.784	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
3-Nitroaniline	ND	*+	2.35	0.556	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
4,6-Dinitro-2-methylphenol	ND		2.35	1.71	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
4-Bromophenyl phenyl ether	ND		2.35	0.748	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
4-Chloro-3-methylphenol	ND		2.35	0.577	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
4-Chloroaniline	ND		2.35	0.577	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
4-Chlorophenyl phenyl ether	ND		2.35	0.235	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
4-Nitroaniline	ND		2.35	0.805	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
Acenaphthene	ND		2.35	0.577	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
Acenaphthylene	ND		2.35	0.627	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
Acetophenone	ND		2.35	0.670	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
Anthracene	ND		2.35	0.556	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
Benzo[a]anthracene	ND		2.35	0.627	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
Benzo[a]pyrene	ND		2.35	0.335	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
Benzo[b]fluoranthene	ND		2.35	0.706	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
Benzo[g,h,i]perylene	ND		2.35	0.784	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
Benzo[k]fluoranthene	ND		2.35	0.556	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
Bis(2-chloroethoxy)methane	ND		2.35	0.520	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
Bis(2-chloroethyl)ether	ND		2.35	0.770	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
Bis(2-ethylhexyl) phthalate	ND		2.35	0.577	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
Chrysene	ND		2.35	0.755	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
Dibenz(a,h)anthracene	ND		2.35	0.905	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
Dibenzofuran	ND		2.35	0.592	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
Di-n-butyl phthalate	ND		2.35	0.691	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
Diethyl phthalate	ND		2.35	0.755	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
Dimethyl phthalate	ND		2.35	0.634	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
Di-n-octyl phthalate	ND		2.35	0.855	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
Fluoranthene	ND		2.35	0.520	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
Fluorene	ND		2.35	0.641	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
Hexachlorobenzene	ND		2.35	0.713	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
Hexachlorobutadiene	ND		2.35	0.991	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
Hexachlorocyclopentadiene	ND		2.35	0.470	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
Hexachloroethane	ND		2.35	1.08	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
Indeno[1,2,3-cd]pyrene	ND		2.35	0.948	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
Isophorone	ND		2.35	0.478	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
Naphthalene	ND		2.35	0.634	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
Nitrobenzene	ND		2.35	0.698	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
N-Nitrosodiphenylamine	ND		2.35	0.599	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
N-Nitrosodi-n-propylamine	ND		2.35	0.748	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
Pentachlorophenol	ND		4.70	1.14	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
Phenanthrene	ND		2.35	0.577	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
Phenol	ND		2.35	0.634	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
Pyrene	ND		2.35	0.556	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
Butyl benzyl phthalate	ND		2.35	1.14	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
bis (2-chloroisopropyl) ether	ND		2.35	0.898	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
Carbazole	ND		2.35	0.798	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5

Client Sample ID: SD-4
Date Collected: 06/10/25 16:15
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277472-4
Matrix: Solid
Percent Solids: 67.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		2.35	0.734	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
4-Nitrophenol	ND		2.35	2.14	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
Atrazine	ND		2.35	0.641	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
Benzaldehyde	ND		2.35	0.955	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5
Caprolactam	ND		2.35	0.599	mg/Kg	☼	06/23/25 10:25	06/25/25 14:13	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*95*		*10 - 150*	*06/23/25 10:25*	*06/25/25 14:13*	*5*
2-Fluorobiphenyl (Surr)	*66*		*27 - 127*	*06/23/25 10:25*	*06/25/25 14:13*	*5*
2-Fluorophenol (Surr)	*41*		*25 - 128*	*06/23/25 10:25*	*06/25/25 14:13*	*5*
Terphenyl-d14 (Surr)	*67*		*24 - 146*	*06/23/25 10:25*	*06/25/25 14:13*	*5*
Phenol-d5 (Surr)	*38*		*29 - 130*	*06/23/25 10:25*	*06/25/25 14:13*	*5*
Nitrobenzene-d5 (Surr)	*45*		*15 - 136*	*06/23/25 10:25*	*06/25/25 14:13*	*5*

Method: SW846 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	**1.64**		0.906	0.604	mg/Kg	☼	06/27/25 21:07	07/01/25 14:02	1

Method: SW846 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		2.93	0.967	mg/Kg	☼		06/17/25 19:36	1
Sulfate	**64.1**		29.3	10.7	mg/Kg	☼		06/17/25 19:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**0.0283**	**J**	0.186	0.00216	mg/Kg	☼	06/19/25 10:18	06/25/25 01:04	5
Arsenic	**0.926**		0.447	0.0399	mg/Kg	☼	06/19/25 10:18	06/25/25 01:04	5
Chromium	**36.8**		0.745	0.154	mg/Kg	☼	06/19/25 10:18	06/25/25 01:04	5
Copper	**14.1**		0.373	0.0388	mg/Kg	☼	06/19/25 10:18	06/25/25 01:04	5
Cadmium	**0.101**	**J**	0.373	0.0121	mg/Kg	☼	06/19/25 10:18	06/25/25 01:04	5
Cobalt	**11.7**		0.559	0.0211	mg/Kg	☼	06/19/25 10:18	06/25/25 01:04	5
Barium	**45.4**		1.86	0.0105	mg/Kg	☼	06/19/25 10:18	06/25/25 01:04	5
Beryllium	**0.199**	**J**	0.373	0.0261	mg/Kg	☼	06/19/25 10:18	06/25/25 01:04	5
Manganese	**475**		7.45	0.458	mg/Kg	☼	06/19/25 10:18	06/30/25 13:55	50
Nickel	**6.25**		0.745	0.0195	mg/Kg	☼	06/19/25 10:18	06/25/25 01:04	5
Lead	**31.2**		0.373	0.0440	mg/Kg	☼	06/19/25 10:18	06/25/25 01:04	5
Antimony	**0.282**	**J**	0.745	0.170	mg/Kg	☼	06/19/25 10:18	06/25/25 01:04	5
Selenium	**0.162**	**J**	1.86	0.132	mg/Kg	☼	06/19/25 10:18	06/25/25 01:04	5
Thallium	ND		0.522	0.0314	mg/Kg	☼	06/19/25 10:18	06/25/25 01:04	5
Vanadium	**39.9**		0.745	0.0935	mg/Kg	☼	06/19/25 10:18	06/25/25 01:04	5
Zinc	**42.4**		1.86	1.55	mg/Kg	☼	06/19/25 10:18	06/25/25 01:04	5

Method: SW846 7473 - Mercury (AAS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.147	0.0616	mg/Kg	☼		06/23/25 09:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	**67.9**		0.01	0.01	%			06/14/25 08:26	1
Percent Moisture (EPA Moisture)	**32.1**		0.01	0.01	%			06/14/25 08:26	1

Client Sample Results

Client: S&ME Inc
Project/Site: Southside Park LF

Job ID: 400-277472-1

Client Sample ID: SD-4
Date Collected: 06/10/25 16:15
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277472-4
Matrix: Solid
Percent Solids: 67.9

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	0.542	J	1.43	0.457	mg/Kg	☼		06/23/25 10:28	1

Client: S&ME Inc
Project/Site: Southside Park LF

Job ID: 400-277472-1

Client Sample ID: SD-5
Date Collected: 06/10/25 16:40
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277472-5
Matrix: Solid
Percent Solids: 71.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.0799**		0.0406	0.0195	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
Benzene	ND		0.00812	0.00109	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
Bromobenzene	ND		0.00812	0.00211	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
Chlorobromomethane	ND		0.00812	0.00132	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
Dichlorobromomethane	ND		0.00812	0.00149	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
Bromoform	ND		0.00812	0.00211	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
Bromomethane	ND		0.00812	0.00406	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
2-Butanone (MEK)	ND		0.0406	0.00975	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
n-Butylbenzene	ND		0.00812	0.00156	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
sec-Butylbenzene	ND		0.00812	0.00154	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
tert-Butylbenzene	ND		0.00812	0.00179	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
Carbon disulfide	ND		0.00812	0.00411	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
Carbon tetrachloride	ND		0.00812	0.00276	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
Chlorobenzene	ND		0.00812	0.00214	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
Chloroethane	ND		0.00812	0.00536	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
Chloroform	ND		0.00812	0.00221	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
Chloromethane	ND		0.00812	0.00359	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
2-Chlorotoluene	ND		0.00812	0.00270	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
4-Chlorotoluene	ND		0.00812	0.00159	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
Chlorodibromomethane	ND		0.00812	0.00195	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
1,2-Dibromo-3-Chloropropane	ND		0.00812	0.00536	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
Ethylene Dibromide	ND		0.00812	0.00162	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
Dibromomethane	ND		0.00812	0.00135	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
1,2-Dichlorobenzene	ND		0.00812	0.00258	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
1,3-Dichlorobenzene	ND		0.00812	0.00154	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
1,4-Dichlorobenzene	ND		0.00812	0.00140	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
trans-1,4-Dichloro-2-butene	ND		0.00812	0.00406	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
1,1-Dichloroethane	ND		0.00812	0.00135	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
1,2-Dichloroethane	ND		0.00812	0.00299	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
cis-1,2-Dichloroethene	ND		0.00812	0.00123	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
trans-1,2-Dichloroethene	ND		0.00812	0.00156	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
1,1-Dichloroethene	ND		0.00812	0.00341	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
1,2-Dichloropropane	ND		0.00812	0.00123	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
1,3-Dichloropropane	ND		0.00812	0.00162	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
2,2-Dichloropropane	ND		0.00812	0.00179	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
1,1-Dichloropropene	ND		0.00812	0.00135	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
cis-1,3-Dichloropropene	ND		0.00812	0.00195	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
trans-1,3-Dichloropropene	ND		0.00812	0.00179	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
Ethylbenzene	ND		0.00812	0.000991	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
Hexachlorobutadiene	ND	*+	0.00812	0.00406	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
2-Hexanone	ND		0.0406	0.00812	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
Iodomethane	ND		0.00812	0.00552	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
Isopropylbenzene	ND		0.00812	0.00110	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
4-Isopropyltoluene	ND		0.00812	0.00162	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
Methylene Chloride	ND		0.0244	0.0162	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
4-Methyl-2-pentanone (MIBK)	ND		0.0406	0.0218	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
Methyl tert-butyl ether	ND		0.00812	0.00162	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
Naphthalene	ND		0.00812	0.00487	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
N-Propylbenzene	ND		0.00812	0.00146	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1

Client Sample ID: SD-5

Date Collected: 06/10/25 16:40
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277472-5

Matrix: Solid
Percent Solids: 71.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.00812	0.00162	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
1,1,1,2-Tetrachloroethane	ND		0.00812	0.00179	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
1,1,2,2-Tetrachloroethane	ND		0.00812	0.00279	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
Tetrachloroethene	ND		0.00812	0.00487	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
Toluene	ND		0.00812	0.00162	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
1,2,3-Trichlorobenzene	ND		0.00812	0.00179	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
1,2,4-Trichlorobenzene	ND		0.00812	0.00326	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
1,1,1-Trichloroethane	ND		0.00812	0.00179	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
1,1,2-Trichloroethane	ND		0.00812	0.00262	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
Trichloroethene	ND		0.00812	0.00162	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
Trichlorofluoromethane	ND		0.00812	0.00393	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
1,2,3-Trichloropropane	ND		0.00812	0.00338	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00812	0.00305	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
1,2,4-Trimethylbenzene	ND		0.00812	0.00162	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
1,3,5-Trimethylbenzene	ND		0.00812	0.00135	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
Vinyl acetate	ND		0.0406	0.0104	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
Vinyl chloride	ND		0.00812	0.00354	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
o-Xylene	ND		0.00812	0.00487	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
m-Xylene & p-Xylene	ND		0.00812	0.00487	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
Xylenes, Total	ND		0.0162	0.00975	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
Isopropyl ether	ND		0.00812	0.00224	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
Hexane	ND		0.00812	0.00422	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
n-Heptane	ND		0.00812	0.00469	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1
Ethyl acetate	ND		0.0325	0.00812	mg/Kg	☼	06/20/25 12:06	06/20/25 17:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*50 - 150*	*06/20/25 12:06*	*06/20/25 17:58*	*1*
Dibromofluoromethane	*108*		*50 - 150*	*06/20/25 12:06*	*06/20/25 17:58*	*1*
Toluene-d8 (Surr)	*96*		*50 - 150*	*06/20/25 12:06*	*06/20/25 17:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*50 - 150*	*06/20/25 12:06*	*06/20/25 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		0.00809	0.00809	mg/Kg	☼	06/23/25 12:03	06/25/25 04:07	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*63*		*10 - 150*	*06/23/25 12:03*	*06/25/25 04:07*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		2.23	0.561	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
2,4,5-Trichlorophenol	ND		2.23	0.683	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
2,4,6-Trichlorophenol	ND		2.23	0.710	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
2,4-Dichlorophenol	ND		2.23	0.473	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
2,4-Dimethylphenol	ND		2.23	0.636	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
2,4-Dinitrophenol	ND		6.69	1.96	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
2,4-Dinitrotoluene	ND		2.23	0.683	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
2-Chlorophenol	ND		2.23	0.818	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
2-Chloronaphthalene	ND		2.23	0.521	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
2-Methylnaphthalene	ND		2.23	0.737	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
2-Methylphenol	ND		2.23	0.541	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5

Client Sample ID: SD-5
Date Collected: 06/10/25 16:40
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277472-5
Matrix: Solid
Percent Solids: 71.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		2.23	0.473	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
2-Nitrophenol	ND		2.23	0.798	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
3 & 4 Methylphenol	ND		4.46	0.521	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
3,3'-Dichlorobenzidine	ND		2.23	0.744	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
3-Nitroaniline	ND	*+	2.23	0.527	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
4,6-Dinitro-2-methylphenol	ND		2.23	1.62	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
4-Bromophenyl phenyl ether	ND		2.23	0.710	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
4-Chloro-3-methylphenol	ND		2.23	0.548	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
4-Chloroaniline	ND		2.23	0.548	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
4-Chlorophenyl phenyl ether	ND		2.23	0.223	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
4-Nitroaniline	ND		2.23	0.764	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
Acenaphthene	ND		2.23	0.548	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
Acenaphthylene	ND		2.23	0.595	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
Acetophenone	ND		2.23	0.636	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
Anthracene	ND		2.23	0.527	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
Benzo[a]anthracene	ND		2.23	0.595	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
Benzo[a]pyrene	ND		2.23	0.318	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
Benzo[b]fluoranthene	ND		2.23	0.669	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
Benzo[g,h,i]perylene	ND		2.23	0.744	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
Benzo[k]fluoranthene	ND		2.23	0.527	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
Bis(2-chloroethoxy)methane	ND		2.23	0.494	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
Bis(2-chloroethyl)ether	ND		2.23	0.730	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
Bis(2-ethylhexyl) phthalate	ND		2.23	0.548	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
Chrysene	ND		2.23	0.717	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
Dibenz(a,h)anthracene	ND		2.23	0.859	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
Dibenzofuran	ND		2.23	0.561	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
Di-n-butyl phthalate	ND		2.23	0.656	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
Diethyl phthalate	ND		2.23	0.717	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
Dimethyl phthalate	ND		2.23	0.602	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
Di-n-octyl phthalate	ND		2.23	0.811	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
Fluoranthene	ND		2.23	0.494	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
Fluorene	ND		2.23	0.609	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
Hexachlorobenzene	ND		2.23	0.676	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
Hexachlorobutadiene	ND		2.23	0.940	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
Hexachlorocyclopentadiene	ND		2.23	0.446	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
Hexachloroethane	ND		2.23	1.03	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
Indeno[1,2,3-cd]pyrene	ND		2.23	0.899	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
Isophorone	ND		2.23	0.453	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
Naphthalene	ND		2.23	0.602	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
Nitrobenzene	ND		2.23	0.663	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
N-Nitrosodiphenylamine	ND		2.23	0.568	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
N-Nitrosodi-n-propylamine	ND		2.23	0.710	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
Pentachlorophenol	ND		4.46	1.08	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
Phenanthrene	ND		2.23	0.548	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
Phenol	ND		2.23	0.602	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
Pyrene	ND		2.23	0.527	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
Butyl benzyl phthalate	ND		2.23	1.08	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
bis (2-chloroisopropyl) ether	ND		2.23	0.852	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
Carbazole	ND		2.23	0.757	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5

Client Sample ID: SD-5

Date Collected: 06/10/25 16:40
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277472-5

Matrix: Solid
Percent Solids: 71.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		2.23	0.696	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
4-Nitrophenol	ND		2.23	2.03	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
Atrazine	ND		2.23	0.609	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
Benzaldehyde	ND		2.23	0.906	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5
Caprolactam	ND		2.23	0.568	mg/Kg	☼	06/23/25 10:25	06/25/25 14:42	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*81*		*10 - 150*	*06/23/25 10:25*	*06/25/25 14:42*	*5*
2-Fluorobiphenyl (Surr)	*57*		*27 - 127*	*06/23/25 10:25*	*06/25/25 14:42*	*5*
2-Fluorophenol (Surr)	*36*		*25 - 128*	*06/23/25 10:25*	*06/25/25 14:42*	*5*
Terphenyl-d14 (Surr)	*66*		*24 - 146*	*06/23/25 10:25*	*06/25/25 14:42*	*5*
Phenol-d5 (Surr)	*32*		*29 - 130*	*06/23/25 10:25*	*06/25/25 14:42*	*5*
Nitrobenzene-d5 (Surr)	*42*		*15 - 136*	*06/23/25 10:25*	*06/25/25 14:42*	*5*

Method: SW846 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	**1.15**		0.844	0.563	mg/Kg	☼	06/27/25 21:07	07/01/25 14:36	1

Method: SW846 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		2.78	0.919	mg/Kg	☼		06/17/25 19:45	1
Sulfate	**10.7**	**J**	27.8	10.2	mg/Kg	☼		06/17/25 19:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**0.0192**	**J**	0.182	0.00211	mg/Kg	☼	06/19/25 10:18	06/25/25 01:07	5
Arsenic	**1.40**		0.436	0.0389	mg/Kg	☼	06/19/25 10:18	06/25/25 01:07	5
Chromium	**38.1**		0.727	0.150	mg/Kg	☼	06/19/25 10:18	06/25/25 01:07	5
Copper	**35.5**		0.364	0.0378	mg/Kg	☼	06/19/25 10:18	06/25/25 01:07	5
Cadmium	**0.168**	**J**	0.364	0.0119	mg/Kg	☼	06/19/25 10:18	06/25/25 01:07	5
Cobalt	**23.7**		0.545	0.0206	mg/Kg	☼	06/19/25 10:18	06/25/25 01:07	5
Barium	**90.0**		1.82	0.0103	mg/Kg	☼	06/19/25 10:18	06/25/25 01:07	5
Beryllium	**0.504**		0.364	0.0255	mg/Kg	☼	06/19/25 10:18	06/25/25 01:07	5
Manganese	**559**		7.27	0.447	mg/Kg	☼	06/19/25 10:18	06/25/25 17:52	50
Nickel	**8.29**		0.727	0.0190	mg/Kg	☼	06/19/25 10:18	06/25/25 01:07	5
Lead	**26.1**		0.364	0.0429	mg/Kg	☼	06/19/25 10:18	06/25/25 01:07	5
Antimony	ND		0.727	0.166	mg/Kg	☼	06/19/25 10:18	06/25/25 01:07	5
Selenium	**0.310**	**J**	1.82	0.129	mg/Kg	☼	06/19/25 10:18	06/25/25 01:07	5
Thallium	**0.0495**	**J**	0.509	0.0306	mg/Kg	☼	06/19/25 10:18	06/25/25 01:07	5
Vanadium	**93.0**		0.727	0.0912	mg/Kg	☼	06/19/25 10:18	06/25/25 01:07	5
Zinc	**108**		1.82	1.51	mg/Kg	☼	06/19/25 10:18	06/25/25 01:07	5

Method: SW846 7473 - Mercury (AAS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.140	0.0586	mg/Kg	☼		06/23/25 09:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	**71.4**		0.01	0.01	%			06/14/25 08:26	1
Percent Moisture (EPA Moisture)	**28.6**		0.01	0.01	%			06/14/25 08:26	1

Client Sample Results

Client: S&ME Inc
Project/Site: Southside Park LF

Job ID: 400-277472-1

Client Sample ID: SD-5

Date Collected: 06/10/25 16:40
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277472-5

Matrix: Solid
Percent Solids: 71.4

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	0.695	J	1.39	0.445	mg/Kg	☼		06/23/25 10:30	1

Client: S&ME Inc
Project/Site: Southside Park LF

Job ID: 400-277472-1

Client Sample ID: DUP-6102025-SD
Date Collected: 06/10/25 00:00
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277472-6
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	**0.0388**		0.0240	0.0115	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
Benzene	ND		0.00480	0.000644	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
Bromobenzene	ND		0.00480	0.00125	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
Chlorobromomethane	ND		0.00480	0.000778	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
Dichlorobromomethane	ND		0.00480	0.000884	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
Bromoform	ND		0.00480	0.00125	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
Bromomethane	ND		0.00480	0.00240	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
2-Butanone (MEK)	ND		0.0240	0.00576	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
n-Butylbenzene	ND		0.00480	0.000922	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
sec-Butylbenzene	ND		0.00480	0.000913	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
tert-Butylbenzene	ND		0.00480	0.00106	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
Carbon disulfide	ND		0.00480	0.00243	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
Carbon tetrachloride	ND		0.00480	0.00163	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
Chlorobenzene	ND		0.00480	0.00127	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
Chloroethane	ND		0.00480	0.00317	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
Chloroform	ND		0.00480	0.00131	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
Chloromethane	ND		0.00480	0.00212	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
2-Chlorotoluene	ND		0.00480	0.00159	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
4-Chlorotoluene	ND		0.00480	0.000942	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
Chlorodibromomethane	ND		0.00480	0.00115	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
1,2-Dibromo-3-Chloropropane	ND		0.00480	0.00317	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
Ethylene Dibromide	ND		0.00480	0.000961	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
Dibromomethane	ND		0.00480	0.000797	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
1,2-Dichlorobenzene	ND		0.00480	0.00153	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
1,3-Dichlorobenzene	ND		0.00480	0.000913	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
1,4-Dichlorobenzene	ND		0.00480	0.000826	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
trans-1,4-Dichloro-2-butene	ND		0.00480	0.00240	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
1,1-Dichloroethane	ND		0.00480	0.000797	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
1,2-Dichloroethane	ND		0.00480	0.00177	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
cis-1,2-Dichloroethene	ND		0.00480	0.000730	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
trans-1,2-Dichloroethene	ND		0.00480	0.000922	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
1,1-Dichloroethene	ND		0.00480	0.00202	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
1,2-Dichloropropane	ND		0.00480	0.000730	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
1,3-Dichloropropane	ND		0.00480	0.000961	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
2,2-Dichloropropane	ND		0.00480	0.00106	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
1,1-Dichloropropene	ND		0.00480	0.000797	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
cis-1,3-Dichloropropene	ND		0.00480	0.00115	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
trans-1,3-Dichloropropene	ND		0.00480	0.00106	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
Ethylbenzene	ND		0.00480	0.000586	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
Hexachlorobutadiene	ND	*+	0.00480	0.00240	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
2-Hexanone	ND		0.0240	0.00480	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
Iodomethane	ND		0.00480	0.00327	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
Isopropylbenzene	ND		0.00480	0.000653	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
4-Isopropyltoluene	ND		0.00480	0.000961	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
Methylene Chloride	ND		0.0144	0.00961	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
4-Methyl-2-pentanone (MIBK)	ND		0.0240	0.0129	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
Methyl tert-butyl ether	ND		0.00480	0.000961	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
Naphthalene	ND		0.00480	0.00288	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
N-Propylbenzene	ND		0.00480	0.000865	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1

Client Sample ID: DUP-6102025-SD

Date Collected: 06/10/25 00:00
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277472-6

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		0.00480	0.000961	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
1,1,1,2-Tetrachloroethane	ND		0.00480	0.00106	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
1,1,2,2-Tetrachloroethane	ND		0.00480	0.00165	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
Tetrachloroethene	ND		0.00480	0.00288	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
Toluene	ND		0.00480	0.000961	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
1,2,3-Trichlorobenzene	ND		0.00480	0.00106	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
1,2,4-Trichlorobenzene	ND		0.00480	0.00193	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
1,1,1-Trichloroethane	ND		0.00480	0.00106	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
1,1,2-Trichloroethane	ND		0.00480	0.00155	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
Trichloroethene	ND		0.00480	0.000961	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
Trichlorofluoromethane	ND		0.00480	0.00233	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
1,2,3-Trichloropropane	ND		0.00480	0.00200	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00480	0.00181	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
1,2,4-Trimethylbenzene	ND		0.00480	0.000961	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
1,3,5-Trimethylbenzene	ND		0.00480	0.000797	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
Vinyl acetate	ND		0.0240	0.00613	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
Vinyl chloride	ND		0.00480	0.00209	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
o-Xylene	ND		0.00480	0.00288	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
m-Xylene & p-Xylene	ND		0.00480	0.00288	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
Xylenes, Total	ND		0.00961	0.00576	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
Isopropyl ether	ND		0.00480	0.00133	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
Hexane	ND		0.00480	0.00250	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
n-Heptane	ND		0.00480	0.00278	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1
Ethyl acetate	ND		0.0192	0.00480	mg/Kg	☼	06/20/25 12:06	06/20/25 18:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*50 - 150*	*06/20/25 12:06*	*06/20/25 18:22*	*1*
Dibromofluoromethane	*104*		*50 - 150*	*06/20/25 12:06*	*06/20/25 18:22*	*1*
Toluene-d8 (Surr)	*97*		*50 - 150*	*06/20/25 12:06*	*06/20/25 18:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*50 - 150*	*06/20/25 12:06*	*06/20/25 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		0.00788	0.00788	mg/Kg	☼	06/23/25 12:03	06/25/25 04:29	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*57*		*10 - 150*	*06/23/25 12:03*	*06/25/25 04:29*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		2.17	0.545	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
2,4,5-Trichlorophenol	ND		2.17	0.663	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
2,4,6-Trichlorophenol	ND		2.17	0.689	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
2,4-Dichlorophenol	ND		2.17	0.460	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
2,4-Dimethylphenol	ND		2.17	0.617	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
2,4-Dinitrophenol	ND		6.50	1.90	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
2,4-Dinitrotoluene	ND		2.17	0.663	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
2-Chlorophenol	ND		2.17	0.794	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
2-Chloronaphthalene	ND		2.17	0.505	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
2-Methylnaphthalene	ND		2.17	0.716	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
2-Methylphenol	ND		2.17	0.525	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5

Client Sample ID: DUP-6102025-SD
Date Collected: 06/10/25 00:00
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277472-6
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		2.17	0.460	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
2-Nitrophenol	ND		2.17	0.775	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
3 & 4 Methylphenol	ND		4.33	0.505	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
3,3'-Dichlorobenzidine	ND		2.17	0.722	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
3-Nitroaniline	ND	*+	2.17	0.512	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
4,6-Dinitro-2-methylphenol	ND		2.17	1.58	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
4-Bromophenyl phenyl ether	ND		2.17	0.689	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
4-Chloro-3-methylphenol	ND		2.17	0.532	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
4-Chloroaniline	ND		2.17	0.532	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
4-Chlorophenyl phenyl ether	ND		2.17	0.217	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
4-Nitroaniline	ND		2.17	0.742	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
Acenaphthene	ND		2.17	0.532	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
Acenaphthylene	ND		2.17	0.578	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
Acetophenone	ND		2.17	0.617	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
Anthracene	ND		2.17	0.512	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
Benzo[a]anthracene	ND		2.17	0.578	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
Benzo[a]pyrene	ND		2.17	0.309	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
Benzo[b]fluoranthene	ND		2.17	0.650	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
Benzo[g,h,i]perylene	ND		2.17	0.722	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
Benzo[k]fluoranthene	ND		2.17	0.512	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
Bis(2-chloroethoxy)methane	ND		2.17	0.479	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
Bis(2-chloroethyl)ether	ND		2.17	0.709	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
Bis(2-ethylhexyl) phthalate	ND		2.17	0.532	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
Chrysene	ND		2.17	0.696	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
Dibenz(a,h)anthracene	ND		2.17	0.834	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
Dibenzofuran	ND		2.17	0.545	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
Di-n-butyl phthalate	ND		2.17	0.637	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
Diethyl phthalate	ND		2.17	0.696	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
Dimethyl phthalate	ND		2.17	0.584	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
Di-n-octyl phthalate	ND		2.17	0.788	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
Fluoranthene	**0.901**	**J**	2.17	0.479	mg/Kg	☼	06/23/25 10:25	06/26/25 16:25	5
Fluorene	ND		2.17	0.591	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
Hexachlorobenzene	ND		2.17	0.656	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
Hexachlorobutadiene	ND		2.17	0.912	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
Hexachlorocyclopentadiene	ND		2.17	0.433	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
Hexachloroethane	ND		2.17	0.998	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
Indeno[1,2,3-cd]pyrene	ND		2.17	0.873	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
Isophorone	ND		2.17	0.440	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
Naphthalene	ND		2.17	0.584	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
Nitrobenzene	ND		2.17	0.643	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
N-Nitrosodiphenylamine	ND		2.17	0.551	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
N-Nitrosodi-n-propylamine	ND		2.17	0.689	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
Pentachlorophenol	ND		4.33	1.05	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
Phenanthrene	ND		2.17	0.532	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
Phenol	ND		2.17	0.584	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
Pyrene	**0.543**	**J**	2.17	0.512	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
Butyl benzyl phthalate	ND		2.17	1.05	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
bis (2-chloroisopropyl) ether	ND		2.17	0.827	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
Carbazole	ND		2.17	0.735	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5

Client Sample ID: DUP-6102025-SD
Date Collected: 06/10/25 00:00
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277472-6
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		2.17	0.676	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
4-Nitrophenol	ND		2.17	1.97	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
Atrazine	ND		2.17	0.591	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
Benzaldehyde	ND		2.17	0.880	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5
Caprolactam	ND		2.17	0.551	mg/Kg	☼	06/23/25 10:25	06/25/25 15:10	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*90*		*10 - 150*	*06/23/25 10:25*	*06/25/25 15:10*	*5*
2-Fluorobiphenyl (Surr)	*63*		*27 - 127*	*06/23/25 10:25*	*06/25/25 15:10*	*5*
2-Fluorophenol (Surr)	*35*		*25 - 128*	*06/23/25 10:25*	*06/25/25 15:10*	*5*
Terphenyl-d14 (Surr)	*66*		*24 - 146*	*06/23/25 10:25*	*06/25/25 15:10*	*5*
Phenol-d5 (Surr)	*38*		*29 - 130*	*06/23/25 10:25*	*06/25/25 15:10*	*5*
Nitrobenzene-d5 (Surr)	*49*		*15 - 136*	*06/23/25 10:25*	*06/25/25 15:10*	*5*

Method: SW846 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	**2.83**		0.809	0.539	mg/Kg	☼	06/27/25 21:07	07/01/25 14:53	1

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	☼		06/17/25 20:11	1
Sulfate	**14.7**	**J**	26.4	9.65	mg/Kg	☼		06/17/25 20:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**0.242**		0.167	0.00194	mg/Kg	☼	06/19/25 10:18	06/25/25 01:10	5
Arsenic	**1.32**		0.401	0.0357	mg/Kg	☼	06/19/25 10:18	06/25/25 01:10	5
Chromium	**20.1**		0.668	0.138	mg/Kg	☼	06/19/25 10:18	06/25/25 01:10	5
Copper	**23.6**		0.334	0.0347	mg/Kg	☼	06/19/25 10:18	06/25/25 01:10	5
Cadmium	**0.181**	**J**	0.334	0.0109	mg/Kg	☼	06/19/25 10:18	06/25/25 01:10	5
Cobalt	**9.19**		0.501	0.0189	mg/Kg	☼	06/19/25 10:18	06/25/25 01:10	5
Barium	**65.9**		1.67	0.00945	mg/Kg	☼	06/19/25 10:18	06/25/25 01:10	5
Beryllium	**0.212**	**J**	0.334	0.0234	mg/Kg	☼	06/19/25 10:18	06/25/25 01:10	5
Manganese	**386**		6.68	0.411	mg/Kg	☼	06/19/25 10:18	06/25/25 18:02	50
Nickel	**7.28**		0.668	0.0175	mg/Kg	☼	06/19/25 10:18	06/25/25 01:10	5
Lead	**23.4**		0.334	0.0394	mg/Kg	☼	06/19/25 10:18	06/25/25 01:10	5
Antimony	**0.162**	**J**	0.668	0.153	mg/Kg	☼	06/19/25 10:18	06/25/25 01:10	5
Selenium	**0.142**	**J**	1.67	0.119	mg/Kg	☼	06/19/25 10:18	06/25/25 01:10	5
Thallium	ND		0.467	0.0281	mg/Kg	☼	06/19/25 10:18	06/25/25 01:10	5
Vanadium	**28.5**		0.668	0.0838	mg/Kg	☼	06/19/25 10:18	06/25/25 01:10	5
Zinc	**69.1**		1.67	1.39	mg/Kg	☼	06/19/25 10:18	06/25/25 01:10	5

Method: SW846 7473 - Mercury (AAS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.133	0.0555	mg/Kg	☼		06/23/25 09:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	**75.4**		0.01	0.01	%			06/14/25 08:26	1
Percent Moisture (EPA Moisture)	**24.6**		0.01	0.01	%			06/14/25 08:26	1

Client: S&ME Inc
Job ID: 400-277472-1
Project/Site: Southside Park LF

Client Sample ID: DUP-6102025-SD
Lab Sample ID: 400-277472-6
Date Collected: 06/10/25 00:00
Matrix: Solid
Date Received: 06/12/25 09:40
Percent Solids: 75.4

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	0.702	J	1.25	0.401	mg/Kg	☼		06/23/25 10:33	1

Client: S&ME Inc
Project/Site: Southside Park LF

Job ID: 400-277472-1

Client Sample ID: TRIP BLANK

Date Collected: 06/10/25 00:00
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277472-7

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			06/20/25 14:13	1
Benzene	ND		1.00	0.500	ug/L			06/20/25 14:13	1
Bromobenzene	ND		1.00	0.540	ug/L			06/20/25 14:13	1
Bromoform	ND		5.00	0.250	ug/L			06/20/25 14:13	1
Bromomethane	ND		1.00	0.980	ug/L			06/20/25 14:13	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/20/25 14:13	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/20/25 14:13	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/20/25 14:13	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/20/25 14:13	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/20/25 14:13	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/20/25 14:13	1
Chloroethane	ND		1.00	0.760	ug/L			06/20/25 14:13	1
Chloroform	ND		1.00	0.900	ug/L			06/20/25 14:13	1
Chloromethane	ND		1.00	0.400	ug/L			06/20/25 14:13	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/20/25 14:13	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/20/25 14:13	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/20/25 14:13	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/20/25 14:13	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/20/25 14:13	1
Dibromomethane	ND		5.00	0.220	ug/L			06/20/25 14:13	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/20/25 14:13	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/20/25 14:13	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/20/25 14:13	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/20/25 14:13	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/20/25 14:13	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/20/25 14:13	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/20/25 14:13	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 14:13	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 14:13	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 14:13	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/20/25 14:13	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/20/25 14:13	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/20/25 14:13	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/20/25 14:13	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			06/20/25 14:13	1
Hexane	ND		1.00	0.960	ug/L			06/20/25 14:13	1
2-Hexanone	ND		25.0	4.26	ug/L			06/20/25 14:13	1
Iodomethane	ND		1.00	0.900	ug/L			06/20/25 14:13	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/20/25 14:13	1
Isopropyl ether	ND		1.00	0.740	ug/L			06/20/25 14:13	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/20/25 14:13	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/20/25 14:13	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/20/25 14:13	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/20/25 14:13	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/20/25 14:13	1
Naphthalene	ND		5.00	3.00	ug/L			06/20/25 14:13	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/20/25 14:13	1
n-Heptane	ND		1.00	0.210	ug/L			06/20/25 14:13	1
N-Propylbenzene	ND		1.00	0.690	ug/L			06/20/25 14:13	1

Client: S&ME Inc
Project/Site: Southside Park LF

Job ID: 400-277472-1

Client Sample ID: TRIP BLANK
Date Collected: 06/10/25 00:00
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277472-7
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			06/20/25 14:13	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/20/25 14:13	1
Styrene	ND		1.00	1.00	ug/L			06/20/25 14:13	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/20/25 14:13	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/20/25 14:13	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/20/25 14:13	1
Tetrachloroethene	ND		1.00	0.330	ug/L			06/20/25 14:13	1
Toluene	ND		1.00	0.900	ug/L			06/20/25 14:13	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/20/25 14:13	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/20/25 14:13	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/20/25 14:13	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/20/25 14:13	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/20/25 14:13	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/20/25 14:13	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/20/25 14:13	1
Trichloroethene	ND		1.00	0.150	ug/L			06/20/25 14:13	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			06/20/25 14:13	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/20/25 14:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/20/25 14:13	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/20/25 14:13	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/20/25 14:13	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/20/25 14:13	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/20/25 14:13	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/20/25 14:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*56 - 136*		*06/20/25 14:13*	*1*
Dibromofluoromethane	*106*		*79 - 130*		*06/20/25 14:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*59 - 146*		*06/20/25 14:13*	*1*
Toluene-d8 (Surr)	*92*		*64 - 132*		*06/20/25 14:13*	*1*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

HPLC/IC

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

Metals

Qualifier	Qualifier Description
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

Surrogate Summary

Client: S&ME Inc
Project/Site: Southside Park LF

Job ID: 400-277472-1

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)
400-277472-1	SD-1	81	125	88	123
400-277472-2	SD-2	82	124	87	124
400-277472-3	SD-3	103	105	96	98
400-277472-4	SD-4	104	107	98	96
400-277472-5	SD-5	101	108	96	99
400-277472-6	DUP-6102025-SD	104	104	97	97
LCS 400-713379/9-A	Lab Control Sample	81	120	89	114
LCS 400-713566/1-A	Lab Control Sample	104	106	95	100
MB 400-713379/8-A	Method Blank	79	122	87	117
MB 400-713566/2-A	Method Blank	101	103	98	89

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)
400-277472-7	TRIP BLANK	93	106	105	92
LCS 400-713471/1002	Lab Control Sample	96	104	104	95
MB 400-713471/5	Method Blank	92	104	101	88

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)
400-277472-1	SD-1	88	65	40	65	40	48
400-277472-2	SD-2	97	71	41	66	40	49
400-277472-3	SD-3	92	68	42	68	39	52
400-277472-4	SD-4	95	66	41	67	38	45
400-277472-5	SD-5	81	57	36	66	32	42
400-277472-6	DUP-6102025-SD	90	63	35	66	38	49
LCS 400-713723/2-A	Lab Control Sample	128	81	50	75	49	72
MB 400-713723/1-A	Method Blank	98	65	102	81	106	59

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)

Surrogate Summary

Client: S&ME Inc
Job ID: 400-277472-1
Project/Site: Southside Park LF

TPHL = Terphenyl-d14 (Surr)
PHL = Phenol-d5 (Surr)
NBZ = Nitrobenzene-d5 (Surr)

GC/MS VOA

Analysis Batch: 713320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277472-1	SD-1	Total/NA	Solid	8260D	713379
400-277472-2	SD-2	Total/NA	Solid	8260D	713379
MB 400-713379/8-A	Method Blank	Total/NA	Solid	8260D	713379
LCS 400-713379/9-A	Lab Control Sample	Total/NA	Solid	8260D	713379

Prep Batch: 713379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277472-1	SD-1	Total/NA	Solid	5035	
400-277472-2	SD-2	Total/NA	Solid	5035	
MB 400-713379/8-A	Method Blank	Total/NA	Solid	5035	
LCS 400-713379/9-A	Lab Control Sample	Total/NA	Solid	5035	

Analysis Batch: 713471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277472-7	TRIP BLANK	Total/NA	Water	8260D	
MB 400-713471/5	Method Blank	Total/NA	Water	8260D	
LCS 400-713471/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 713502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277472-3	SD-3	Total/NA	Solid	8260D	713566
400-277472-4	SD-4	Total/NA	Solid	8260D	713566
400-277472-5	SD-5	Total/NA	Solid	8260D	713566
400-277472-6	DUP-6102025-SD	Total/NA	Solid	8260D	713566
MB 400-713566/2-A	Method Blank	Total/NA	Solid	8260D	713566
LCS 400-713566/1-A	Lab Control Sample	Total/NA	Solid	8260D	713566

Prep Batch: 713566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277472-3	SD-3	Total/NA	Solid	5035	
400-277472-4	SD-4	Total/NA	Solid	5035	
400-277472-5	SD-5	Total/NA	Solid	5035	
400-277472-6	DUP-6102025-SD	Total/NA	Solid	5035	
MB 400-713566/2-A	Method Blank	Total/NA	Solid	5035	
LCS 400-713566/1-A	Lab Control Sample	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 713723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277472-1	SD-1	Total/NA	Solid	3546	
400-277472-2	SD-2	Total/NA	Solid	3546	
400-277472-3	SD-3	Total/NA	Solid	3546	
400-277472-4	SD-4	Total/NA	Solid	3546	
400-277472-5	SD-5	Total/NA	Solid	3546	
400-277472-6	DUP-6102025-SD	Total/NA	Solid	3546	
MB 400-713723/1-A	Method Blank	Total/NA	Solid	3546	
LCS 400-713723/2-A	Lab Control Sample	Total/NA	Solid	3546	

GC/MS Semi VOA

Prep Batch: 713741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277472-1	SD-1	Total/NA	Solid	3546	
400-277472-2	SD-2	Total/NA	Solid	3546	
400-277472-3	SD-3	Total/NA	Solid	3546	
400-277472-4	SD-4	Total/NA	Solid	3546	
400-277472-5	SD-5	Total/NA	Solid	3546	
400-277472-6	DUP-6102025-SD	Total/NA	Solid	3546	
MB 400-713741/1-A	Method Blank	Total/NA	Solid	3546	
LCS 400-713741/2-A	Lab Control Sample	Total/NA	Solid	3546	
400-277472-1 MS	SD-1	Total/NA	Solid	3546	
400-277472-1 MSD	SD-1	Total/NA	Solid	3546	

Analysis Batch: 713926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-713723/1-A	Method Blank	Total/NA	Solid	8270E	713723

Analysis Batch: 713928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277472-1	SD-1	Total/NA	Solid	8270E SIM ID	713741
400-277472-2	SD-2	Total/NA	Solid	8270E SIM ID	713741
400-277472-3	SD-3	Total/NA	Solid	8270E SIM ID	713741
400-277472-4	SD-4	Total/NA	Solid	8270E SIM ID	713741
400-277472-5	SD-5	Total/NA	Solid	8270E SIM ID	713741
400-277472-6	DUP-6102025-SD	Total/NA	Solid	8270E SIM ID	713741
MB 400-713741/1-A	Method Blank	Total/NA	Solid	8270E SIM ID	713741
LCS 400-713741/2-A	Lab Control Sample	Total/NA	Solid	8270E SIM ID	713741
400-277472-1 MS	SD-1	Total/NA	Solid	8270E SIM ID	713741
400-277472-1 MSD	SD-1	Total/NA	Solid	8270E SIM ID	713741

Analysis Batch: 713984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277472-1	SD-1	Total/NA	Solid	8270E	713723
400-277472-2	SD-2	Total/NA	Solid	8270E	713723
400-277472-3	SD-3	Total/NA	Solid	8270E	713723
400-277472-4	SD-4	Total/NA	Solid	8270E	713723
400-277472-5	SD-5	Total/NA	Solid	8270E	713723
400-277472-6	DUP-6102025-SD	Total/NA	Solid	8270E	713723
LCS 400-713723/2-A	Lab Control Sample	Total/NA	Solid	8270E	713723

Analysis Batch: 714244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277472-1	SD-1	Total/NA	Solid	8270E	713723
400-277472-2	SD-2	Total/NA	Solid	8270E	713723
400-277472-6	DUP-6102025-SD	Total/NA	Solid	8270E	713723

HPLC/IC

Prep Batch: 664280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277472-1	SD-1	Total/NA	Solid	3060A	
400-277472-2	SD-2	Total/NA	Solid	3060A	
400-277472-3	SD-3	Total/NA	Solid	3060A	

HPLC/IC (Continued)

Prep Batch: 664280 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277472-4	SD-4	Total/NA	Solid	3060A	
400-277472-5	SD-5	Total/NA	Solid	3060A	
400-277472-6	DUP-6102025-SD	Total/NA	Solid	3060A	
MB 410-664280/1-A	Method Blank	Total/NA	Solid	3060A	
LCS 410-664280/2-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSI 410-664280/3-A	Lab Control Sample	Total/NA	Solid	3060A	

Analysis Batch: 665076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277472-1	SD-1	Total/NA	Solid	7199	664280
400-277472-2	SD-2	Total/NA	Solid	7199	664280
400-277472-3	SD-3	Total/NA	Solid	7199	664280
400-277472-4	SD-4	Total/NA	Solid	7199	664280
400-277472-5	SD-5	Total/NA	Solid	7199	664280
400-277472-6	DUP-6102025-SD	Total/NA	Solid	7199	664280
MB 410-664280/1-A	Method Blank	Total/NA	Solid	7199	664280
LCS 410-664280/2-A	Lab Control Sample	Total/NA	Solid	7199	664280
LCSI 410-664280/3-A	Lab Control Sample	Total/NA	Solid	7199	664280

Leach Batch: 713018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277472-1	SD-1	Soluble	Solid	DI Leach	
400-277472-2	SD-2	Soluble	Solid	DI Leach	
400-277472-3	SD-3	Soluble	Solid	DI Leach	
400-277472-4	SD-4	Soluble	Solid	DI Leach	
400-277472-5	SD-5	Soluble	Solid	DI Leach	
400-277472-6	DUP-6102025-SD	Soluble	Solid	DI Leach	
MB 400-713018/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 400-713018/2-A	Lab Control Sample	Soluble	Solid	DI Leach	

Analysis Batch: 713106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277472-1	SD-1	Soluble	Solid	9056A	713018
400-277472-2	SD-2	Soluble	Solid	9056A	713018
400-277472-3	SD-3	Soluble	Solid	9056A	713018
400-277472-4	SD-4	Soluble	Solid	9056A	713018
400-277472-5	SD-5	Soluble	Solid	9056A	713018
400-277472-6	DUP-6102025-SD	Soluble	Solid	9056A	713018
MB 400-713018/1-A	Method Blank	Soluble	Solid	9056A	713018
LCS 400-713018/2-A	Lab Control Sample	Soluble	Solid	9056A	713018

Analysis Batch: 713108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277472-1	SD-1	Soluble	Solid	9056A	713018
400-277472-2	SD-2	Soluble	Solid	9056A	713018
400-277472-3	SD-3	Soluble	Solid	9056A	713018
400-277472-4	SD-4	Soluble	Solid	9056A	713018
400-277472-5	SD-5	Soluble	Solid	9056A	713018
400-277472-6	DUP-6102025-SD	Soluble	Solid	9056A	713018
MB 400-713018/1-A	Method Blank	Soluble	Solid	9056A	713018
LCS 400-713018/2-A	Lab Control Sample	Soluble	Solid	9056A	713018

Metals

Prep Batch: 62516

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277472-1	SD-1	Total/NA	Solid	3050B	
400-277472-2	SD-2	Total/NA	Solid	3050B	
400-277472-3	SD-3	Total/NA	Solid	3050B	
400-277472-4	SD-4	Total/NA	Solid	3050B	
400-277472-5	SD-5	Total/NA	Solid	3050B	
400-277472-6	DUP-6102025-SD	Total/NA	Solid	3050B	
MB 705-62516/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 705-62516/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 63364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277472-1	SD-1	Total/NA	Solid	7473	
400-277472-2	SD-2	Total/NA	Solid	7473	
400-277472-3	SD-3	Total/NA	Solid	7473	
400-277472-4	SD-4	Total/NA	Solid	7473	
400-277472-5	SD-5	Total/NA	Solid	7473	
400-277472-6	DUP-6102025-SD	Total/NA	Solid	7473	
MB 705-63364/5	Method Blank	Total/NA	Solid	7473	
LCS 705-63364/6	Lab Control Sample	Total/NA	Solid	7473	
400-277472-1 MS	SD-1	Total/NA	Solid	7473	
400-277472-1 MSD	SD-1	Total/NA	Solid	7473	

Analysis Batch: 63785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277472-1	SD-1	Total/NA	Solid	6020B	62516
400-277472-2	SD-2	Total/NA	Solid	6020B	62516
400-277472-3	SD-3	Total/NA	Solid	6020B	62516
400-277472-4	SD-4	Total/NA	Solid	6020B	62516
400-277472-5	SD-5	Total/NA	Solid	6020B	62516
400-277472-6	DUP-6102025-SD	Total/NA	Solid	6020B	62516
MB 705-62516/1-A ^5	Method Blank	Total/NA	Solid	6020B	62516
LCS 705-62516/2-A ^5	Lab Control Sample	Total/NA	Solid	6020B	62516

Analysis Batch: 64016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277472-1	SD-1	Total/NA	Solid	6020B	62516
400-277472-2	SD-2	Total/NA	Solid	6020B	62516
400-277472-3	SD-3	Total/NA	Solid	6020B	62516
400-277472-5	SD-5	Total/NA	Solid	6020B	62516
400-277472-6	DUP-6102025-SD	Total/NA	Solid	6020B	62516

Analysis Batch: 64866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277472-4	SD-4	Total/NA	Solid	6020B	62516

General Chemistry

Analysis Batch: 712785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277472-1	SD-1	Total/NA	Solid	Moisture	
400-277472-2	SD-2	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 712785 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277472-3	SD-3	Total/NA	Solid	Moisture	
400-277472-4	SD-4	Total/NA	Solid	Moisture	
400-277472-5	SD-5	Total/NA	Solid	Moisture	
400-277472-6	DUP-6102025-SD	Total/NA	Solid	Moisture	

Leach Batch: 713522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277472-1	SD-1	Soluble	Solid	DI Leach	
400-277472-2	SD-2	Soluble	Solid	DI Leach	
400-277472-3	SD-3	Soluble	Solid	DI Leach	
400-277472-4	SD-4	Soluble	Solid	DI Leach	
400-277472-5	SD-5	Soluble	Solid	DI Leach	
400-277472-6	DUP-6102025-SD	Soluble	Solid	DI Leach	
MB 400-713522/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 400-713522/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
400-277472-1 MS	SD-1	Soluble	Solid	DI Leach	
400-277472-1 MSD	SD-1	Soluble	Solid	DI Leach	

Analysis Batch: 713766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-277472-1	SD-1	Soluble	Solid	350.1	713522
400-277472-2	SD-2	Soluble	Solid	350.1	713522
400-277472-3	SD-3	Soluble	Solid	350.1	713522
400-277472-4	SD-4	Soluble	Solid	350.1	713522
400-277472-5	SD-5	Soluble	Solid	350.1	713522
400-277472-6	DUP-6102025-SD	Soluble	Solid	350.1	713522
MB 400-713522/1-A	Method Blank	Soluble	Solid	350.1	713522
LCS 400-713522/2-A	Lab Control Sample	Soluble	Solid	350.1	713522
MRL 400-713766/19	Lab Control Sample	Total/NA	Solid	350.1	
400-277472-1 MS	SD-1	Soluble	Solid	350.1	713522
400-277472-1 MSD	SD-1	Soluble	Solid	350.1	713522

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

Lab Sample ID: MB 400-713379/8-A
Matrix: Solid
Analysis Batch: 713320

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 713379

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0250	0.0120	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
Benzene	ND		0.00500	0.000670	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
Bromobenzene	ND		0.00500	0.00130	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
Bromoform	ND		0.00500	0.00130	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
Bromomethane	ND		0.00500	0.00250	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
2-Butanone (MEK)	ND		0.0250	0.00600	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
Chlorobromomethane	ND		0.00500	0.000810	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
Carbon disulfide	ND		0.00500	0.00253	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
Carbon tetrachloride	ND		0.00500	0.00170	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
Chlorobenzene	ND		0.00500	0.00132	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
Chloroethane	ND		0.00500	0.00330	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
Chloroform	ND		0.00500	0.00136	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
Chloromethane	ND		0.00500	0.00221	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
2-Chlorotoluene	ND		0.00500	0.00166	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
4-Chlorotoluene	ND		0.00500	0.000980	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
Chlorodibromomethane	ND		0.00500	0.00120	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
1,2-Dibromo-3-Chloropropane	ND		0.00500	0.00330	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
Dibromomethane	ND		0.00500	0.000830	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
1,2-Dichlorobenzene	ND		0.00500	0.00159	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
1,3-Dichlorobenzene	ND		0.00500	0.000950	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
Dichlorobromomethane	ND		0.00500	0.000920	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
1,4-Dichlorobenzene	ND		0.00500	0.000860	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
1,1-Dichloroethane	ND		0.00500	0.000830	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
1,2-Dichloroethane	ND		0.00500	0.00184	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
cis-1,2-Dichloroethene	ND		0.00500	0.000760	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
1,1-Dichloroethene	ND		0.00500	0.00210	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
1,2-Dichloropropane	ND		0.00500	0.000760	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
1,3-Dichloropropane	ND		0.00500	0.00100	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
2,2-Dichloropropane	ND		0.00500	0.00110	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
1,1-Dichloropropene	ND		0.00500	0.000830	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
Ethylene Dibromide	ND		0.00500	0.00100	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
cis-1,3-Dichloropropene	ND		0.00500	0.00120	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
Ethylbenzene	ND		0.00500	0.000610	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
Hexachlorobutadiene	ND		0.00500	0.00250	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
2-Hexanone	ND		0.0250	0.00500	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
Iodomethane	ND		0.00500	0.00340	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
Isopropylbenzene	ND		0.00500	0.000680	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
4-Isopropyltoluene	ND		0.00500	0.00100	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
Methylene Chloride	ND		0.0150	0.0100	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
4-Methyl-2-pentanone (MIBK)	ND		0.0250	0.0134	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
Methyl tert-butyl ether	ND		0.00500	0.00100	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
Naphthalene	ND		0.00500	0.00300	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
n-Butylbenzene	ND		0.00500	0.000960	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
N-Propylbenzene	ND		0.00500	0.000900	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
sec-Butylbenzene	ND		0.00500	0.000950	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
Styrene	ND		0.00500	0.00100	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
tert-Butylbenzene	ND		0.00500	0.00110	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
1,1,1,2-Tetrachloroethane	ND		0.00500	0.00110	mg/Kg		06/19/25 11:10	06/19/25 12:32	1

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

Lab Sample ID: MB 400-713379/8-A
Matrix: Solid
Analysis Batch: 713320

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 713379

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		06/19/25 11:10	06/19/25 12:32	1
Tetrachloroethene	ND		0.00500	0.00300	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
Toluene	ND		0.00500	0.00100	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
trans-1,4-Dichloro-2-butene	ND		0.00500	0.00250	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
trans-1,2-Dichloroethene	ND		0.00500	0.000960	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
trans-1,3-Dichloropropene	ND		0.00500	0.00110	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
1,2,3-Trichlorobenzene	ND		0.00500	0.00110	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
1,2,4-Trichlorobenzene	ND		0.00500	0.00201	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
1,1,1-Trichloroethane	ND		0.00500	0.00110	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
1,1,2-Trichloroethane	ND		0.00500	0.00161	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
o-Xylene	ND		0.00500	0.00300	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
Trichloroethene	ND		0.00500	0.00100	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
m-Xylene & p-Xylene	ND		0.00500	0.00300	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
Trichlorofluoromethane	ND		0.00500	0.00242	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
1,2,3-Trichloropropane	ND		0.00500	0.00208	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00500	0.00188	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
1,2,4-Trimethylbenzene	ND		0.00500	0.00100	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
1,3,5-Trimethylbenzene	ND		0.00500	0.000830	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
Isopropyl ether	ND		0.00500	0.00138	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
Hexane	ND		0.00500	0.00260	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
Vinyl acetate	ND		0.0250	0.00638	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
n-Heptane	ND		0.00500	0.00289	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
Vinyl chloride	ND		0.00500	0.00218	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
Ethyl acetate	ND		0.0200	0.00500	mg/Kg		06/19/25 11:10	06/19/25 12:32	1
Xylenes, Total	ND		0.0100	0.00600	mg/Kg		06/19/25 11:10	06/19/25 12:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*79*		*50 - 150*	*06/19/25 11:10*	*06/19/25 12:32*	*1*
Dibromofluoromethane	*122*		*50 - 150*	*06/19/25 11:10*	*06/19/25 12:32*	*1*
Toluene-d8 (Surr)	*87*		*50 - 150*	*06/19/25 11:10*	*06/19/25 12:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*117*		*50 - 150*	*06/19/25 11:10*	*06/19/25 12:32*	*1*

Lab Sample ID: LCS 400-713379/9-A
Matrix: Solid
Analysis Batch: 713320

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 713379

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	0.200	0.1562		mg/Kg		78	48 - 150
Benzene	0.0500	0.04581		mg/Kg		92	65 - 130
Bromobenzene	0.0500	0.05696		mg/Kg		114	65 - 130
Bromoform	0.0500	0.05408		mg/Kg		108	52 - 136
Bromomethane	0.0500	0.04438		mg/Kg		89	12 - 150
2-Butanone (MEK)	0.200	0.1924		mg/Kg		96	55 - 130
Chlorobromomethane	0.0500	0.05903		mg/Kg		118	65 - 130
Carbon disulfide	0.0500	0.03302		mg/Kg		66	46 - 141
Carbon tetrachloride	0.0500	0.06286		mg/Kg		126	60 - 130
Chlorobenzene	0.0500	0.04953		mg/Kg		99	70 - 130
Chloroethane	0.0500	0.04021		mg/Kg		80	55 - 134

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

Lab Sample ID: LCS 400-713379/9-A
Matrix: Solid
Analysis Batch: 713320

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 713379

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroform	0.0500	0.05419		mg/Kg		108	62 - 130
Chloromethane	0.0500	0.02571		mg/Kg		51	49 - 136
2-Chlorotoluene	0.0500	0.04092		mg/Kg		82	67 - 130
4-Chlorotoluene	0.0500	0.04548		mg/Kg		91	66 - 130
Chlorodibromomethane	0.0500	0.05518		mg/Kg		110	58 - 132
1,2-Dibromo-3-Chloropropane	0.0500	0.05193		mg/Kg		104	49 - 130
Dibromomethane	0.0500	0.05115		mg/Kg		102	65 - 130
1,2-Dichlorobenzene	0.0500	0.05402		mg/Kg		108	64 - 130
1,3-Dichlorobenzene	0.0500	0.05411		mg/Kg		108	66 - 130
Dichlorobromomethane	0.0500	0.05560		mg/Kg		111	61 - 130
1,4-Dichlorobenzene	0.0500	0.05397		mg/Kg		108	65 - 130
1,1-Dichloroethane	0.0500	0.04629		mg/Kg		93	59 - 130
1,2-Dichloroethane	0.0500	0.05528		mg/Kg		111	62 - 130
cis-1,2-Dichloroethene	0.0500	0.04766		mg/Kg		95	53 - 135
1,1-Dichloroethene	0.0500	0.04565		mg/Kg		91	55 - 137
1,2-Dichloropropane	0.0500	0.04418		mg/Kg		88	64 - 130
1,3-Dichloropropane	0.0500	0.04256		mg/Kg		85	67 - 130
2,2-Dichloropropane	0.0500	0.05233		mg/Kg		105	51 - 132
1,1-Dichloropropene	0.0500	0.04776		mg/Kg		96	65 - 130
Ethylene Dibromide	0.0500	0.04885		mg/Kg		98	67 - 130
cis-1,3-Dichloropropene	0.0500	0.04998		mg/Kg		100	61 - 130
Ethylbenzene	0.0500	0.04694		mg/Kg		94	70 - 130
Hexachlorobutadiene	0.0500	0.07765	*+	mg/Kg		155	62 - 133
2-Hexanone	0.200	0.1378		mg/Kg		69	57 - 131
Iodomethane	0.0500	0.04888		mg/Kg		98	12 - 150
Isopropylbenzene	0.0500	0.05255		mg/Kg		105	70 - 130
4-Isopropyltoluene	0.0500	0.05136		mg/Kg		103	68 - 130
Methylene Chloride	0.0500	0.05123		mg/Kg		102	57 - 132
4-Methyl-2-pentanone (MIBK)	0.200	0.1529		mg/Kg		76	58 - 130
Methyl tert-butyl ether	0.0500	0.04943		mg/Kg		99	63 - 130
Naphthalene	0.0500	0.04794		mg/Kg		96	45 - 144
n-Butylbenzene	0.0500	0.04207		mg/Kg		84	66 - 130
N-Propylbenzene	0.0500	0.04880		mg/Kg		98	67 - 130
sec-Butylbenzene	0.0500	0.04809		mg/Kg		96	67 - 130
Styrene	0.0500	0.05019		mg/Kg		100	68 - 130
tert-Butylbenzene	0.0500	0.04688		mg/Kg		94	67 - 130
1,1,1,2-Tetrachloroethane	0.0500	0.05788		mg/Kg		116	65 - 130
1,1,2,2-Tetrachloroethane	0.0500	0.03518		mg/Kg		70	60 - 131
Tetrachloroethene	0.0500	0.05537		mg/Kg		111	67 - 130
Toluene	0.0500	0.04255		mg/Kg		85	70 - 130
trans-1,4-Dichloro-2-butene	0.0500	0.03590		mg/Kg		72	45 - 137
trans-1,2-Dichloroethene	0.0500	0.04650		mg/Kg		93	58 - 134
trans-1,3-Dichloropropene	0.0500	0.04628		mg/Kg		93	60 - 130
1,2,3-Trichlorobenzene	0.0500	0.06435		mg/Kg		129	58 - 135
1,2,4-Trichlorobenzene	0.0500	0.06578		mg/Kg		132	56 - 138
1,1,1-Trichloroethane	0.0500	0.05850		mg/Kg		117	63 - 130
1,1,2-Trichloroethane	0.0500	0.04247		mg/Kg		85	65 - 130
o-Xylene	0.0500	0.04814		mg/Kg		96	70 - 130
Trichloroethene	0.0500	0.05931		mg/Kg		119	65 - 130

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

Lab Sample ID: LCS 400-713379/9-A
Matrix: Solid
Analysis Batch: 713320

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 713379

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
m-Xylene & p-Xylene	0.0500	0.04828		mg/Kg		97	70 - 130
Trichlorofluoromethane	0.0500	0.06020		mg/Kg		120	61 - 136
1,2,3-Trichloropropane	0.0500	0.04531		mg/Kg		91	60 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0500	0.05334		mg/Kg		107	47 - 143
1,2,4-Trimethylbenzene	0.0500	0.04899		mg/Kg		98	66 - 130
1,3,5-Trimethylbenzene	0.0500	0.04844		mg/Kg		97	67 - 130
Isopropyl ether	0.0200	0.01578		mg/Kg		79	62 - 130
Hexane	0.0500	0.03674		mg/Kg		73	57 - 132
Vinyl acetate	0.100	0.09427		mg/Kg		94	24 - 150
n-Heptane	0.0500	0.03153		mg/Kg		63	61 - 130
Vinyl chloride	0.0500	0.04000		mg/Kg		80	52 - 132
Ethyl acetate	0.100	0.08709		mg/Kg		87	21 - 150
Xylenes, Total	0.100	0.09641		mg/Kg		96	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*81*		*50 - 150*
Dibromofluoromethane	*120*		*50 - 150*
Toluene-d8 (Surr)	*89*		*50 - 150*
1,2-Dichloroethane-d4 (Surr)	*114*		*50 - 150*

Lab Sample ID: MB 400-713471/5
Matrix: Water
Analysis Batch: 713471

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			06/20/25 08:15	1
Benzene	ND		1.00	0.500	ug/L			06/20/25 08:15	1
Bromobenzene	ND		1.00	0.540	ug/L			06/20/25 08:15	1
Bromoform	ND		5.00	0.250	ug/L			06/20/25 08:15	1
Bromomethane	ND		1.00	0.980	ug/L			06/20/25 08:15	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/20/25 08:15	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/20/25 08:15	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/20/25 08:15	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/20/25 08:15	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/20/25 08:15	1
Chloroethane	ND		1.00	0.760	ug/L			06/20/25 08:15	1
Chloroform	ND		1.00	0.900	ug/L			06/20/25 08:15	1
Chloromethane	ND		1.00	0.400	ug/L			06/20/25 08:15	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/20/25 08:15	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/20/25 08:15	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/20/25 08:15	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/20/25 08:15	1
Dibromomethane	ND		5.00	0.220	ug/L			06/20/25 08:15	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/20/25 08:15	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/20/25 08:15	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/20/25 08:15	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/20/25 08:15	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/20/25 08:15	1

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

Lab Sample ID: MB 400-713471/5
Matrix: Water
Analysis Batch: 713471

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/20/25 08:15	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/20/25 08:15	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/20/25 08:15	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 08:15	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 08:15	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/20/25 08:15	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/20/25 08:15	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/20/25 08:15	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/20/25 08:15	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/20/25 08:15	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			06/20/25 08:15	1
2-Hexanone	ND		25.0	4.26	ug/L			06/20/25 08:15	1
Iodomethane	ND		1.00	0.900	ug/L			06/20/25 08:15	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/20/25 08:15	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/20/25 08:15	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/20/25 08:15	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/20/25 08:15	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/20/25 08:15	1
Naphthalene	ND		5.00	3.00	ug/L			06/20/25 08:15	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/20/25 08:15	1
N-Propylbenzene	ND		1.00	0.690	ug/L			06/20/25 08:15	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/20/25 08:15	1
Styrene	ND		1.00	1.00	ug/L			06/20/25 08:15	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/20/25 08:15	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/20/25 08:15	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/20/25 08:15	1
Tetrachloroethene	ND		1.00	0.330	ug/L			06/20/25 08:15	1
Toluene	ND		1.00	0.900	ug/L			06/20/25 08:15	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/20/25 08:15	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/20/25 08:15	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/20/25 08:15	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/20/25 08:15	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/20/25 08:15	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/20/25 08:15	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/20/25 08:15	1
o-Xylene	ND		5.00	3.00	ug/L			06/20/25 08:15	1
Trichloroethene	ND		1.00	0.150	ug/L			06/20/25 08:15	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/20/25 08:15	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			06/20/25 08:15	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/20/25 08:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/20/25 08:15	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/20/25 08:15	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/20/25 08:15	1
Isopropyl ether	ND		1.00	0.740	ug/L			06/20/25 08:15	1
Hexane	ND		1.00	0.960	ug/L			06/20/25 08:15	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/20/25 08:15	1
n-Heptane	ND		1.00	0.210	ug/L			06/20/25 08:15	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/20/25 08:15	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/20/25 08:15	1

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

Lab Sample ID: MB 400-713471/5
Matrix: Water
Analysis Batch: 713471

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			06/20/25 08:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*56 - 136*		*06/20/25 08:15*	*1*
Dibromofluoromethane	*104*		*79 - 130*		*06/20/25 08:15*	*1*
Toluene-d8 (Surr)	*88*		*64 - 132*		*06/20/25 08:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*59 - 146*		*06/20/25 08:15*	*1*

Lab Sample ID: LCS 400-713471/1002
Matrix: Water
Analysis Batch: 713471

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	253.6		ug/L		127	43 - 150
Benzene	50.0	51.18		ug/L		102	70 - 130
Bromobenzene	50.0	50.39		ug/L		101	70 - 132
Bromoform	50.0	48.99		ug/L		98	57 - 140
Bromomethane	50.0	54.23		ug/L		108	10 - 150
2-Butanone (MEK)	200	249.1		ug/L		125	61 - 145
Chlorobromomethane	50.0	57.50		ug/L		115	70 - 130
Carbon disulfide	50.0	43.94		ug/L		88	61 - 137
Carbon tetrachloride	50.0	56.04		ug/L		112	61 - 137
Chlorobenzene	50.0	50.83		ug/L		102	70 - 130
Chloroethane	50.0	54.07		ug/L		108	55 - 141
Chloroform	50.0	53.79		ug/L		108	69 - 130
Chloromethane	50.0	46.48		ug/L		93	58 - 137
2-Chlorotoluene	50.0	46.58		ug/L		93	70 - 130
4-Chlorotoluene	50.0	48.14		ug/L		96	70 - 130
Chlorodibromomethane	50.0	51.56		ug/L		103	67 - 135
1,2-Dibromo-3-Chloropropane	50.0	44.83		ug/L		90	54 - 135
Dibromomethane	50.0	56.55		ug/L		113	70 - 130
1,2-Dichlorobenzene	50.0	51.15		ug/L		102	67 - 130
1,3-Dichlorobenzene	50.0	50.64		ug/L		101	70 - 130
Dichlorobromomethane	50.0	54.71		ug/L		109	67 - 133
1,4-Dichlorobenzene	50.0	50.53		ug/L		101	70 - 130
1,1-Dichloroethane	50.0	52.44		ug/L		105	70 - 130
1,2-Dichloroethane	50.0	56.21		ug/L		112	69 - 130
cis-1,2-Dichloroethene	50.0	51.68		ug/L		103	68 - 130
1,1-Dichloroethene	50.0	50.36		ug/L		101	63 - 134
1,2-Dichloropropane	50.0	51.84		ug/L		104	70 - 130
1,3-Dichloropropane	50.0	47.65		ug/L		95	70 - 130
2,2-Dichloropropane	50.0	51.24		ug/L		102	52 - 135
1,1-Dichloropropene	50.0	50.40		ug/L		101	70 - 130
Ethylene Dibromide	50.0	49.83		ug/L		100	70 - 130
cis-1,3-Dichloropropene	50.0	55.23		ug/L		110	69 - 132
Ethylbenzene	50.0	47.11		ug/L		94	70 - 130
Hexachlorobutadiene	50.0	48.92		ug/L		98	53 - 140
2-Hexanone	200	189.6		ug/L		95	65 - 137

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

Lab Sample ID: LCS 400-713471/1002
Matrix: Water
Analysis Batch: 713471

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iodomethane	50.0	58.75		ug/L		118	27 - 150
Isopropylbenzene	50.0	48.59		ug/L		97	70 - 130
4-Isopropyltoluene	50.0	47.36		ug/L		95	65 - 130
Methylene Chloride	50.0	50.76		ug/L		102	66 - 135
4-Methyl-2-pentanone (MIBK)	200	216.3		ug/L		108	69 - 138
Methyl tert-butyl ether	50.0	51.04		ug/L		102	66 - 130
Naphthalene	50.0	49.58		ug/L		99	47 - 149
n-Butylbenzene	50.0	46.39		ug/L		93	67 - 130
N-Propylbenzene	50.0	48.29		ug/L		97	70 - 130
sec-Butylbenzene	50.0	47.84		ug/L		96	66 - 130
Styrene	50.0	47.97		ug/L		96	70 - 130
tert-Butylbenzene	50.0	44.21		ug/L		88	64 - 139
1,1,1,2-Tetrachloroethane	50.0	53.27		ug/L		107	67 - 131
1,1,2,2-Tetrachloroethane	50.0	46.51		ug/L		93	70 - 131
Tetrachloroethene	50.0	48.42		ug/L		97	65 - 130
Toluene	50.0	47.42		ug/L		95	70 - 130
trans-1,4-Dichloro-2-butene	50.0	42.70		ug/L		85	57 - 140
trans-1,2-Dichloroethene	50.0	52.50		ug/L		105	70 - 130
trans-1,3-Dichloropropene	50.0	48.63		ug/L		97	63 - 130
1,2,3-Trichlorobenzene	50.0	52.32		ug/L		105	60 - 138
1,2,4-Trichlorobenzene	50.0	51.60		ug/L		103	60 - 140
1,1,1-Trichloroethane	50.0	53.80		ug/L		108	68 - 130
1,1,2-Trichloroethane	50.0	49.65		ug/L		99	70 - 130
o-Xylene	50.0	48.51		ug/L		97	70 - 130
Trichloroethene	50.0	56.31		ug/L		113	70 - 130
m-Xylene & p-Xylene	50.0	47.70		ug/L		95	70 - 130
Trichlorofluoromethane	50.0	55.49		ug/L		111	65 - 138
1,2,3-Trichloropropane	50.0	47.26		ug/L		95	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	46.49		ug/L		93	70 - 130
1,3,5-Trimethylbenzene	50.0	46.75		ug/L		94	69 - 130
Isopropyl ether	50.0	50.89		ug/L		102	64 - 132
Hexane	50.0	47.81		ug/L		96	69 - 130
Vinyl acetate	100	114.6		ug/L		115	26 - 150
n-Heptane	50.0	44.73		ug/L		89	70 - 130
Vinyl chloride	50.0	55.47		ug/L		111	59 - 136
Ethyl acetate	100	90.59		ug/L		91	34 - 150
Xylenes, Total	100	96.20		ug/L		96	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*96*		*56 - 136*
Dibromofluoromethane	*104*		*79 - 130*
Toluene-d8 (Surr)	*95*		*64 - 132*
1,2-Dichloroethane-d4 (Surr)	*104*		*59 - 146*

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

Lab Sample ID: MB 400-713566/2-A
Matrix: Solid
Analysis Batch: 713502

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 713566

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0250	0.0120	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
Benzene	ND		0.00500	0.000670	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
Bromobenzene	ND		0.00500	0.00130	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
Bromoform	ND		0.00500	0.00130	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
Bromomethane	ND		0.00500	0.00250	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
2-Butanone (MEK)	ND		0.0250	0.00600	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
Chlorobromomethane	ND		0.00500	0.000810	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
Carbon disulfide	ND		0.00500	0.00253	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
Carbon tetrachloride	ND		0.00500	0.00170	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
Chlorobenzene	ND		0.00500	0.00132	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
Chloroethane	ND		0.00500	0.00330	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
Chloroform	ND		0.00500	0.00136	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
Chloromethane	ND		0.00500	0.00221	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
2-Chlorotoluene	ND		0.00500	0.00166	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
4-Chlorotoluene	ND		0.00500	0.000980	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
Chlorodibromomethane	ND		0.00500	0.00120	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
1,2-Dibromo-3-Chloropropane	ND		0.00500	0.00330	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
Dibromomethane	ND		0.00500	0.000830	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
1,2-Dichlorobenzene	ND		0.00500	0.00159	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
1,3-Dichlorobenzene	ND		0.00500	0.000950	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
Dichlorobromomethane	ND		0.00500	0.000920	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
1,4-Dichlorobenzene	ND		0.00500	0.000860	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
1,1-Dichloroethane	ND		0.00500	0.000830	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
1,2-Dichloroethane	ND		0.00500	0.00184	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
cis-1,2-Dichloroethene	ND		0.00500	0.000760	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
1,1-Dichloroethene	ND		0.00500	0.00210	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
1,2-Dichloropropane	ND		0.00500	0.000760	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
1,3-Dichloropropane	ND		0.00500	0.00100	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
2,2-Dichloropropane	ND		0.00500	0.00110	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
1,1-Dichloropropene	ND		0.00500	0.000830	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
Ethylene Dibromide	ND		0.00500	0.00100	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
cis-1,3-Dichloropropene	ND		0.00500	0.00120	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
Ethylbenzene	ND		0.00500	0.000610	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
Hexachlorobutadiene	ND		0.00500	0.00250	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
2-Hexanone	ND		0.0250	0.00500	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
Iodomethane	ND		0.00500	0.00340	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
Isopropylbenzene	ND		0.00500	0.000680	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
4-Isopropyltoluene	ND		0.00500	0.00100	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
Methylene Chloride	ND		0.0150	0.0100	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
4-Methyl-2-pentanone (MIBK)	ND		0.0250	0.0134	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
Methyl tert-butyl ether	ND		0.00500	0.00100	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
Naphthalene	ND		0.00500	0.00300	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
n-Butylbenzene	ND		0.00500	0.000960	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
N-Propylbenzene	ND		0.00500	0.000900	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
sec-Butylbenzene	ND		0.00500	0.000950	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
Styrene	ND		0.00500	0.00100	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
tert-Butylbenzene	ND		0.00500	0.00110	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
1,1,1,2-Tetrachloroethane	ND		0.00500	0.00110	mg/Kg		06/20/25 12:06	06/20/25 13:05	1

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

Lab Sample ID: MB 400-713566/2-A
Matrix: Solid
Analysis Batch: 713502

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 713566

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		06/20/25 12:06	06/20/25 13:05	1
Tetrachloroethene	ND		0.00500	0.00300	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
Toluene	ND		0.00500	0.00100	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
trans-1,4-Dichloro-2-butene	ND		0.00500	0.00250	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
trans-1,2-Dichloroethene	ND		0.00500	0.000960	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
trans-1,3-Dichloropropene	ND		0.00500	0.00110	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
1,2,3-Trichlorobenzene	ND		0.00500	0.00110	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
1,2,4-Trichlorobenzene	ND		0.00500	0.00201	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
1,1,1-Trichloroethane	ND		0.00500	0.00110	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
1,1,2-Trichloroethane	ND		0.00500	0.00161	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
o-Xylene	ND		0.00500	0.00300	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
Trichloroethene	ND		0.00500	0.00100	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
m-Xylene & p-Xylene	ND		0.00500	0.00300	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
Trichlorofluoromethane	ND		0.00500	0.00242	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
1,2,3-Trichloropropane	ND		0.00500	0.00208	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00500	0.00188	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
1,2,4-Trimethylbenzene	ND		0.00500	0.00100	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
1,3,5-Trimethylbenzene	ND		0.00500	0.000830	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
Isopropyl ether	ND		0.00500	0.00138	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
Hexane	ND		0.00500	0.00260	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
Vinyl acetate	ND		0.0250	0.00638	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
n-Heptane	ND		0.00500	0.00289	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
Vinyl chloride	ND		0.00500	0.00218	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
Ethyl acetate	ND		0.0200	0.00500	mg/Kg		06/20/25 12:06	06/20/25 13:05	1
Xylenes, Total	ND		0.0100	0.00600	mg/Kg		06/20/25 12:06	06/20/25 13:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*50 - 150*	*06/20/25 12:06*	*06/20/25 13:05*	*1*
Dibromofluoromethane	*103*		*50 - 150*	*06/20/25 12:06*	*06/20/25 13:05*	*1*
Toluene-d8 (Surr)	*98*		*50 - 150*	*06/20/25 12:06*	*06/20/25 13:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*50 - 150*	*06/20/25 12:06*	*06/20/25 13:05*	*1*

Lab Sample ID: LCS 400-713566/1-A
Matrix: Solid
Analysis Batch: 713502

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 713566

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	0.200	0.2221		mg/Kg		111	48 - 150
Benzene	0.0500	0.04630		mg/Kg		93	65 - 130
Bromobenzene	0.0500	0.05235		mg/Kg		105	65 - 130
Bromoform	0.0500	0.04996		mg/Kg		100	52 - 136
Bromomethane	0.0500	0.03415		mg/Kg		68	12 - 150
2-Butanone (MEK)	0.200	0.1688		mg/Kg		84	55 - 130
Chlorobromomethane	0.0500	0.04975		mg/Kg		100	65 - 130
Carbon disulfide	0.0500	0.03229		mg/Kg		65	46 - 141
Carbon tetrachloride	0.0500	0.04556		mg/Kg		91	60 - 130
Chlorobenzene	0.0500	0.04973		mg/Kg		99	70 - 130
Chloroethane	0.0500	0.03383		mg/Kg		68	55 - 134

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

Lab Sample ID: LCS 400-713566/1-A
Matrix: Solid
Analysis Batch: 713502

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 713566

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroform	0.0500	0.05097		mg/Kg		102	62 - 130
Chloromethane	0.0500	0.03466		mg/Kg		69	49 - 136
2-Chlorotoluene	0.0500	0.05535		mg/Kg		111	67 - 130
4-Chlorotoluene	0.0500	0.05440		mg/Kg		109	66 - 130
Chlorodibromomethane	0.0500	0.04854		mg/Kg		97	58 - 132
1,2-Dibromo-3-Chloropropane	0.0500	0.04962		mg/Kg		99	49 - 130
Dibromomethane	0.0500	0.05006		mg/Kg		100	65 - 130
1,2-Dichlorobenzene	0.0500	0.05295		mg/Kg		106	64 - 130
1,3-Dichlorobenzene	0.0500	0.05613		mg/Kg		112	66 - 130
Dichlorobromomethane	0.0500	0.04982		mg/Kg		100	61 - 130
1,4-Dichlorobenzene	0.0500	0.05385		mg/Kg		108	65 - 130
1,1-Dichloroethane	0.0500	0.04184		mg/Kg		84	59 - 130
1,2-Dichloroethane	0.0500	0.04183		mg/Kg		84	62 - 130
cis-1,2-Dichloroethene	0.0500	0.04281		mg/Kg		86	53 - 135
1,1-Dichloroethene	0.0500	0.04612		mg/Kg		92	55 - 137
1,2-Dichloropropane	0.0500	0.04337		mg/Kg		87	64 - 130
1,3-Dichloropropane	0.0500	0.05057		mg/Kg		101	67 - 130
2,2-Dichloropropane	0.0500	0.04824		mg/Kg		96	51 - 132
1,1-Dichloropropene	0.0500	0.04597		mg/Kg		92	65 - 130
Ethylene Dibromide	0.0500	0.05015		mg/Kg		100	67 - 130
cis-1,3-Dichloropropene	0.0500	0.05138		mg/Kg		103	61 - 130
Ethylbenzene	0.0500	0.05055		mg/Kg		101	70 - 130
Hexachlorobutadiene	0.0500	0.07720	*+	mg/Kg		154	62 - 133
2-Hexanone	0.200	0.1596		mg/Kg		80	57 - 131
Iodomethane	0.0500	0.04841		mg/Kg		97	12 - 150
Isopropylbenzene	0.0500	0.05362		mg/Kg		107	70 - 130
4-Isopropyltoluene	0.0500	0.05731		mg/Kg		115	68 - 130
Methylene Chloride	0.0500	0.04672		mg/Kg		93	57 - 132
4-Methyl-2-pentanone (MIBK)	0.200	0.1737		mg/Kg		87	58 - 130
Methyl tert-butyl ether	0.0500	0.05497		mg/Kg		110	63 - 130
Naphthalene	0.0500	0.04965		mg/Kg		99	45 - 144
n-Butylbenzene	0.0500	0.06022		mg/Kg		120	66 - 130
N-Propylbenzene	0.0500	0.05477		mg/Kg		110	67 - 130
sec-Butylbenzene	0.0500	0.05780		mg/Kg		116	67 - 130
Styrene	0.0500	0.04968		mg/Kg		99	68 - 130
tert-Butylbenzene	0.0500	0.05457		mg/Kg		109	67 - 130
1,1,1,2-Tetrachloroethane	0.0500	0.04966		mg/Kg		99	65 - 130
1,1,2,2-Tetrachloroethane	0.0500	0.05048		mg/Kg		101	60 - 131
Tetrachloroethene	0.0500	0.05216		mg/Kg		104	67 - 130
Toluene	0.0500	0.04445		mg/Kg		89	70 - 130
trans-1,4-Dichloro-2-butene	0.0500	0.04432		mg/Kg		89	45 - 137
trans-1,2-Dichloroethene	0.0500	0.04424		mg/Kg		88	58 - 134
trans-1,3-Dichloropropene	0.0500	0.04904		mg/Kg		98	60 - 130
1,2,3-Trichlorobenzene	0.0500	0.05903		mg/Kg		118	58 - 135
1,2,4-Trichlorobenzene	0.0500	0.06161		mg/Kg		123	56 - 138
1,1,1-Trichloroethane	0.0500	0.04652		mg/Kg		93	63 - 130
1,1,2-Trichloroethane	0.0500	0.04998		mg/Kg		100	65 - 130
o-Xylene	0.0500	0.05038		mg/Kg		101	70 - 130
Trichloroethene	0.0500	0.05247		mg/Kg		105	65 - 130

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

Lab Sample ID: LCS 400-713566/1-A
Matrix: Solid
Analysis Batch: 713502

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 713566

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
m-Xylene & p-Xylene	0.0500	0.04953		mg/Kg		99	70 - 130
Trichlorofluoromethane	0.0500	0.04427		mg/Kg		89	61 - 136
1,2,3-Trichloropropane	0.0500	0.05367		mg/Kg		107	60 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0500	0.03984		mg/Kg		80	47 - 143
1,2,4-Trimethylbenzene	0.0500	0.05692		mg/Kg		114	66 - 130
1,3,5-Trimethylbenzene	0.0500	0.05781		mg/Kg		116	67 - 130
Isopropyl ether	0.0500	0.04832		mg/Kg		97	62 - 130
Hexane	0.0500	0.03014		mg/Kg		60	57 - 132
Vinyl acetate	0.100	0.1011		mg/Kg		101	24 - 150
n-Heptane	0.0500	0.03274		mg/Kg		65	61 - 130
Vinyl chloride	0.0500	0.04043		mg/Kg		81	52 - 132
Ethyl acetate	0.100	0.1100		mg/Kg		110	21 - 150
Xylenes, Total	0.100	0.09990		mg/Kg		100	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*104*		*50 - 150*
Dibromofluoromethane	*106*		*50 - 150*
Toluene-d8 (Surr)	*95*		*50 - 150*
1,2-Dichloroethane-d4 (Surr)	*100*		*50 - 150*

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

Lab Sample ID: MB 400-713723/1-A
Matrix: Solid
Analysis Batch: 713926

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 713723

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.330	0.0830	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
2,4,5-Trichlorophenol	ND		0.330	0.101	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
2,4,6-Trichlorophenol	ND		0.330	0.105	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
2,4-Dichlorophenol	ND		0.330	0.0700	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
2,4-Dimethylphenol	ND		0.330	0.0940	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
2,4-Dinitrophenol	ND		0.990	0.290	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
2,4-Dinitrotoluene	ND		0.330	0.101	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
2-Chlorophenol	ND		0.330	0.121	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
2-Chloronaphthalene	ND		0.330	0.0770	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
2-Methylnaphthalene	ND		0.330	0.109	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
2-Methylphenol	ND		0.330	0.0800	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
2-Nitroaniline	ND		0.330	0.0700	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
2-Nitrophenol	ND		0.330	0.118	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
3 & 4 Methylphenol	ND		0.660	0.0770	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
3,3'-Dichlorobenzidine	ND		0.330	0.110	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
3-Nitroaniline	ND		0.330	0.0780	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
4,6-Dinitro-2-methylphenol	ND		0.330	0.240	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
4-Bromophenyl phenyl ether	ND		0.330	0.105	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
4-Chloro-3-methylphenol	ND		0.330	0.0810	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
4-Chloroaniline	ND		0.330	0.0810	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
4-Chlorophenyl phenyl ether	ND		0.330	0.0330	mg/Kg		06/23/25 10:24	06/24/25 23:32	1

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

Lab Sample ID: MB 400-713723/1-A
Matrix: Solid
Analysis Batch: 713926

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 713723

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	ND		0.330	0.113	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
Acenaphthene	ND		0.330	0.0810	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
Acenaphthylene	ND		0.330	0.0880	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
Acetophenone	ND		0.330	0.0940	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
Anthracene	ND		0.330	0.0780	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
Benzo[a]anthracene	ND		0.330	0.0880	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
Benzo[a]pyrene	ND		0.330	0.0470	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
Benzo[b]fluoranthene	ND		0.330	0.0990	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
Benzo[g,h,i]perylene	ND		0.330	0.110	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
Benzo[k]fluoranthene	ND		0.330	0.0780	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
Bis(2-chloroethoxy)methane	ND		0.330	0.0730	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
Bis(2-chloroethyl)ether	ND		0.330	0.108	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
Bis(2-ethylhexyl) phthalate	ND		0.330	0.0810	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
Chrysene	ND		0.330	0.106	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
Dibenz(a,h)anthracene	ND		0.330	0.127	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
Dibenzofuran	ND		0.330	0.0830	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
Di-n-butyl phthalate	ND		0.330	0.0970	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
Diethyl phthalate	ND		0.330	0.106	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
Dimethyl phthalate	ND		0.330	0.0890	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
Di-n-octyl phthalate	ND		0.330	0.120	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
Fluoranthene	ND		0.330	0.0730	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
Fluorene	ND		0.330	0.0900	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
Hexachlorobenzene	ND		0.330	0.100	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
Hexachlorobutadiene	ND		0.330	0.139	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
Hexachlorocyclopentadiene	ND		0.330	0.0660	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
Hexachloroethane	ND		0.330	0.152	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
Indeno[1,2,3-cd]pyrene	ND		0.330	0.133	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
Isophorone	ND		0.330	0.0670	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
Naphthalene	ND		0.330	0.0890	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
Nitrobenzene	ND		0.330	0.0980	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
N-Nitrosodiphenylamine	ND		0.330	0.0840	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
N-Nitrosodi-n-propylamine	ND		0.330	0.105	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
Pentachlorophenol	ND		0.660	0.160	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
Phenanthrene	ND		0.330	0.0810	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
Phenol	ND		0.330	0.0890	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
Pyrene	ND		0.330	0.0780	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
Butyl benzyl phthalate	ND		0.330	0.160	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
bis (2-chloroisopropyl) ether	ND		0.330	0.126	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
Carbazole	ND		0.330	0.112	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
2,6-Dinitrotoluene	ND		0.330	0.103	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
4-Nitrophenol	ND		0.330	0.300	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
Atrazine	ND		0.330	0.0900	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
Benzaldehyde	ND		0.330	0.134	mg/Kg		06/23/25 10:24	06/24/25 23:32	1
Caprolactam	ND		0.330	0.0840	mg/Kg		06/23/25 10:24	06/24/25 23:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*98*		*10 - 150*	*06/23/25 10:24*	*06/24/25 23:32*	*1*
2-Fluorobiphenyl (Surr)	*65*		*27 - 127*	*06/23/25 10:24*	*06/24/25 23:32*	*1*

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

Lab Sample ID: MB 400-713723/1-A
Matrix: Solid
Analysis Batch: 713926

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 713723

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	*102*		*25 - 128*	*06/23/25 10:24*	*06/24/25 23:32*	*1*
Terphenyl-d14 (Surr)	*81*		*24 - 146*	*06/23/25 10:24*	*06/24/25 23:32*	*1*
Phenol-d5 (Surr)	*106*		*29 - 130*	*06/23/25 10:24*	*06/24/25 23:32*	*1*
Nitrobenzene-d5 (Surr)	*59*		*15 - 136*	*06/23/25 10:24*	*06/24/25 23:32*	*1*

Lab Sample ID: LCS 400-713723/2-A
Matrix: Solid
Analysis Batch: 713984

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 713723

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	2.00	1.580		mg/Kg		79	47 - 100
2,4,5-Trichlorophenol	2.00	1.856		mg/Kg		93	50 - 118
2,4,6-Trichlorophenol	2.00	1.732		mg/Kg		87	49 - 115
2,4-Dichlorophenol	2.00	1.644		mg/Kg		82	53 - 120
2,4-Dimethylphenol	2.00	1.654		mg/Kg		83	45 - 108
2,4-Dinitrophenol	4.00	3.503		mg/Kg		88	10 - 138
2,4-Dinitrotoluene	2.00	1.717		mg/Kg		86	53 - 133
2-Chlorophenol	2.00	1.305		mg/Kg		65	50 - 102
2-Chloronaphthalene	2.00	1.520		mg/Kg		76	48 - 102
2-Methylnaphthalene	2.00	1.599		mg/Kg		80	39 - 112
2-Methylphenol	2.00	1.535		mg/Kg		77	49 - 111
2-Nitroaniline	2.00	1.734		mg/Kg		87	46 - 108
2-Nitrophenol	2.00	1.502		mg/Kg		75	53 - 120
3 & 4 Methylphenol	2.00	1.467		mg/Kg		73	47 - 123
3,3'-Dichlorobenzidine	2.67	2.589		mg/Kg		97	42 - 120
3-Nitroaniline	2.00	2.427	*+	mg/Kg		121	28 - 119
4,6-Dinitro-2-methylphenol	4.00	3.355		mg/Kg		84	35 - 135
4-Bromophenyl phenyl ether	2.00	1.734		mg/Kg		87	51 - 120
4-Chloro-3-methylphenol	2.00	1.475		mg/Kg		74	57 - 124
4-Chloroaniline	2.00	1.547		mg/Kg		77	26 - 102
4-Chlorophenyl phenyl ether	2.00	1.983		mg/Kg		99	53 - 113
4-Nitroaniline	2.00	1.837		mg/Kg		92	32 - 131
Acenaphthene	2.00	1.763		mg/Kg		88	46 - 112
Acenaphthylene	2.00	1.556		mg/Kg		78	41 - 116
Acetophenone	2.00	1.360		mg/Kg		68	43 - 100
Anthracene	2.00	1.763		mg/Kg		88	43 - 120
Benzo[a]anthracene	2.00	1.723		mg/Kg		86	45 - 122
Benzo[a]pyrene	2.00	1.908		mg/Kg		95	40 - 121
Benzo[b]fluoranthene	2.00	1.943		mg/Kg		97	37 - 116
Benzo[g,h,i]perylene	2.00	1.805		mg/Kg		90	34 - 120
Benzo[k]fluoranthene	2.00	1.779		mg/Kg		89	35 - 133
Bis(2-chloroethoxy)methane	2.00	1.002		mg/Kg		50	33 - 100
Bis(2-chloroethyl)ether	2.00	0.9022		mg/Kg		45	28 - 120
Bis(2-ethylhexyl) phthalate	2.00	1.624		mg/Kg		81	40 - 150
Chrysene	2.00	1.746		mg/Kg		87	42 - 132
Dibenz(a,h)anthracene	2.00	1.922		mg/Kg		96	36 - 127
Dibenzofuran	2.00	1.809		mg/Kg		90	54 - 105
Di-n-butyl phthalate	2.00	1.783		mg/Kg		89	40 - 122

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

Lab Sample ID: LCS 400-713723/2-A
Matrix: Solid
Analysis Batch: 713984

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 713723

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diethyl phthalate	2.00	2.071		mg/Kg		104	40 - 128
Dimethyl phthalate	2.00	1.798		mg/Kg		90	58 - 120
Di-n-octyl phthalate	2.00	1.566		mg/Kg		78	40 - 137
Fluoranthene	2.00	2.316		mg/Kg		116	42 - 124
Fluorene	2.00	1.967		mg/Kg		98	45 - 116
Hexachlorobenzene	2.00	2.116		mg/Kg		106	49 - 127
Hexachlorobutadiene	2.00	1.823		mg/Kg		91	43 - 120
Hexachlorocyclopentadiene	2.00	1.847		mg/Kg		92	10 - 140
Hexachloroethane	2.00	1.209		mg/Kg		60	45 - 120
Indeno[1,2,3-cd]pyrene	2.00	1.851		mg/Kg		93	40 - 117
Isophorone	2.00	1.161		mg/Kg		58	36 - 120
Naphthalene	2.00	1.436		mg/Kg		72	40 - 106
Nitrobenzene	2.00	1.277		mg/Kg		64	40 - 120
N-Nitrosodiphenylamine	1.98	1.512		mg/Kg		76	54 - 120
N-Nitrosodi-n-propylamine	2.00	1.101		mg/Kg		55	39 - 120
Pentachlorophenol	4.00	3.535		mg/Kg		88	32 - 131
Phenanthrene	2.00	1.756		mg/Kg		88	47 - 111
Phenol	2.00	1.145		mg/Kg		57	40 - 120
Pyrene	2.00	1.356		mg/Kg		68	41 - 124
Butyl benzyl phthalate	2.00	1.247		mg/Kg		62	50 - 126
bis (2-chloroisopropyl) ether	2.00	0.7088		mg/Kg		35	18 - 105
Carbazole	2.00	1.932		mg/Kg		97	36 - 132
2,6-Dinitrotoluene	2.00	1.685		mg/Kg		84	51 - 114
4-Nitrophenol	4.00	5.411		mg/Kg		135	35 - 139
Atrazine	2.00	1.371		mg/Kg		69	44 - 120
Benzaldehyde	2.00	1.604		mg/Kg		80	20 - 120
Caprolactam	2.00	1.148		mg/Kg		57	43 - 111

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*128*		*10 - 150*
2-Fluorobiphenyl (Surr)	*81*		*27 - 127*
2-Fluorophenol (Surr)	*50*		*25 - 128*
Terphenyl-d14 (Surr)	*75*		*24 - 146*
Phenol-d5 (Surr)	*49*		*29 - 130*
Nitrobenzene-d5 (Surr)	*72*		*15 - 136*

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

Lab Sample ID: MB 400-713741/1-A
Matrix: Solid
Analysis Batch: 713928

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 713741

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.00120	0.00120	mg/Kg		06/23/25 12:03	06/25/25 01:10	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*53*		*10 - 150*	*06/23/25 12:03*	*06/25/25 01:10*	*1*

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

Lab Sample ID: LCS 400-713741/2-A
Matrix: Solid
Analysis Batch: 713928

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 713741

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane			0.267	0.2432		mg/Kg		91	50 - 150		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Dioxane-d8	*66*		*10 - 150*

Lab Sample ID: 400-277472-1 MS
Matrix: Solid
Analysis Batch: 713928

Client Sample ID: SD-1
Prep Type: Total/NA
Prep Batch: 713741

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane	0.00952		0.345	0.3044		mg/Kg	☼	86	50 - 150		

Isotope Dilution	*MS %Recovery*	*MS Qualifier*	*Limits*
1,4-Dioxane-d8	*53*		*10 - 150*

Lab Sample ID: 400-277472-1 MSD
Matrix: Solid
Analysis Batch: 713928

Client Sample ID: SD-1
Prep Type: Total/NA
Prep Batch: 713741

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	0.00952		0.348	0.3233		mg/Kg	☼	90	50 - 150	6	50

Isotope Dilution	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,4-Dioxane-d8	*60*		*10 - 150*

Method: 7199 - Chromium, Hexavalent (IC)

Lab Sample ID: MB 410-664280/1-A
Matrix: Solid
Analysis Batch: 665076

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 664280

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND		0.600	0.400	mg/Kg		06/27/25 21:07	07/01/25 08:14	1

Lab Sample ID: LCS 410-664280/2-A
Matrix: Solid
Analysis Batch: 665076

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 664280

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chromium, hexavalent			5.00	5.274		mg/Kg		106	80 - 120		

Lab Sample ID: LCSI 410-664280/3-A
Matrix: Solid
Analysis Batch: 665076

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 664280

Analyte			Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec Limits		
Chromium, hexavalent			656	556.4		mg/Kg		85	80 - 120		

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 400-713018/1-A
Matrix: Solid
Analysis Batch: 713106

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		1.99	0.657	mg/Kg			06/17/25 18:28	1

Lab Sample ID: LCS 400-713018/2-A
Matrix: Solid
Analysis Batch: 713106

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	22.12		mg/Kg		98	80 - 120

Lab Sample ID: MB 400-713018/1-A
Matrix: Solid
Analysis Batch: 713108

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		19.9	7.27	mg/Kg			06/17/25 18:28	1

Lab Sample ID: LCS 400-713018/2-A
Matrix: Solid
Analysis Batch: 713108

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	100	93.37		mg/Kg		93	80 - 120

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 705-62516/1-A ^5
Matrix: Solid
Analysis Batch: 63785

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 62516

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.250	0.00290	mg/Kg		06/19/25 10:18	06/25/25 00:18	5
Arsenic	ND		0.600	0.0535	mg/Kg		06/19/25 10:18	06/25/25 00:18	5
Chromium	ND		1.00	0.206	mg/Kg		06/19/25 10:18	06/25/25 00:18	5
Copper	0.05386	J	0.500	0.0520	mg/Kg		06/19/25 10:18	06/25/25 00:18	5
Cadmium	ND		0.500	0.0163	mg/Kg		06/19/25 10:18	06/25/25 00:18	5
Cobalt	ND		0.750	0.0283	mg/Kg		06/19/25 10:18	06/25/25 00:18	5
Barium	0.03328	J	2.50	0.0142	mg/Kg		06/19/25 10:18	06/25/25 00:18	5
Beryllium	ND		0.500	0.0351	mg/Kg		06/19/25 10:18	06/25/25 00:18	5
Manganese	ND		1.00	0.0615	mg/Kg		06/19/25 10:18	06/25/25 00:18	5
Nickel	ND		1.00	0.0262	mg/Kg		06/19/25 10:18	06/25/25 00:18	5
Lead	ND		0.500	0.0590	mg/Kg		06/19/25 10:18	06/25/25 00:18	5
Antimony	ND		1.00	0.229	mg/Kg		06/19/25 10:18	06/25/25 00:18	5
Selenium	ND		2.50	0.178	mg/Kg		06/19/25 10:18	06/25/25 00:18	5
Thallium	ND		0.700	0.0422	mg/Kg		06/19/25 10:18	06/25/25 00:18	5
Vanadium	ND		1.00	0.126	mg/Kg		06/19/25 10:18	06/25/25 00:18	5
Zinc	ND		2.50	2.08	mg/Kg		06/19/25 10:18	06/25/25 00:18	5

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

Lab Sample ID: LCS 705-62516/2-A ^5
Matrix: Solid
Analysis Batch: 63785

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 62516

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Silver			1.00	1.117		mg/Kg		112	80 - 120		
Arsenic			10.0	10.45		mg/Kg		104	80 - 120		
Chromium			10.0	9.651		mg/Kg		97	80 - 120		
Copper			10.0	10.13		mg/Kg		101	80 - 120		
Cadmium			10.0	10.58		mg/Kg		106	80 - 120		
Cobalt			10.0	10.98		mg/Kg		110	80 - 120		
Barium			10.0	10.55		mg/Kg		105	80 - 120		
Beryllium			10.0	10.31		mg/Kg		103	80 - 120		
Manganese			10.0	10.51		mg/Kg		105	80 - 120		
Nickel			10.0	10.03		mg/Kg		100	80 - 120		
Lead			10.0	11.03		mg/Kg		110	80 - 120		
Antimony			10.0	10.13		mg/Kg		101	80 - 120		
Selenium			10.0	9.636		mg/Kg		96	80 - 120		
Thallium			10.0	11.00		mg/Kg		110	80 - 120		
Vanadium			10.0	9.504		mg/Kg		95	80 - 120		
Zinc			10.0	9.837		mg/Kg		98	80 - 120		

Method: 7473 - Mercury (AAS)

Lab Sample ID: MB 705-63364/5
Matrix: Solid
Analysis Batch: 63364

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.100	0.0418	mg/Kg			06/23/25 07:45	1

Lab Sample ID: LCS 705-63364/6
Matrix: Solid
Analysis Batch: 63364

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			1.00	0.9584		mg/Kg		96	80 - 120		

Lab Sample ID: 400-277472-1 MS
Matrix: Solid
Analysis Batch: 63364

Client Sample ID: SD-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	ND		1.15	1.075		mg/Kg	☼	93	80 - 120		

Lab Sample ID: 400-277472-1 MSD
Matrix: Solid
Analysis Batch: 63364

Client Sample ID: SD-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		1.15	1.045		mg/Kg	☼	91	80 - 120	3	20

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MRL 400-713766/19
Matrix: Solid
Analysis Batch: 713766

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	0.03400	J	mg/L		68	50 - 150		

Lab Sample ID: MB 400-713522/1-A
Matrix: Solid
Analysis Batch: 713766

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		0.994	0.318	mg/Kg			06/23/25 10:10	1

Lab Sample ID: LCS 400-713522/2-A
Matrix: Solid
Analysis Batch: 713766

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ammonia (as N)			58.4	58.11		mg/Kg		100	90 - 110		

Lab Sample ID: 400-277472-1 MS
Matrix: Solid
Analysis Batch: 713766

Client Sample ID: SD-1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Ammonia (as N)	ND		19.1	18.10		mg/Kg	☼	95	90 - 110		

Lab Sample ID: 400-277472-1 MSD
Matrix: Solid
Analysis Batch: 713766

Client Sample ID: SD-1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia (as N)	ND		19.1	18.38		mg/Kg	☼	96	90 - 110	2	11

Lab Chronicle

Client: S&ME Inc
Project/Site: Southside Park LF

Job ID: 400-277472-1

Client Sample ID: SD-1
Date Collected: 06/10/25 14:15
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277472-1
Matrix: Solid

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			712785	06/14/25 08:26	AJB	EET PEN

Client Sample ID: SD-1
Date Collected: 06/10/25 14:15
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277472-1
Matrix: Solid
Percent Solids: 76.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.913 g	5.00 mL	713379	06/19/25 11:10	RSG	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	713320	06/19/25 22:05	CAR	EET PEN
Total/NA	Prep	3546			15.04 g	1 mL	713723	06/23/25 10:25	AP	EET PEN
Total/NA	Analysis	8270E		5	0.4 mL	0.4 mL	713984	06/25/25 12:48	S1B	EET PEN
Total/NA	Prep	3546			15.04 g	1 mL	713723	06/23/25 10:25	AP	EET PEN
Total/NA	Analysis	8270E		5	0.4 mL	0.4 mL	714244	06/26/25 15:39	S1B	EET PEN
Total/NA	Prep	3546			15.20 g	1 mL	713741	06/23/25 12:03	AP	EET PEN
Total/NA	Analysis	8270E SIM ID		5	0.4 mL	0.4 mL	713928	06/25/25 02:38	VC1	EET PEN
Total/NA	Prep	3060A			2.43 g	100 mL	664280	06/27/25 21:07	PQ9E	ELLE
							Completed:	06/28/25 02:00 [1]		
Total/NA	Analysis	7199		1	1 mL	1 mL	665076	07/01/25 12:20	L4QM	ELLE
Soluble	Leach	DI Leach			2.516 g	50 mL	713018	06/17/25 10:41	AMM	EET PEN
Soluble	Analysis	9056A		1			713106	06/17/25 19:11	AMM	EET PEN
Soluble	Leach	DI Leach			2.516 g	50 mL	713018	06/17/25 10:41	AMM	EET PEN
Soluble	Analysis	9056A		1			713108	06/17/25 19:11	AMM	EET PEN
Total/NA	Prep	3050B			1.9853 g	50 mL	62516	06/19/25 10:18	SA	EET ATL
Total/NA	Analysis	6020B		5			63785	06/25/25 00:37	IF	EET ATL
Total/NA	Prep	3050B			1.9853 g	50 mL	62516	06/19/25 10:18	SA	EET ATL
Total/NA	Analysis	6020B		50			64016	06/25/25 17:24	IF	EET ATL
Total/NA	Analysis	7473		1			63364	06/23/25 08:20	GR	EET ATL
Soluble	Leach	DI Leach			5.18 g	100 mL	713522	06/20/25 11:03	CAC	EET PEN
Soluble	Analysis	350.1		1	10 mL	10 mL	713766	06/23/25 10:15	CAC	EET PEN

Client Sample ID: SD-2
Date Collected: 06/10/25 15:15
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277472-2
Matrix: Solid

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			712785	06/14/25 08:26	AJB	EET PEN

Client Sample ID: SD-2
Date Collected: 06/10/25 15:15
Date Received: 06/12/25 09:40

Lab Sample ID: 400-277472-2
Matrix: Solid
Percent Solids: 71.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.589 g	5.00 mL	713379	06/19/25 11:10	RSG	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	713320	06/19/25 22:32	CAR	EET PEN

Lab Chronicle

Client: S&ME Inc
Job ID: 400-277472-1
Project/Site: Southside Park LF

Client Sample ID: SD-2
Lab Sample ID: 400-277472-2
Date Collected: 06/10/25 15:15
Matrix: Solid
Date Received: 06/12/25 09:40
Percent Solids: 71.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.48 g	1 mL	713723	06/23/25 10:25	AP	EET PEN
Total/NA	Analysis	8270E		5	0.4 mL	0.4 mL	713984	06/25/25 13:16	S1B	EET PEN
Total/NA	Prep	3546			15.48 g	1 mL	713723	06/23/25 10:25	AP	EET PEN
Total/NA	Analysis	8270E		5	0.4 mL	0.4 mL	714244	06/26/25 16:01	S1B	EET PEN
Total/NA	Prep	3546			15.06 g	1 mL	713741	06/23/25 12:03	AP	EET PEN
Total/NA	Analysis	8270E SIM ID		5	0.4 mL	0.4 mL	713928	06/25/25 03:00	VC1	EET PEN
Total/NA	Prep	3060A			2.42 g	100 mL	664280	06/27/25 21:07	PQ9E	ELLE
							Completed:	06/28/25 02:00 [1]		
Total/NA	Analysis	7199		1	1 mL	1 mL	665076	07/01/25 13:20	L4QM	ELLE
Soluble	Leach	DI Leach			2.500 g	50 mL	713018	06/17/25 10:41	AMM	EET PEN
Soluble	Analysis	9056A		1			713106	06/17/25 19:19	AMM	EET PEN
Soluble	Leach	DI Leach			2.500 g	50 mL	713018	06/17/25 10:41	AMM	EET PEN
Soluble	Analysis	9056A		1			713108	06/17/25 19:19	AMM	EET PEN
Total/NA	Prep	3050B			1.9855 g	50 mL	62516	06/19/25 10:18	SA	EET ATL
Total/NA	Analysis	6020B		5			63785	06/25/25 00:40	IF	EET ATL
Total/NA	Prep	3050B			1.9855 g	50 mL	62516	06/19/25 10:18	SA	EET ATL
Total/NA	Analysis	6020B		50			64016	06/25/25 17:27	IF	EET ATL
Total/NA	Analysis	7473		1			63364	06/23/25 08:47	GR	EET ATL
Soluble	Leach	DI Leach			5.16 g	100 mL	713522	06/20/25 11:03	CAC	EET PEN
Soluble	Analysis	350.1		1	10 mL	10 mL	713766	06/23/25 10:22	CAC	EET PEN

Client Sample ID: SD-3
Lab Sample ID: 400-277472-3
Date Collected: 06/10/25 15:45
Matrix: Solid
Date Received: 06/12/25 09:40

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			712785	06/14/25 08:26	AJB	EET PEN

Client Sample ID: SD-3
Lab Sample ID: 400-277472-3
Date Collected: 06/10/25 15:45
Matrix: Solid
Date Received: 06/12/25 09:40
Percent Solids: 79.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.954 g	5.00 mL	713566	06/20/25 12:06	BPO	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	713502	06/20/25 17:09	BPO	EET PEN
Total/NA	Prep	3546			15.53 g	1 mL	713723	06/23/25 10:25	AP	EET PEN
Total/NA	Analysis	8270E		5	0.4 mL	0.4 mL	713984	06/25/25 13:45	S1B	EET PEN
Total/NA	Prep	3546			15.09 g	1 mL	713741	06/23/25 12:03	AP	EET PEN
Total/NA	Analysis	8270E SIM ID		5	0.4 mL	0.4 mL	713928	06/25/25 03:23	VC1	EET PEN
Total/NA	Prep	3060A			2.48 g	100 mL	664280	06/27/25 21:07	PQ9E	ELLE
							Completed:	06/28/25 02:00 [1]		
Total/NA	Analysis	7199		1	1 mL	1 mL	665076	07/01/25 13:45	L4QM	ELLE
Soluble	Leach	DI Leach			2.515 g	50 mL	713018	06/17/25 10:41	AMM	EET PEN
Soluble	Analysis	9056A		1			713106	06/17/25 19:28	AMM	EET PEN

Lab Chronicle

Client: S&ME Inc
Job ID: 400-277472-1
Project/Site: Southside Park LF

Client Sample ID: SD-3
Lab Sample ID: 400-277472-3
Date Collected: 06/10/25 15:45
Matrix: Solid
Date Received: 06/12/25 09:40
Percent Solids: 79.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			2.515 g	50 mL	713018	06/17/25 10:41	AMM	EET PEN
Soluble	Analysis	9056A		1			713108	06/17/25 19:28	AMM	EET PEN
Total/NA	Prep	3050B			1.9862 g	50 mL	62516	06/19/25 10:18	SA	EET ATL
Total/NA	Analysis	6020B		5			63785	06/25/25 01:02	IF	EET ATL
Total/NA	Prep	3050B			1.9862 g	50 mL	62516	06/19/25 10:18	SA	EET ATL
Total/NA	Analysis	6020B		50			64016	06/25/25 17:29	IF	EET ATL
Total/NA	Analysis	7473		1			63364	06/23/25 08:55	GR	EET ATL
Soluble	Leach	DI Leach			5.07 g	100 mL	713522	06/20/25 11:03	CAC	EET PEN
Soluble	Analysis	350.1		1	10 mL	10 mL	713766	06/23/25 10:25	CAC	EET PEN

Client Sample ID: SD-4
Lab Sample ID: 400-277472-4
Date Collected: 06/10/25 16:15
Matrix: Solid
Date Received: 06/12/25 09:40

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			712785	06/14/25 08:26	AJB	EET PEN

Client Sample ID: SD-4
Lab Sample ID: 400-277472-4
Date Collected: 06/10/25 16:15
Matrix: Solid
Date Received: 06/12/25 09:40
Percent Solids: 67.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10.222 g	5.00 mL	713566	06/20/25 12:06	BPO	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	713502	06/20/25 17:34	BPO	EET PEN
Total/NA	Prep	3546			15.50 g	1 mL	713723	06/23/25 10:25	AP	EET PEN
Total/NA	Analysis	8270E		5	0.4 mL	0.4 mL	713984	06/25/25 14:13	S1B	EET PEN
Total/NA	Prep	3546			15.03 g	1 mL	713741	06/23/25 12:03	AP	EET PEN
Total/NA	Analysis	8270E SIM ID		5	0.4 mL	0.4 mL	713928	06/25/25 03:45	VC1	EET PEN
Total/NA	Prep	3060A			2.44 g	100 mL	664280	06/27/25 21:07	PQ9E	ELLE
							Completed:	06/28/25 02:00 [1]		
Total/NA	Analysis	7199		1	1 mL	1 mL	665076	07/01/25 14:02	L4QM	ELLE
Soluble	Leach	DI Leach			2.514 g	50 mL	713018	06/17/25 10:41	AMM	EET PEN
Soluble	Analysis	9056A		1			713106	06/17/25 19:36	AMM	EET PEN
Soluble	Leach	DI Leach			2.514 g	50 mL	713018	06/17/25 10:41	AMM	EET PEN
Soluble	Analysis	9056A		1			713108	06/17/25 19:36	AMM	EET PEN
Total/NA	Prep	3050B			1.9762 g	50 mL	62516	06/19/25 10:18	SA	EET ATL
Total/NA	Analysis	6020B		5			63785	06/25/25 01:04	IF	EET ATL
Total/NA	Prep	3050B			1.9762 g	50 mL	62516	06/19/25 10:18	SA	EET ATL
Total/NA	Analysis	6020B		50			64866	06/30/25 13:55	IF	EET ATL
Total/NA	Analysis	7473		1			63364	06/23/25 09:03	GR	EET ATL
Soluble	Leach	DI Leach			5.16 g	100 mL	713522	06/20/25 11:03	CAC	EET PEN
Soluble	Analysis	350.1		1	10 mL	10 mL	713766	06/23/25 10:28	CAC	EET PEN

Lab Chronicle

Client: S&ME Inc
Job ID: 400-277472-1
Project/Site: Southside Park LF

Client Sample ID: SD-5
Lab Sample ID: 400-277472-5
Date Collected: 06/10/25 16:40
Matrix: Solid
Date Received: 06/12/25 09:40

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			712785	06/14/25 08:26	AJB	EET PEN

Client Sample ID: SD-5
Lab Sample ID: 400-277472-5
Date Collected: 06/10/25 16:40
Matrix: Solid
Date Received: 06/12/25 09:40
Percent Solids: 71.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.313 g	5.00 mL	713566	06/20/25 12:06	BPO	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	713502	06/20/25 17:58	BPO	EET PEN
Total/NA	Prep	3546			15.54 g	1 mL	713723	06/23/25 10:25	AP	EET PEN
Total/NA	Analysis	8270E		5	0.4 mL	0.4 mL	713984	06/25/25 14:42	S1B	EET PEN
Total/NA	Prep	3546			15.59 g	1 mL	713741	06/23/25 12:03	AP	EET PEN
Total/NA	Analysis	8270E SIM ID		5	0.4 mL	0.4 mL	713928	06/25/25 04:07	VC1	EET PEN
Total/NA	Prep	3060A			2.49 g	100 mL	664280	06/27/25 21:07	PQ9E	ELLE
							Completed:	06/28/25 02:00 [1]		
Total/NA	Analysis	7199		1	1 mL	1 mL	665076	07/01/25 14:36	L4QM	ELLE
Soluble	Leach	DI Leach			2.516 g	50 mL	713018	06/17/25 10:41	AMM	EET PEN
Soluble	Analysis	9056A		1			713106	06/17/25 19:45	AMM	EET PEN
Soluble	Leach	DI Leach			2.516 g	50 mL	713018	06/17/25 10:41	AMM	EET PEN
Soluble	Analysis	9056A		1			713108	06/17/25 19:45	AMM	EET PEN
Total/NA	Prep	3050B			1.9271 g	50 mL	62516	06/19/25 10:18	SA	EET ATL
Total/NA	Analysis	6020B		5			63785	06/25/25 01:07	IF	EET ATL
Total/NA	Prep	3050B			1.9271 g	50 mL	62516	06/19/25 10:18	SA	EET ATL
Total/NA	Analysis	6020B		50			64016	06/25/25 17:52	IF	EET ATL
Total/NA	Analysis	7473		1			63364	06/23/25 09:11	GR	EET ATL
Soluble	Leach	DI Leach			5.04 g	100 mL	713522	06/20/25 11:03	CAC	EET PEN
Soluble	Analysis	350.1		1	10 mL	10 mL	713766	06/23/25 10:30	CAC	EET PEN

Client Sample ID: DUP-6102025-SD
Lab Sample ID: 400-277472-6
Date Collected: 06/10/25 00:00
Matrix: Solid
Date Received: 06/12/25 09:40

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			712785	06/14/25 08:26	AJB	EET PEN

Client Sample ID: DUP-6102025-SD
Lab Sample ID: 400-277472-6
Date Collected: 06/10/25 00:00
Matrix: Solid
Date Received: 06/12/25 09:40
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			6.905 g	5.00 mL	713566	06/20/25 12:06	BPO	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	713502	06/20/25 18:22	BPO	EET PEN
Total/NA	Prep	3546			15.16 g	1 mL	713723	06/23/25 10:25	AP	EET PEN
Total/NA	Analysis	8270E		5	0.4 mL	0.4 mL	713984	06/25/25 15:10	S1B	EET PEN

Lab Chronicle

Client: S&ME Inc
Job ID: 400-277472-1
Project/Site: Southside Park LF

Client Sample ID: DUP-6102025-SD
Lab Sample ID: 400-277472-6
Date Collected: 06/10/25 00:00
Matrix: Solid
Date Received: 06/12/25 09:40
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	3546			15.16 g	1 mL	713723	06/23/25 10:25	AP	EET PEN
Total/NA	Analysis	8270E		5	0.4 mL	0.4 mL	714244	06/26/25 16:25	S1B	EET PEN
Total/NA	Prep	3546			15.15 g	1 mL	713741	06/23/25 12:03	AP	EET PEN
Total/NA	Analysis	8270E SIM ID		5	0.4 mL	0.4 mL	713928	06/25/25 04:29	VC1	EET PEN
Total/NA	Prep	3060A			2.46 g	100 mL	664280	06/27/25 21:07	PQ9E	ELLE
							Completed:	06/28/25 02:00 [1]		
Total/NA	Analysis	7199		1	1 mL	1 mL	665076	07/01/25 14:53	L4QM	ELLE
Soluble	Leach	DI Leach			2.509 g	50 mL	713018	06/17/25 10:41	AMM	EET PEN
Soluble	Analysis	9056A		1			713106	06/17/25 20:11	AMM	EET PEN
Soluble	Leach	DI Leach			2.509 g	50 mL	713018	06/17/25 10:41	AMM	EET PEN
Soluble	Analysis	9056A		1			713108	06/17/25 20:11	AMM	EET PEN
Total/NA	Prep	3050B			1.9870 g	50 mL	62516	06/19/25 10:18	SA	EET ATL
Total/NA	Analysis	6020B		5			63785	06/25/25 01:10	IF	EET ATL
Total/NA	Prep	3050B			1.9870 g	50 mL	62516	06/19/25 10:18	SA	EET ATL
Total/NA	Analysis	6020B		50			64016	06/25/25 18:02	IF	EET ATL
Total/NA	Analysis	7473		1			63364	06/23/25 09:20	GR	EET ATL
Soluble	Leach	DI Leach			5.29 g	100 mL	713522	06/20/25 11:03	CAC	EET PEN
Soluble	Analysis	350.1		1	10 mL	10 mL	713766	06/23/25 10:33	CAC	EET PEN

Client Sample ID: TRIP BLANK
Lab Sample ID: 400-277472-7
Date Collected: 06/10/25 00:00
Matrix: Water
Date Received: 06/12/25 09:40

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	713471	06/20/25 14:13	WPD	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-713018/1-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			2.511 g	50 mL	713018	06/17/25 10:41	AMM	EET PEN
Soluble	Analysis	9056A		1			713106	06/17/25 18:28	AMM	EET PEN
Soluble	Leach	DI Leach			2.511 g	50 mL	713018	06/17/25 10:41	AMM	EET PEN
Soluble	Analysis	9056A		1			713108	06/17/25 18:28	AMM	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-713379/8-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	713379	06/19/25 11:10	RSG	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	713320	06/19/25 12:32	CAR	EET PEN

Lab Chronicle

Client: S&ME Inc
Project/Site: Southside Park LF

Job ID: 400-277472-1

Client Sample ID: Method Blank
Lab Sample ID: MB 400-713471/5
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	713471	06/20/25 08:15	WPD	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-713522/1-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			5.03 g	100 mL	713522	06/20/25 11:03	CAC	EET PEN
Soluble	Analysis	350.1		1	10 mL	10 mL	713766	06/23/25 10:10	CAC	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-713566/2-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	713566	06/20/25 12:06	BPO	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	713502	06/20/25 13:05	BPO	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-713723/1-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	713723	06/23/25 10:24	AP	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	713926	06/24/25 23:32	S1B	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-713741/1-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	713741	06/23/25 12:03	AP	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	713928	06/25/25 01:10	VC1	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 410-664280/1-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	3060A			2.50 g	100 mL	664280	06/27/25 21:07	PQ9E	ELLE
							Completed:	06/28/25 02:00 [1]		
Total/NA	Analysis	7199		1	1 mL	1 mL	665076	07/01/25 08:14	L4QM	ELLE

Client Sample ID: Method Blank
Lab Sample ID: MB 705-62516/1-A ^5
Date Collected: N/A
Matrix: Solid
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1 g	50 mL	62516	06/19/25 10:18	SA	EET ATL
Total/NA	Analysis	6020B		5			63785	06/25/25 00:18	IF	EET ATL

Client Sample ID: Method Blank
Lab Sample ID: MB 705-63364/5
Date Collected: N/A
Matrix: Solid
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7473		1			63364	06/23/25 07:45	GR	EET ATL

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-713018/2-A
Date Collected: N/A
Matrix: Solid
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			2.501 g	50 mL	713018	06/17/25 10:41	AMM	EET PEN
Soluble	Analysis	9056A		1			713106	06/17/25 18:37	AMM	EET PEN
Soluble	Leach	DI Leach			2.501 g	50 mL	713018	06/17/25 10:41	AMM	EET PEN
Soluble	Analysis	9056A		1			713108	06/17/25 18:37	AMM	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-713379/9-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	713379	06/19/25 11:10	RSG	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	713320	06/19/25 11:14	CAR	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-713471/1002
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	713471	06/20/25 07:24	WPD	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-713522/2-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			5.12 g	100 mL	713522	06/20/25 11:03	CAC	EET PEN
Soluble	Analysis	350.1		1	10 mL	10 mL	713766	06/23/25 10:12	CAC	EET PEN

Lab Chronicle

Client: S&ME Inc
Job ID: 400-277472-1
Project/Site: Southside Park LF

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-713566/1-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	713566	06/20/25 12:06	BPO	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	713502	06/20/25 12:06	BPO	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-713723/2-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	713723	06/23/25 10:24	AP	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	713984	06/25/25 10:01	S1B	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-713741/2-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	713741	06/23/25 12:03	AP	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	713928	06/25/25 01:32	VC1	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 410-664280/2-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	3060A			2.50 g	100 mL	664280	06/27/25 21:07	PQ9E	ELLE
							Completed:	06/28/25 02:00 [1]		
Total/NA	Analysis	7199		1	1 mL	1 mL	665076	07/01/25 08:39	L4QM	ELLE

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 705-62516/2-A ^5
Date Collected: N/A
Matrix: Solid
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1 g	50 mL	62516	06/19/25 10:18	SA	EET ATL
Total/NA	Analysis	6020B		5			63785	06/25/25 00:21	IF	EET ATL

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 705-63364/6
Date Collected: N/A
Matrix: Solid
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7473		1			63364	06/23/25 08:11	GR	EET ATL

Lab Chronicle

Client: S&ME Inc
Job ID: 400-277472-1
Project/Site: Southside Park LF

Client Sample ID: Lab Control Sample
Lab Sample ID: LCSI 410-664280/3-A
Date Collected: N/A
Matrix: Solid
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3060A			2.50 g	100 mL	664280	06/27/25 21:07	PQ9E	ELLE
							Completed:	06/28/25 02:00 [1]		
Total/NA	Analysis	7199		100	1 mL	1 mL	665076	07/01/25 08:48	L4QM	ELLE

Client Sample ID: Lab Control Sample
Lab Sample ID: MRL 400-713766/19
Date Collected: N/A
Matrix: Solid
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	350.1		1	100 mL	100 mL	713766	06/23/25 09:56	CAC	EET PEN

Client Sample ID: SD-1
Lab Sample ID: 400-277472-1 MS
Date Collected: 06/10/25 14:15
Matrix: Solid
Date Received: 06/12/25 09:40
Percent Solids: 76.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.24 g	1 mL	713741	06/23/25 12:03	AP	EET PEN
Total/NA	Analysis	8270E SIM ID		5	0.4 mL	0.4 mL	713928	06/25/25 01:54	VC1	EET PEN
Total/NA	Analysis	7473		1			63364	06/23/25 08:30	GR	EET ATL
Soluble	Leach	DI Leach			5.14 g	100 mL	713522	06/20/25 11:03	CAC	EET PEN
Soluble	Analysis	350.1		1	10 mL	10 mL	713766	06/23/25 10:17	CAC	EET PEN

Client Sample ID: SD-1
Lab Sample ID: 400-277472-1 MSD
Date Collected: 06/10/25 14:15
Matrix: Solid
Date Received: 06/12/25 09:40
Percent Solids: 76.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.10 g	1 mL	713741	06/23/25 12:03	AP	EET PEN
Total/NA	Analysis	8270E SIM ID		5	0.4 mL	0.4 mL	713928	06/25/25 02:16	VC1	EET PEN
Total/NA	Analysis	7473		1			63364	06/23/25 08:38	GR	EET ATL
Soluble	Leach	DI Leach			5.14 g	100 mL	713522	06/20/25 11:03	CAC	EET PEN
Soluble	Analysis	350.1		1	10 mL	10 mL	713766	06/23/25 10:20	CAC	EET PEN

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

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

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Method Summary

Client: S&ME Inc
Project/Site: Southside Park LF

Job ID: 400-277472-1

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
7199	Chromium, Hexavalent (IC)	SW846	ELLE
9056A	Anions, Ion Chromatography	SW846	EET PEN
6020B	Metals (ICP/MS)	SW846	EET ATL
7473	Mercury (AAS)	SW846	EET ATL
350.1	Nitrogen, Ammonia	EPA	EET PEN
Moisture	Percent Moisture	EPA	EET PEN
3050B	Preparation, Metals	SW846	EET ATL
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	ELLE
3546	Microwave Extraction	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN
5035	Closed System Purge and Trap	SW846	EET PEN
DI Leach	Deionized Water Leaching Procedure	ASTM	EET PEN

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: S&ME Inc
Project/Site: Southside Park LF

Job ID: 400-277472-1

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 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 Lancaster Laboratories Environment Testing, LLC

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

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	0001.01	11-30-26
A2LA	Dept. of Energy	0001.01	11-30-26
A2LA	ISO/IEC 17025	0001.01	11-30-26
Alabama	State	43200	01-31-26
Alaska	State	PA00009	06-30-26
Alaska (UST)	State	17-027	12-30-26
Arizona	State	AZ0780	03-12-26
Arkansas DEQ	State	88-00660	08-09-25
California	State	2792	01-31-26
Colorado	State	PA00009	06-30-26
Connecticut	State	PH-0746	06-30-27
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	01-31-26
Delaware (DW)	State	N/A	01-31-26
Florida	NELAP	E87997	07-01-26
Georgia (DW)	State	C048	01-31-26
Illinois	NELAP	200027	01-31-26
Iowa	State	361	03-01-26
Kansas	NELAP	E-10151	10-31-25
Kentucky (DW)	State	KY90088	12-31-25
Kentucky (UST)	State	0001.01	11-30-26
Kentucky (WW)	State	KY90088	12-31-25
Louisiana (All)	NELAP	02055	06-30-26
Maine	State	2019012	03-12-27
Maryland	State	100	06-30-26
Massachusetts	State	M-PA009	06-30-26

Accreditation/Certification Summary

Client: S&ME Inc
Project/Site: Southside Park LF

Job ID: 400-277472-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

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

Authority	Program	Identification Number	Expiration Date
Michigan	State	9930	01-31-26
Minnesota	NELAP	042-999-487	12-31-25
Mississippi	State	023	01-31-26
Missouri	State	450	01-31-28
Montana (DW)	State	0098	01-01-26
Nebraska	State	NE-OS-32-17	01-31-26
New Hampshire	NELAP	2730	01-10-26
New Jersey	NELAP	PA011	06-30-26
New York	NELAP	10670	04-01-26
North Carolina (DW)	State	42705	07-31-25
North Carolina (WW/SW)	State	521	12-31-25
North Dakota	State	R-205	01-31-24 *
Oklahoma	NELAP	9804	08-31-25
Oregon	NELAP	PA200001	09-11-25
Pennsylvania	NELAP	36-00037	01-31-26
Quebec Ministry of Environment and Fight against Climate Change	PALA	507	09-16-29
Rhode Island	State	LAO00338	12-30-25
South Carolina	State	89002	01-31-26
Tennessee	State	02838	01-31-26
Texas	NELAP	T104704194-23-46	08-31-25
USDA	US Federal Programs	525-22-298-19481	10-25-25
Vermont	State	VT - 36037	10-28-25
Virginia	NELAP	460182	06-14-26
Washington	State	C457	04-11-26
West Virginia (DW)	State	9906 C	03-31-26
West Virginia DEP	State	055	07-31-25
Wyoming	State	8TMS-L	01-31-26
Wyoming (UST)	A2LA	0001.01	11-30-26

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

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone (850) 474-1001 Phone (850) 478-2671

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Dennis Donath	Lab PM: Bechtold, Chad	Carrier Tracking No(s):	COC No: 680-167658-59303.1
Client Contact: Thomas Raymond	Phone: 704-956-6241	E-Mail: Chad.Bechtold@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: S&ME Inc	PWSID:			Job #: 215952M
Address: 3201 Spring Forest Road	Due Date Requested: ↓			
City: Raleigh	TAT Requested (days): STANDARD TAT			
State, Zip: NC, 27616	Compliance Project: Δ Yes Δ No			
Phone: 919-872-2660(Tel) 919-876-3958(Fax)	PO #: 215952			
Email: traymond@smeinc.com	WO #:			
Project Name: Southside Park LF	Project #: 68026680			
Site: Southside Park	SSOW#:			

Analysis Requested

Preservation Codes:
N - None
PL - MeOH/NaHS04
A - HCL

400-277472 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)	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	7199_ORGFM - Chromium, Hexavalent (IC)	8260D - VOC NC 02L List	Total Number	Special Instructions/Note:
			Preservation Code:			N	N	N	RL	N	N	A		
SD-1	6/10/2025	1415	G	S		X	X	X	X	X	X	X		
SD-2	6/10/2025	1515	G	S		X	X	X	X	X	X	X		
SD-3	6/10/2025	1545	G	S		X	X	X	X	X	X	X		
SD-4	6/10/2025	1615	G	S		X	X	X	X	X	X	X		
SD-5	6/10/2025	1640	G	S		X	X	X	X	X	X	X		
Dup-6102025-SD	6/10/2025	—	G	S		X	X	X	X	X	X	X		
TRIP BLANK						X	X	X	X	X	X	X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: Dennis Donath of S&ME Date: 06/10/2025 Time: 1915 Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Dennis Donath of S&ME	06/10/25 1915			6-11-25 0900	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	6-11-25 1630		VB	06/12/25 940	EEIS
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: 0.4°C IR8 3.7°

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

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Bechtold, Chad	Carrier Tracking No(s): N/A	COC No: 400-378187.1
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 Lancaster Laboratories Environm		Accreditations Required (See note): State - North Carolina (WW/SW)		Job #: 400-277472-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 6/23/2025			
City: Lancaster	TAT Requested (days): N/A			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Southside Park LF	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)	7199_ORGFM/3060A_IC Chromium, Hexavalent (IC)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
SD-1 (400-277472-1)	6/10/25	14:15 Eastern	G	Solid			X	1	
SD-2 (400-277472-2)	6/10/25	15:15 Eastern	G	Solid			X	1	
SD-3 (400-277472-3)	6/10/25	15:45 Eastern	G	Solid			X	1	
SD-4 (400-277472-4)	6/10/25	16:15 Eastern	G	Solid			X	1	
SD-5 (400-277472-5)	6/10/25	16:40 Eastern	G	Solid			X	1	
DUP-6102025-SD (400-277472-6)	6/10/25	Eastern	G	Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		6/16/25	TWEC			
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	6/17/25 1000	

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: R:5.9 C:5.9

TK

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

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Bechtold, Chad	Carrier Tracking No(s): N/A	COC No: 400-378186.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Chad.Bechtold@et.eurofinsus.com	State of Origin: North Carolina	Page: Page 1 of 1
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): State - North Carolina (WW/SW)		Job #: 400-277472-1
Address: 5102 LaRoche Avenue,	Due Date Requested: 6/20/2025			
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: Southside Park LF	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/3050B PRLF 16 Metals, Including prep	7471B/7471B_Prep Mercury	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
SD-1 (400-277472-1)	6/10/25	14:15 Eastern	G	Solid			X	X		
SD-2 (400-277472-2)	6/10/25	15:15 Eastern	G	Solid			X	X		
SD-3 (400-277472-3)	6/10/25	15:45 Eastern	G	Solid			X	X		
SD-4 (400-277472-4)	6/10/25	16:15 Eastern	G	Solid			X	X	1	
SD-5 (400-277472-5)	6/10/25	16:40 Eastern	G	Solid			X	X		
DUP-6102025-SD (400-277472-6)	6/10/25	Eastern	G	Solid			X	X		

Analysis Requested

Preservation Codes: -

Other: N/A

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:
Empty Kit Relinquished by:	Date: Time: Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	6/16/25	DW EETS		6-17-25 954	TM
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: 1.6/1.6

Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone: 912-354-7858 Fax: 912-352-0165

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: 680-801617.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Chad.Bechtold@et.eurofinsus.com	State of Origin: North Carolina	Page: Page 1 of 1
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): State - North Carolina (WW/SW)		Job #: 400-277472-1
Address: 3080 Presidential Dr, ,	Due Date Requested: 6/24/2025			
City: Atlanta	TAT Requested (days): N/A			
State, Zip: GA, 30340				
Phone: 770-457-8177(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Southside Park LF	Project #: 68026680			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B_LL/3050BPRLF 16 Metals, including prep	7473Mercury	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
SD-1 (400-277472-1)	6/10/25	14:15 Eastern	G	Solid			X	X	1	
SD-2 (400-277472-2)	6/10/25	15:15 Eastern	G	Solid			X	X	1	
SD-3 (400-277472-3)	6/10/25	15:45 Eastern	G	Solid			X	X	1	
SD-4 (400-277472-4)	6/10/25	16:15 Eastern	G	Solid			X	X	1	
SD-5 (400-277472-5)	6/10/25	16:40 Eastern	G	Solid			X	X	1	
DUP-6102025-SD (400-277472-6)	6/10/25	Eastern	G	Solid			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	6-17-25 1430	[illegible]	[signature]	6/18/25 6	
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: 2927 0.1, -0.2, -0.1

Login Sample Receipt Checklist

Client: S&ME Inc

Job Number: 400-277472-1

Login Number: 277472
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	0.4°C IR8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: S&ME Inc

Job Number: 400-277472-1

Login Number: 277472
List Number: 4
Creator: Karbievskii, Konstantin

List Source: Eurofins Atlanta
List Creation: 06/18/25 06:32 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
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.	N/A	

Login Sample Receipt Checklist

Client: S&ME Inc

Job Number: 400-277472-1

Login Number: 277472
List Number: 3
Creator: Kreider, Troy

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC
List Creation: 06/17/25 03:44 PM

Question	Answer	Comment
The cooler's custody seal is 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 acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

Appendix V– NCDEQ Risk Calculator Package

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	Southside Park Landfill
Site Address:	Remount Road, Charlotte, Mecklenburg County North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000807
Exposure Unit ID:	LFG Assessment LFG-1
Submittal Date:	7/18/2025
Prepared By:	Madison Allen
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2D**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: LFG Assessment LFG-1

Soil Gas Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

All constituents above the laboratory detection limit were input into the risk calculator.

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
28		75-15-0	Carbon Disulfide			ug/m^3	LFG-1									
290		108-90-7	Chlorobenzene			ug/m^3	LFG-1									
71		106-46-7	Dichlorobenzene, 1,4-			ug/m^3	LFG-1									
48		91-20-3	~Naphthalene			ug/m^3	LFG-1									
5.6		127-18-4	Tetrachloroethylene			ug/m^3	LFG-1									
7.3		108-88-3	Toluene			ug/m^3	LFG-1									
7.7		95-63-6	Trimethylbenzene, 1,2,4-			ug/m^3	LFG-1									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: LFG Assessment LFG-1

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-05	6.4E-01	NO
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	2.0E-06	5.1E-02	NO
	Indoor Air	NC	NC	NC

CONTAMINANT MIGRATION CALCULATORS

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

Notes:

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

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

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: LFG Assessment LFG-1

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
75-15-0	Carbon Disulfide	28	0.84	-	1.5E+02		1.2E-03
108-90-7	Chlorobenzene	290	8.7	-	1.0E+01		1.7E-01
106-46-7	Dichlorobenzene, 1,4-	71	2.13	2.6E-01	1.7E+02	**8.3E-06**	2.6E-03
91-20-3	~Naphthalene	48	1.44	8.3E-02	6.3E-01	**1.7E-05**	**4.6E-01**
127-18-4	Tetrachloroethylene	5.6	0.168	1.1E+01	8.3E+00	1.6E-08	4.0E-03
108-88-3	Toluene	7.3	0.219	-	1.0E+03		4.2E-05
95-63-6	Trimethylbenzene, 1,2,4-	7.7	0.231	-	1.3E+01		3.7E-03
					Cumulative:	2.6E-05	6.4E-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: NONCD0000807

Exposure Unit ID: LFG Assessment LFG-1

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
75-15-0	Carbon Disulfide	28	0.28	-	6.1E+02		9.1E-05
108-90-7	Chlorobenzene	290	2.9	-	4.4E+01		1.3E-02
106-46-7	Dichlorobenzene, 1,4-	71	0.71	1.1E+00	7.0E+02	6.4E-07	2.0E-04
91-20-3	~Naphthalene	48	0.48	3.6E-01	2.6E+00	**1.3E-06**	3.7E-02
127-18-4	Tetrachloroethylene	5.6	0.056	4.7E+01	3.5E+01	1.2E-09	3.2E-04
108-88-3	Toluene	7.3	0.073	-	4.4E+03		3.3E-06
95-63-6	Trimethylbenzene, 1,2,4-	7.7	0.077	-	5.3E+01		2.9E-04

Cumulative:	2.0E-06	5.1E-02

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	Southside Park Landfill
Site Address:	Remount Road, Charlotte, Mecklenburg County North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000807
Exposure Unit ID:	LFG Assessment LFG-2
Submittal Date:	7/18/2025
Prepared By:	Madison Allen
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2D**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: LFG Assessment LFG-2

Soil Gas Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

All constituents above the laboratory detection limit were input into the risk calculator. M+P-Xylenes reported together in analytical report, but separated for purpose of risk calculation.

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
1.3		71-43-2	Benzene			ug/m^3	LFG-2									
25		75-65-0	Butyl Alcohol, t-			ug/m^3	Dup-6122025-SG									
42		75-15-0	Carbon Disulfide			ug/m^3	Dup-6122025-SG									
4.8		108-90-7	Chlorobenzene			ug/m^3	Dup-6122025-SG									
1.1		74-87-3	Chloromethane			ug/m^3	LFG-2									
1.7		98-82-8	Cumene			ug/m^3	LFG-2									
1.5		110-82-7	Cyclohexane			ug/m^3	LFG-2									
3.7		106-46-7	Dichlorobenzene, 1,4-			ug/m^3	Dup-6122025-SG									
57		75-71-8	Dichlorodifluoromethane			ug/m^3	LFG-2									
2.9		100-41-4	Ethylbenzene			ug/m^3	LFG-2									
2		109-99-9	~Tetrahydrofuran			ug/m^3	Dup-6122025-SG									
11		142-82-5	Heptane, N-			ug/m^3										
11		110-54-3	Hexane, N-			ug/m^3	LFG-2									
12		78-93-3	Methyl Ethyl Ketone (2-Butanone)			ug/m^3	Dup-6122025-SG									
5		108-10-1	Methyl Isobutyl Ketone (4-methyl-2-pentanone)			ug/m^3	Dup-6122025-SG									
8.3		75-09-2	Methylene Chloride			ug/m^3	LFG-2									
16		91-20-3	~Naphthalene			ug/m^3	Dup-6122025-SG									
1.9		100-42-5	Styrene			ug/m^3	LFG-2									
9.2		127-18-4	Tetrachloroethylene			ug/m^3	Dup-6122025-SG									
3		108-88-3	Toluene			ug/m^3	Dup-6122025-SG									
2		75-69-4	Trichlorofluoromethane			ug/m^3	LFG-2									
5.6		95-63-6	Trimethylbenzene, 1,2,4-			ug/m^3	Dup-6122025-SG									
1.6		108-67-8	Trimethylbenzene, 1,3,5-			ug/m^3	LFG-2									
4.8		108-38-3	Xylene, m-			ug/m^3	LFG-2									
4.8		95-47-6	Xylene, o-			ug/m^3	LFG-2									
4.8		106-42-3	Xylene, p-			ug/m^3	LFG-2									
14		1330-20-7	Xylenes			ug/m^3	LFG-2									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: LFG Assessment LFG-2

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	6.5E-06	2.0E-01	NO
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	4.9E-07	1.6E-02	NO
	Indoor Air	NC	NC	NC

CONTAMINANT MIGRATION CALCULATORS

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

Notes:

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

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

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: LFG Assessment LFG-2

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	1.3	0.039	3.6E-01	6.3E+00	1.1E-07	1.2E-03
75-65-0	Butyl Alcohol, t-	25	0.75	-	1.0E+03		1.4E-04
75-15-0	Carbon Disulfide	42	1.26	-	1.5E+02		1.7E-03
108-90-7	Chlorobenzene	4.8	0.144	-	1.0E+01		2.8E-03
74-87-3	Chloromethane	1.1	0.033	-	1.9E+01		3.5E-04
98-82-8	Cumene	1.7	0.051	-	8.3E+01		1.2E-04
110-82-7	Cyclohexane	1.5	0.045	-	1.3E+03		7.2E-06
106-46-7	Dichlorobenzene, 1,4-	3.7	0.111	2.6E-01	1.7E+02	4.3E-07	1.3E-04
75-71-8	Dichlorodifluoromethane	57	1.71	-	2.1E+01		1.6E-02
100-41-4	Ethylbenzene	2.9	0.087	1.1E+00	2.1E+02	7.7E-08	8.3E-05
109-99-9	~Tetrahydrofuran	2	0.06	-	4.2E+02		2.9E-05
142-82-5	Heptane, N-	11	0.33	-	8.3E+01		7.9E-04
110-54-3	Hexane, N-	11	0.33	-	1.5E+02		4.5E-04
78-93-3	Methyl Ethyl Ketone (2-Butanone)	12	0.36	-	1.0E+03		6.9E-05
108-10-1	Methyl Isobutyl Ketone (4-methyl-2-pentanone)	5	0.15	-	6.3E+02		4.8E-05
75-09-2	Methylene Chloride	8.3	0.249	1.0E+02	1.3E+02	2.5E-09	4.0E-04
91-20-3	~Naphthalene	16	0.48	8.3E-02	6.3E-01	**5.8E-06**	1.5E-01
100-42-5	Styrene	1.9	0.057	-	2.1E+02		5.5E-05
127-18-4	Tetrachloroethylene	9.2	0.276	1.1E+01	8.3E+00	2.6E-08	6.6E-03
108-88-3	Toluene	3	0.09	-	1.0E+03		1.7E-05
75-69-4	Trichlorofluoromethane	2	0.06	-	-		
95-63-6	Trimethylbenzene, 1,2,4-	5.6	0.168	-	1.3E+01		2.7E-03
108-67-8	Trimethylbenzene, 1,3,5-	1.6	0.048	-	1.3E+01		7.7E-04
108-38-3	Xylene, m-	4.8	0.144	-	2.1E+01		1.4E-03
95-47-6	Xylene, o-	4.8	0.144	-	2.1E+01		1.4E-03
106-42-3	Xylene, p-	4.8	0.144	-	2.1E+01		1.4E-03
1330-20-7	Xylenes	14	0.42	-	2.1E+01		4.0E-03
					Cumulative:	6.5E-06	2.0E-01

DEQ Risk Calculator - Vapor Intrusion - Non-Residential Worker Soil Gas to Indoor Air **Output Form 3E**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: LFG Assessment LFG-2

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	1.3	0.013	1.6E+00	2.6E+01	8.3E-09	9.9E-05
75-65-0	Butyl Alcohol, t-	25	0.25	-	4.4E+03		1.1E-05
75-15-0	Carbon Disulfide	42	0.42	-	6.1E+02		1.4E-04
108-90-7	Chlorobenzene	4.8	0.048	-	4.4E+01		2.2E-04
74-87-3	Chloromethane	1.1	0.011	-	7.9E+01		2.8E-05
98-82-8	Cumene	1.7	0.017	-	3.5E+02		9.7E-06
110-82-7	Cyclohexane	1.5	0.015	-	5.3E+03		5.7E-07
106-46-7	Dichlorobenzene, 1,4-	3.7	0.037	1.1E+00	7.0E+02	3.3E-08	1.1E-05
75-71-8	Dichlorodifluoromethane	57	0.57	-	8.8E+01		1.3E-03
100-41-4	Ethylbenzene	2.9	0.029	4.9E+00	8.8E+02	5.9E-09	6.6E-06
109-99-9	~Tetrahydrofuran	2	0.02	-	1.8E+03		2.3E-06
142-82-5	Heptane, N-	11	0.11	-	3.5E+02		6.3E-05
110-54-3	Hexane, N-	11	0.11	-	6.1E+02		3.6E-05
78-93-3	Methyl Ethyl Ketone (2-Butanone)	12	0.12	-	4.4E+03		5.5E-06
108-10-1	Methyl Isobutyl Ketone (4-methyl-2-pentanone)	5	0.05	-	2.6E+03		3.8E-06
75-09-2	Methylene Chloride	8.3	0.083	1.2E+03	5.3E+02	6.8E-11	3.2E-05
91-20-3	~Naphthalene	16	0.16	3.6E-01	2.6E+00	4.4E-07	1.2E-02
100-42-5	Styrene	1.9	0.019	-	8.8E+02		4.3E-06
127-18-4	Tetrachloroethylene	9.2	0.092	4.7E+01	3.5E+01	2.0E-09	5.3E-04
108-88-3	Toluene	3	0.03	-	4.4E+03		1.4E-06
75-69-4	Trichlorofluoromethane	2	0.02	-	-		
95-63-6	Trimethylbenzene, 1,2,4-	5.6	0.056	-	5.3E+01		2.1E-04
108-67-8	Trimethylbenzene, 1,3,5-	1.6	0.016	-	5.3E+01		6.1E-05
108-38-3	Xylene, m-	4.8	0.048	-	8.8E+01		1.1E-04
95-47-6	Xylene, o-	4.8	0.048	-	8.8E+01		1.1E-04
106-42-3	Xylene, p-	4.8	0.048	-	8.8E+01		1.1E-04
1330-20-7	Xylenes	14	0.14	-	8.8E+01		3.2E-04
					Cumulative:	4.9E-07	1.6E-02

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	Southside Park Landfill
Site Address:	Remount Road, Charlotte, Mecklenburg County North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000807
Exposure Unit ID:	LFG Assessment LFG-3
Submittal Date:	7/18/2025
Prepared By:	Madison Allen
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2D**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: LFG Assessment LFG-3

Soil Gas Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

All constituents above the laboratory detection limit were input into the risk calculator

Note: Chemicals highlighted in orange are non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

Exposure Point Concentration (ug/m^3)	Notes:	CAS Number	Chemical	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening	Background Value	Screening Toxicity Value (Screening Level) (n/c)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion
19		71-43-2	Benzene			ug/m^3	LFG-3									
100		75-15-0	Carbon Disulfide			ug/m^3	LFG-3									
20		108-90-7	Chlorobenzene			ug/m^3	LFG-3									
5.3		67-66-3	Chloroform			ug/m^3	LFG-3									
0.77		74-87-3	Chloromethane			ug/m^3	LFG-3									
4.4		110-82-7	Cyclohexane			ug/m^3	LFG-3									
8.7		106-46-7	Dichlorobenzene, 1,4-			ug/m^3	DUP-6132025-SG									
21		75-71-8	Dichlorodifluoromethane			ug/m^3	LFG-3									
1.7		75-35-4	Dichloroethylene, 1,1-			ug/m^3	LFG-3									
16		156-59-2	Dichloroethylene, cis-1,2-			ug/m^3	LFG-3									
2.7		100-41-4	Ethylbenzene			ug/m^3	LFG-3									
5.4		142-82-5	Heptane, N-			ug/m^3	DUP-6132025-SG									
8.4		110-54-3	Hexane, N-			ug/m^3	DUP-6132025-SG									
15		7783-06-4	Hydrogen Sulfide			ug/m^3	LFG-3									
17		78-93-3	Methyl Ethyl Ketone (2-Butanone)			ug/m^3	DUP-6132025-SG									
3.8		75-09-2	Methylene Chloride			ug/m^3	DUP-6132025-SG									
17		91-20-3	~Naphthalene			ug/m^3	DUP-6132025-SG									
15		115-07-1	Propylene			ug/m^3	LFG-3									
40		127-18-4	Tetrachloroethylene			ug/m^3	LFG-3									
6.2		108-88-3	Toluene			ug/m^3	LFG-3									
9.2		79-01-6	Trichloroethylene			ug/m^3	DUP-6132025-SG									
3.2		95-63-6	Trimethylbenzene, 1,2,4-			ug/m^3	LFG-3									
5.4		75-01-4	Vinyl Chloride			ug/m^3	LFG-3									
9.1		1330-20-7	Xylenes			ug/m^3	LFG-3									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: LFG Assessment LFG-3

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	1.2E-05	6.9E-01	NO
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	8.3E-07	5.5E-02	NO
	Indoor Air	NC	NC	NC

CONTAMINANT MIGRATION CALCULATORS

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

Notes:

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

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

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: LFG Assessment LFG-3

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	19	0.57	3.6E-01	6.3E+00	**1.6E-06**	1.8E-02
75-15-0	Carbon Disulfide	100	3	-	1.5E+02		4.1E-03
108-90-7	Chlorobenzene	20	0.6	-	1.0E+01		1.2E-02
67-66-3	Chloroform	5.3	0.159	1.2E-01	4.1E-01	**1.3E-06**	7.8E-02
74-87-3	Chloromethane	0.77	0.0231	-	1.9E+01		2.5E-04
110-82-7	Cyclohexane	4.4	0.132	-	1.3E+03		2.1E-05
106-46-7	Dichlorobenzene, 1,4-	8.7	0.261	2.6E-01	1.7E+02	**1.0E-06**	3.1E-04
75-71-8	Dichlorodifluoromethane	21	0.63	-	2.1E+01		6.0E-03
75-35-4	Dichloroethylene, 1,1-	1.7	0.051	-	8.3E-01		1.2E-02
156-59-2	Dichloroethylene, cis-1,2-	16	0.48	-	8.3E+00		1.2E-02
100-41-4	Ethylbenzene	2.7	0.081	1.1E+00	2.1E+02	7.2E-08	7.8E-05
142-82-5	Heptane, N-	5.4	0.162	-	8.3E+01		3.9E-04
110-54-3	Hexane, N-	8.4	0.252	-	1.5E+02		3.5E-04
7783-06-4	Hydrogen Sulfide	15	0.45	-	4.2E-01		**2.2E-01**
78-93-3	Methyl Ethyl Ketone (2-Butanone)	17	0.51	-	1.0E+03		9.8E-05
75-09-2	Methylene Chloride	3.8	0.114	1.0E+02	1.3E+02	1.1E-09	1.8E-04
91-20-3	~Naphthalene	17	0.51	8.3E-02	6.3E-01	**6.2E-06**	1.6E-01
115-07-1	Propylene	15	0.45	-	6.3E+02		1.4E-04
127-18-4	Tetrachloroethylene	40	1.2	1.1E+01	8.3E+00	1.1E-07	2.9E-02
108-88-3	Toluene	6.2	0.186	-	1.0E+03		3.6E-05
79-01-6	Trichloroethylene	9.2	0.276	4.8E-01	4.2E-01	5.8E-07	1.3E-01
95-63-6	Trimethylbenzene, 1,2,4-	3.2	0.096	-	1.3E+01		1.5E-03
75-01-4	Vinyl Chloride	5.4	0.162	1.7E-01	1.1E+01	9.7E-07	3.0E-03
1330-20-7	Xylenes	9.1	0.273	-	2.1E+01		2.6E-03
					Cumulative:	1.2E-05	6.9E-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: NONCD0000807

Exposure Unit ID: LFG Assessment LFG-3

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	19	0.19	1.6E+00	2.6E+01	1.2E-07	1.4E-03
75-15-0	Carbon Disulfide	100	1	-	6.1E+02		3.3E-04
108-90-7	Chlorobenzene	20	0.2	-	4.4E+01		9.1E-04
67-66-3	Chloroform	5.3	0.053	5.3E-01	1.7E+00	9.9E-08	6.2E-03
74-87-3	Chloromethane	0.77	0.0077	-	7.9E+01		2.0E-05
110-82-7	Cyclohexane	4.4	0.044	-	5.3E+03		1.7E-06
106-46-7	Dichlorobenzene, 1,4-	8.7	0.087	1.1E+00	7.0E+02	7.8E-08	2.5E-05
75-71-8	Dichlorodifluoromethane	21	0.21	-	8.8E+01		4.8E-04
75-35-4	Dichloroethylene, 1,1-	1.7	0.017	-	3.5E+00		9.8E-04
156-59-2	Dichloroethylene, cis-1,2-	16	0.16	-	3.5E+01		9.1E-04
100-41-4	Ethylbenzene	2.7	0.027	4.9E+00	8.8E+02	5.5E-09	6.2E-06
142-82-5	Heptane, N-	5.4	0.054	-	3.5E+02		3.1E-05
110-54-3	Hexane, N-	8.4	0.084	-	6.1E+02		2.7E-05
7783-06-4	Hydrogen Sulfide	15	0.15	-	1.8E+00		1.7E-02
78-93-3	Methyl Ethyl Ketone (2-Butanone)	17	0.17	-	4.4E+03		7.8E-06
75-09-2	Methylene Chloride	3.8	0.038	1.2E+03	5.3E+02	3.1E-11	1.4E-05
91-20-3	~Naphthalene	17	0.17	3.6E-01	2.6E+00	4.7E-07	1.3E-02
115-07-1	Propylene	15	0.15	-	2.6E+03		1.1E-05
127-18-4	Tetrachloroethylene	40	0.4	4.7E+01	3.5E+01	8.5E-09	2.3E-03
108-88-3	Toluene	6.2	0.062	-	4.4E+03		2.8E-06
79-01-6	Trichloroethylene	9.2	0.092	3.0E+00	1.8E+00	3.1E-08	1.1E-02
95-63-6	Trimethylbenzene, 1,2,4-	3.2	0.032	-	5.3E+01		1.2E-04
75-01-4	Vinyl Chloride	5.4	0.054	2.8E+00	4.5E+01	1.9E-08	2.4E-04
1330-20-7	Xylenes	9.1	0.091	-	8.8E+01		2.1E-04
					Cumulative:	8.3E-07	5.5E-02

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	Southside Park Landfill
Site Address:	Remount Road, Charlotte, Mecklenburg County North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000807
Exposure Unit ID:	LFG Assessent LFG-4
Submittal Date:	7/18/2025
Prepared By:	Madison Allen
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2D**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: LFG Assessent LFG-4

Soil Gas Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

All constituents above the laboratory detection limit were input into the risk calculator. M+P-Xylenes reported together in analytical report, but separated for purpose of risk calculation.

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
30		75-65-0	Butyl Alcohol, t-			ug/m^3	LFG-4									
93		75-15-0	Carbon Disulfide			ug/m^3	LFG-4									
21		75-71-8	Dichlorodifluoromethane			ug/m^3	LFG-4									
14		142-82-5	Heptane, N-			ug/m^3	LFG-4									
11		110-54-3	Hexane, N-			ug/m^3	LFG-4									
27		78-93-3	Methyl Ethyl Ketone (2-Butanone)			ug/m^3	LFG-4									
10		91-20-3	~Naphthalene			ug/m^3	LFG-4									
5.1		127-18-4	Tetrachloroethylene			ug/m^3	LFG-4									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: LFG Assessent LFG-4

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	3.6E-06	1.1E-01	NO
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	2.8E-07	8.8E-03	NO
	Indoor Air	NC	NC	NC

CONTAMINANT MIGRATION CALCULATORS

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

Notes:

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

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

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: LFG Assessent LFG-4

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
75-65-0	Butyl Alcohol, t-	30	0.9	-	1.0E+03		1.7E-04
75-15-0	Carbon Disulfide	93	2.79	-	1.5E+02		3.8E-03
75-71-8	Dichlorodifluoromethane	21	0.63	-	2.1E+01		6.0E-03
142-82-5	Heptane, N-	14	0.42	-	8.3E+01		1.0E-03
110-54-3	Hexane, N-	11	0.33	-	1.5E+02		4.5E-04
78-93-3	Methyl Ethyl Ketone (2-Butanone)	27	0.81	-	1.0E+03		1.6E-04
91-20-3	~Naphthalene	10	0.3	8.3E-02	6.3E-01	**3.6E-06**	9.6E-02
127-18-4	Tetrachloroethylene	5.1	0.153	1.1E+01	8.3E+00	1.4E-08	3.7E-03
					Cumulative:	3.6E-06	1.1E-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: NONCD0000807

Exposure Unit ID: LFG Assessent LFG-4

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
75-65-0	Butyl Alcohol, t-	30	0.3	-	4.4E+03		1.4E-05
75-15-0	Carbon Disulfide	93	0.93	-	6.1E+02		3.0E-04
75-71-8	Dichlorodifluoromethane	21	0.21	-	8.8E+01		4.8E-04
142-82-5	Heptane, N-	14	0.14	-	3.5E+02		8.0E-05
110-54-3	Hexane, N-	11	0.11	-	6.1E+02		3.6E-05
78-93-3	Methyl Ethyl Ketone (2-Butanone)	27	0.27	-	4.4E+03		1.2E-05
91-20-3	~Naphthalene	10	0.1	3.6E-01	2.6E+00	2.8E-07	7.6E-03
127-18-4	Tetrachloroethylene	5.1	0.051	4.7E+01	3.5E+01	1.1E-09	2.9E-04
					Cumulative:	2.8E-07	8.8E-03

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	Southside Park Landfill
Site Address:	Remount Road, Charlotte, Mecklenburg County North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000807
Exposure Unit ID:	LFG Assessment LFG-5
Submittal Date:	7/18/2025
Prepared By:	Madison Allen
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2D**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: LFG Assessment LFG-5

Soil Gas Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

All constituents above the laboratory detection limit were input into the risk calculator. M+P-Xylenes reported together in analytical report, but separated for purpose of risk calculation.

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
5.9		75-27-4	Bromodichloromethane			ug/m^3	LFG-5									
10		75-65-0	Butyl Alcohol, t-			ug/m^3	LFG-5									
15		75-15-0	Carbon Disulfide			ug/m^3	LFG-5									
6		108-90-7	Chlorobenzene			ug/m^3	LFG-5									
32		67-66-3	Chloroform			ug/m^3	LFG-5									
2.1		74-87-3	Chloromethane			ug/m^3	LFG-5									
0.83		75-00-3	Ethyl Chloride (Chloroethane)			ug/m^3	LFG-5									
3.9		142-82-5	Heptane, N-			ug/m^3	LFG-5									
3.7		110-54-3	Hexane, N-			ug/m^3	LFG-5									
5.9		78-93-3	Methyl Ethyl Ketone (2-Butanone)			ug/m^3	LFG-5									
5.7		91-20-3	~Naphthalene			ug/m^3	LFG-5									
2.3		108-88-3	Toluene			ug/m^3	LFG-5									
1.9		75-69-4	Trichlorofluoromethane			ug/m^3	LFG-5									
3.7		95-63-6	Trimethylbenzene, 1,2,4-			ug/m^3	LFG-5									
6.6		1330-20-7	Xylenes			ug/m^3	LFG-5									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: LFG Assessment LFG-5

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	1.2E-05	5.4E-01	NO
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	9.4E-07	4.3E-02	NO
	Indoor Air	NC	NC	NC

CONTAMINANT MIGRATION CALCULATORS

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

Notes:

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

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

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: LFG Assessment LFG-5

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
75-27-4	Bromodichloromethane	5.9	0.177	7.6E-02	-	**2.3E-06**	
75-65-0	Butyl Alcohol, t-	10	0.3	-	1.0E+03		5.8E-05
75-15-0	Carbon Disulfide	15	0.45	-	1.5E+02		6.2E-04
108-90-7	Chlorobenzene	6	0.18	-	1.0E+01		3.5E-03
67-66-3	Chloroform	32	0.96	1.2E-01	4.1E-01	**7.9E-06**	**4.7E-01**
74-87-3	Chloromethane	2.1	0.063	-	1.9E+01		6.7E-04
75-00-3	Ethyl Chloride (Chloroethane)	0.83	0.0249	-	8.3E+02		6.0E-06
142-82-5	Heptane, N-	3.9	0.117	-	8.3E+01		2.8E-04
110-54-3	Hexane, N-	3.7	0.111	-	1.5E+02		1.5E-04
78-93-3	Methyl Ethyl Ketone (2-Butanone)	5.9	0.177	-	1.0E+03		3.4E-05
91-20-3	~Naphthalene	5.7	0.171	8.3E-02	6.3E-01	**2.1E-06**	5.5E-02
108-88-3	Toluene	2.3	0.069	-	1.0E+03		1.3E-05
75-69-4	Trichlorofluoromethane	1.9	0.057	-	-		
95-63-6	Trimethylbenzene, 1,2,4-	3.7	0.111	-	1.3E+01		1.8E-03
1330-20-7	Xylenes	6.6	0.198	-	2.1E+01		1.9E-03
					Cumulative:	1.2E-05	5.4E-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: NONCD0000807

Exposure Unit ID: LFG Assessment LFG-5

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
75-27-4	Bromodichloromethane	5.9	0.059	3.3E-01	-	1.8E-07	
75-65-0	Butyl Alcohol, t-	10	0.1	-	4.4E+03		4.6E-06
75-15-0	Carbon Disulfide	15	0.15	-	6.1E+02		4.9E-05
108-90-7	Chlorobenzene	6	0.06	-	4.4E+01		2.7E-04
67-66-3	Chloroform	32	0.32	5.3E-01	1.7E+00	6.0E-07	3.7E-02
74-87-3	Chloromethane	2.1	0.021	-	7.9E+01		5.3E-05
75-00-3	Ethyl Chloride (Chloroethane)	0.83	0.0083	-	3.5E+03		4.7E-07
142-82-5	Heptane, N-	3.9	0.039	-	3.5E+02		2.2E-05
110-54-3	Hexane, N-	3.7	0.037	-	6.1E+02		1.2E-05
78-93-3	Methyl Ethyl Ketone (2-Butanone)	5.9	0.059	-	4.4E+03		2.7E-06
91-20-3	~Naphthalene	5.7	0.057	3.6E-01	2.6E+00	1.6E-07	4.3E-03
108-88-3	Toluene	2.3	0.023	-	4.4E+03		1.1E-06
75-69-4	Trichlorofluoromethane	1.9	0.019	-	-		
95-63-6	Trimethylbenzene, 1,2,4-	3.7	0.037	-	5.3E+01		1.4E-04
1330-20-7	Xylenes	6.6	0.066	-	8.8E+01		1.5E-04
					Cumulative:	9.4E-07	4.3E-02

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	Southside Park Landfill
Site Address:	Remount Road, Charlotte, Mecklenburg County North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000807
Exposure Unit ID:	LFG Assessment LFG-6
Submittal Date:	7/31/2025
Prepared By:	Madison Allen
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2D**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: LFG Assessment LFG-6

Soil Gas Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

All constituents above the laboratory detection limit were input into the risk calculator.

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
1400		71-43-2	Benzene			ug/m^3	LFG-6									
23000		108-90-7	Chlorobenzene			ug/m^3	LFG-6									
130		110-82-7	Cyclohexane			ug/m^3	LFG-6									
1300		106-46-7	Dichlorobenzene, 1,4-			ug/m^3	LFG-6									
76		100-41-4	Ethylbenzene			ug/m^3	LFG-6									
660		142-82-5	Heptane, N-			ug/m^3	LFG-6									
280		110-54-3	Hexane, N-			ug/m^3	LFG-6									
1000		7783-06-4	Hydrogen Sulfide			ug/m^3	LFG-6									
57		91-20-3	~Naphthalene			ug/m^3	LFG-6									
70		115-07-1	Propylene			ug/m^3	LFG-6									
44		108-88-3	Toluene			ug/m^3	LFG-6									
63		95-63-6	Trimethylbenzene, 1,2,4-			ug/m^3	LFG-6									
37		108-67-8	Trimethylbenzene, 1,3,5-			ug/m^3	LFG-6									
83		1330-20-7	Xylenes			ug/m^3	LFG-6									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: LFG Assessment LFG-6

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	2.9E-04	3.0E+01	YES
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	2.2E-05	2.4E+00	YES
	Indoor Air	NC	NC	NC

CONTAMINANT MIGRATION CALCULATORS

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

Notes:

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

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

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: LFG Assessment LFG-6

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	1400	42	3.6E-01	6.3E+00	**1.2E-04**	**1.3E+00**
108-90-7	Chlorobenzene	23000	690	-	1.0E+01		**1.3E+01**
110-82-7	Cyclohexane	130	3.9	-	1.3E+03		6.2E-04
106-46-7	Dichlorobenzene, 1,4-	1300	39	2.6E-01	1.7E+02	**1.5E-04**	4.7E-02
100-41-4	Ethylbenzene	76	2.28	1.1E+00	2.1E+02	**2.0E-06**	2.2E-03
142-82-5	Heptane, N-	660	19.8	-	8.3E+01		4.7E-02
110-54-3	Hexane, N-	280	8.4	-	1.5E+02		1.2E-02
7783-06-4	Hydrogen Sulfide	1000	30	-	4.2E-01		**1.4E+01**
91-20-3	~Naphthalene	57	1.71	8.3E-02	6.3E-01	**2.1E-05**	**5.5E-01**
115-07-1	Propylene	70	2.1	-	6.3E+02		6.7E-04
108-88-3	Toluene	44	1.32	-	1.0E+03		2.5E-04
95-63-6	Trimethylbenzene, 1,2,4-	63	1.89	-	1.3E+01		3.0E-02
108-67-8	Trimethylbenzene, 1,3,5-	37	1.11	-	1.3E+01		1.8E-02
1330-20-7	Xylenes	83	2.49	-	2.1E+01		2.4E-02
					Cumulative:	**2.9E-04**	**3.0E+01**

DEQ Risk Calculator - Vapor Intrusion - Non-Residential Worker Soil Gas to Indoor Air **Output Form 3E**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: LFG Assessment LFG-6

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	1400	14	1.6E+00	2.6E+01	**8.9E-06**	1.1E-01
108-90-7	Chlorobenzene	23000	230	-	4.4E+01		**1.1E+00**
110-82-7	Cyclohexane	130	1.3	-	5.3E+03		4.9E-05
106-46-7	Dichlorobenzene, 1,4-	1300	13	1.1E+00	7.0E+02	**1.2E-05**	3.7E-03
100-41-4	Ethylbenzene	76	0.76	4.9E+00	8.8E+02	1.5E-07	1.7E-04
142-82-5	Heptane, N-	660	6.6	-	3.5E+02		3.8E-03
110-54-3	Hexane, N-	280	2.8	-	6.1E+02		9.1E-04
7783-06-4	Hydrogen Sulfide	1000	10	-	1.8E+00		**1.1E+00**
91-20-3	~Naphthalene	57	0.57	3.6E-01	2.6E+00	**1.6E-06**	4.3E-02
115-07-1	Propylene	70	0.7	-	2.6E+03		5.3E-05
108-88-3	Toluene	44	0.44	-	4.4E+03		2.0E-05
95-63-6	Trimethylbenzene, 1,2,4-	63	0.63	-	5.3E+01		2.4E-03
108-67-8	Trimethylbenzene, 1,3,5-	37	0.37	-	5.3E+01		1.4E-03
1330-20-7	Xylenes	83	0.83	-	8.8E+01		1.9E-03
					Cumulative:	2.2E-05	**2.4E+00**

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	Southside Park Landfill
Site Address:	Remount Road, Charlotte, Mecklenburg County North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000807
Exposure Unit ID:	LFG Assessment LFG-7
Submittal Date:	7/18/2025
Prepared By:	Madison Allen
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2D**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: LFG Assessment LFG-7

Soil Gas Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

All constituents above the laboratory detection limit were input into the risk calculator.

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		71-43-2	Benzene			ug/m^3	LFG-7									
53		75-15-0	Carbon Disulfide			ug/m^3	LFG-7									
29		110-82-7	Cyclohexane			ug/m^3	LFG-7									
11		110-54-3	Hexane, N-			ug/m^3	LFG-7									
28		75-09-2	Methylene Chloride			ug/m^3	LFG-7									
17		91-20-3	~Naphthalene			ug/m^3	LFG-7									
9.6		75-01-4	Vinyl Chloride			ug/m^3	LFG-7									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: LFG Assessment LFG-7

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	1.1E-05	2.1E-01	NO
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	7.3E-07	1.6E-02	NO
	Indoor Air	NC	NC	NC

CONTAMINANT MIGRATION CALCULATORS

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

Notes:

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

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

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: LFG Assessment LFG-7

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	35	1.05	3.6E-01	6.3E+00	**2.9E-06**	3.4E-02
75-15-0	Carbon Disulfide	53	1.59	-	1.5E+02		2.2E-03
110-82-7	Cyclohexane	29	0.87	-	1.3E+03		1.4E-04
110-54-3	Hexane, N-	11	0.33	-	1.5E+02		4.5E-04
75-09-2	Methylene Chloride	28	0.84	1.0E+02	1.3E+02	8.3E-09	1.3E-03
91-20-3	~Naphthalene	17	0.51	8.3E-02	6.3E-01	**6.2E-06**	1.6E-01
75-01-4	Vinyl Chloride	9.6	0.288	1.7E-01	1.1E+01	**1.7E-06**	5.4E-03
					Cumulative:	1.1E-05	2.1E-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: NONCD0000807

Exposure Unit ID: LFG Assessment LFG-7

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	35	0.35	1.6E+00	2.6E+01	2.2E-07	2.7E-03
75-15-0	Carbon Disulfide	53	0.53	-	6.1E+02		1.7E-04
110-82-7	Cyclohexane	29	0.29	-	5.3E+03		1.1E-05
110-54-3	Hexane, N-	11	0.11	-	6.1E+02		3.6E-05
75-09-2	Methylene Chloride	28	0.28	1.2E+03	5.3E+02	2.3E-10	1.1E-04
91-20-3	~Naphthalene	17	0.17	3.6E-01	2.6E+00	4.7E-07	1.3E-02
75-01-4	Vinyl Chloride	9.6	0.096	2.8E+00	4.5E+01	3.4E-08	4.3E-04
					Cumulative:	7.3E-07	1.6E-02

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	Southside Park Landfill
Site Address:	Remount Road, Charlotte, Mecklenburg County North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000807
Exposure Unit ID:	LFG Assessment LFG-8
Submittal Date:	7/18/2025
Prepared By:	Madison Allen
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2D**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: LFG Assessment LFG-8

Soil Gas Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

All constituents above the laboratory detection limit were input into the risk calculator

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
39		71-43-2	Benzene			ug/m^3	LFG-8									
80		108-90-7	Chlorobenzene			ug/m^3	LFG-8									
38		142-82-5	Heptane, N-			ug/m^3	LFG-8									
74		110-54-3	Hexane, N-			ug/m^3	LFG-8									
20		7783-06-4	Hydrogen Sulfide			ug/m^3	LFG-8									
190		115-07-1	Propylene			ug/m^3	LFG-8									
48		75-01-4	Vinyl Chloride			ug/m^3	LFG-8									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: LFG Assessment LFG-8

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	1.2E-05	4.1E-01	NO
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	4.2E-07	3.2E-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.

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: NONCD0000807

Exposure Unit ID: LFG Assessment LFG-8

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	39	1.17	3.6E-01	6.3E+00	**3.3E-06**	3.7E-02
108-90-7	Chlorobenzene	80	2.4	-	1.0E+01		4.6E-02
142-82-5	Heptane, N-	38	1.14	-	8.3E+01		2.7E-03
110-54-3	Hexane, N-	74	2.22	-	1.5E+02		3.0E-03
7783-06-4	Hydrogen Sulfide	20	0.6	-	4.2E-01		**2.9E-01**
115-07-1	Propylene	190	5.7	-	6.3E+02		1.8E-03
75-01-4	Vinyl Chloride	48	1.44	1.7E-01	1.1E+01	**8.6E-06**	2.7E-02
					Cumulative:	1.2E-05	4.1E-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: NONCD0000807

Exposure Unit ID: LFG Assessment LFG-8

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	39	0.39	1.6E+00	2.6E+01	2.5E-07	3.0E-03
108-90-7	Chlorobenzene	80	0.8	-	4.4E+01		3.7E-03
142-82-5	Heptane, N-	38	0.38	-	3.5E+02		2.2E-04
110-54-3	Hexane, N-	74	0.74	-	6.1E+02		2.4E-04
7783-06-4	Hydrogen Sulfide	20	0.2	-	1.8E+00		2.3E-02
115-07-1	Propylene	190	1.9	-	2.6E+03		1.4E-04
75-01-4	Vinyl Chloride	48	0.48	2.8E+00	4.5E+01	1.7E-07	2.1E-03
					Cumulative:	4.2E-07	3.2E-02

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	Southside Park Landfill
Site Address:	Remount Road, Charlotte, Mecklenburg County North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000807
Exposure Unit ID:	LFGAssessment LFG-9
Submittal Date:	7/17/2025
Prepared By:	Madison Allen
	Connor Hicks
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2D**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: LFG Assessment LFG-9

Soil Gas Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

All constituents above the laboratory detection limit were input into the risk calculator

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
570		108-90-7	Chlorobenzene			ug/m^3	LFG-9									
190		106-46-7	Dichlorobenzene, 1,4-			ug/m^3	LFG-9									
42		91-20-3	~Naphthalene			ug/m^3	LFG-9									
26		115-07-1	Propylene			ug/m^3	LFG-9									
12		75-01-4	Vinyl Chloride			ug/m^3	LFG-9									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: LFG Assessment LFG-9

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	NC	NC	NC
	Surface Water*	NC	NC	NC

VAPOR INTRUSION CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	4.0E-05	7.4E-01	NO
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	2.9E-06	5.9E-02	NO
	Indoor Air	NC	NC	NC

CONTAMINANT MIGRATION CALCULATORS

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

Notes:

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

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

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: LFG Assessment LFG-9

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
108-90-7	Chlorobenzene	570	17.1	-	1.0E+01		**3.3E-01**
106-46-7	Dichlorobenzene, 1,4-	190	5.7	2.6E-01	1.7E+02	**2.2E-05**	6.8E-03
91-20-3	~Naphthalene	42	1.26	8.3E-02	6.3E-01	**1.5E-05**	**4.0E-01**
115-07-1	Propylene	26	0.78	-	6.3E+02		2.5E-04
75-01-4	Vinyl Chloride	12	0.36	1.7E-01	1.1E+01	**2.1E-06**	6.8E-03
					Cumulative:	4.0E-05	7.4E-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: NONCD0000807

Exposure Unit ID: LFG Assessment LFG-9

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
108-90-7	Chlorobenzene	570	5.7	-	4.4E+01		2.6E-02
106-46-7	Dichlorobenzene, 1,4-	190	1.9	1.1E+00	7.0E+02	**1.7E-06**	5.4E-04
91-20-3	~Naphthalene	42	0.42	3.6E-01	2.6E+00	**1.2E-06**	3.2E-02
115-07-1	Propylene	26	0.26	-	2.6E+03		2.0E-05
75-01-4	Vinyl Chloride	12	0.12	2.8E+00	4.5E+01	4.3E-08	5.4E-04
					Cumulative:	2.9E-06	5.9E-02

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	Southside Park Landfill
Site Address:	Remount Road, Charlotte, Mecklenburg County North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000807
Exposure Unit ID:	LFG Assessment LFG-10
Submittal Date:	7/18/2025
Prepared By:	Madison Allen
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2D**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: LFG Assessment LFG-10

Soil Gas Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

All constituents above the laboratory detection limit were input into the risk calculator

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
69		71-43-2	Benzene			ug/m^3	LFG-10									
520		110-82-7	Cyclohexane			ug/m^3	LFG-10									
320		75-71-8	Dichlorodifluoromethane			ug/m^3	LFG-10									
270		142-82-5	Heptane, N-			ug/m^3	LFG-10									
300		110-54-3	Hexane, N-			ug/m^3	LFG-10									
1200		7783-06-4	Hydrogen Sulfide			ug/m^3	LFG-10									
26		78-93-3	Methyl Ethyl Ketone (2-Butanone)			ug/m^3	LFG-10									
19	J	91-20-3	~Naphthalene			ug/m^3	LFG-10									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: LFG Assessment LFG-10

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	NC	NC	NC
	Surface Water*	NC	NC	NC

VAPOR INTRUSION CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	1.3E-05	1.8E+01	YES
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	9.7E-07	1.4E+00	YES
	Indoor Air	NC	NC	NC

CONTAMINANT MIGRATION CALCULATORS

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

Notes:

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

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

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: LFG Assessment LFG-10

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	69	2.07	3.6E-01	6.3E+00	**5.8E-06**	6.6E-02
110-82-7	Cyclohexane	520	15.6	-	1.3E+03		2.5E-03
75-71-8	Dichlorodifluoromethane	320	9.6	-	2.1E+01		9.2E-02
142-82-5	Heptane, N-	270	8.1	-	8.3E+01		1.9E-02
110-54-3	Hexane, N-	300	9	-	1.5E+02		1.2E-02
7783-06-4	Hydrogen Sulfide	1200	36	-	4.2E-01		**1.7E+01**
78-93-3	Methyl Ethyl Ketone (2-Butanone)	26	0.78	-	1.0E+03		1.5E-04
91-20-3	~Naphthalene	19	0.57	8.3E-02	6.3E-01	**6.9E-06**	1.8E-01
					Cumulative:	1.3E-05	**1.8E+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: NONCD0000807

Exposure Unit ID: LFG Assessment LFG-10

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	69	0.69	1.6E+00	2.6E+01	4.4E-07	5.3E-03
110-82-7	Cyclohexane	520	5.2	-	5.3E+03		2.0E-04
75-71-8	Dichlorodifluoromethane	320	3.2	-	8.8E+01		7.3E-03
142-82-5	Heptane, N-	270	2.7	-	3.5E+02		1.5E-03
110-54-3	Hexane, N-	300	3	-	6.1E+02		9.8E-04
7783-06-4	Hydrogen Sulfide	1200	12	-	1.8E+00		**1.4E+00**
78-93-3	Methyl Ethyl Ketone (2-Butanone)	26	0.26	-	4.4E+03		1.2E-05
91-20-3	~Naphthalene	19	0.19	3.6E-01	2.6E+00	5.3E-07	1.4E-02
					Cumulative:	9.7E-07	**1.4E+00**

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	Southside Park Landfill
Site Address:	Remount Road, Charlotte, Mecklenburg County North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000807
Exposure Unit ID:	LFG Assessment LFG-11
Submittal Date:	7/18/2025
Prepared By:	Madison Allen
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2D**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: LFG Assessment LFG-11

Soil Gas Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

All constituents above the laboratory detection limit were input into the risk calculator. 1,3-Dichlorobenzene not included in risk calculator, so 1,2-Dichlorobenzene was used for risk calculation instead.

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
39		75-65-0	Butyl Alcohol, t-			ug/m^3	LFG-11									
220		75-15-0	Carbon Disulfide			ug/m^3	LFG-11									
5.4		110-82-7	Cyclohexane			ug/m^3	LFG-11									
11		95-50-1	Dichlorobenzene, 1,2-			ug/m^3	LFG-11									
6.6		110-54-3	Hexane, N-			ug/m^3	LFG-11									
39		78-93-3	Methyl Ethyl Ketone (2-Butanone)			ug/m^3	LFG-11									
12		91-20-3	~Naphthalene			ug/m^3	LFG-11									
17		115-07-1	Propylene			ug/m^3	LFG-11									
5.6		127-18-4	Tetrachloroethylene			ug/m^3	LFG-11									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: LFG Assessment LFG-11

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	NC	NC	NC
	Surface Water*	NC	NC	NC

VAPOR INTRUSION CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	4.4E-06	1.3E-01	NO
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	3.3E-07	1.0E-02	NO
	Indoor Air	NC	NC	NC

CONTAMINANT MIGRATION CALCULATORS

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

Notes:

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

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

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: LFG Assessment LFG-11

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
75-65-0	Butyl Alcohol, t-	39	1.17	-	1.0E+03		2.2E-04
75-15-0	Carbon Disulfide	220	6.6	-	1.5E+02		9.0E-03
110-82-7	Cyclohexane	5.4	0.162	-	1.3E+03		2.6E-05
95-50-1	Dichlorobenzene, 1,2-	11	0.33	-	4.2E+01		1.6E-03
110-54-3	Hexane, N-	6.6	0.198	-	1.5E+02		2.7E-04
78-93-3	Methyl Ethyl Ketone (2-Butanone)	39	1.17	-	1.0E+03		2.2E-04
91-20-3	~Naphthalene	12	0.36	8.3E-02	6.3E-01	**4.4E-06**	1.2E-01
115-07-1	Propylene	17	0.51	-	6.3E+02		1.6E-04
127-18-4	Tetrachloroethylene	5.6	0.168	1.1E+01	8.3E+00	1.6E-08	4.0E-03
					Cumulative:	4.4E-06	1.3E-01

DEQ Risk Calculator - Vapor Intrusion - Non-Residential Worker Soil Gas to Indoor Air **Output Form 3E**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: LFG Assessment LFG-11

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
75-65-0	Butyl Alcohol, t-	39	0.39	-	4.4E+03		1.8E-05
75-15-0	Carbon Disulfide	220	2.2	-	6.1E+02		7.2E-04
110-82-7	Cyclohexane	5.4	0.054	-	5.3E+03		2.1E-06
95-50-1	Dichlorobenzene, 1,2-	11	0.11	-	1.8E+02		1.3E-04
110-54-3	Hexane, N-	6.6	0.066	-	6.1E+02		2.2E-05
78-93-3	Methyl Ethyl Ketone (2-Butanone)	39	0.39	-	4.4E+03		1.8E-05
91-20-3	~Naphthalene	12	0.12	3.6E-01	2.6E+00	3.3E-07	9.1E-03
115-07-1	Propylene	17	0.17	-	2.6E+03		1.3E-05
127-18-4	Tetrachloroethylene	5.6	0.056	4.7E+01	3.5E+01	1.2E-09	3.2E-04
					Cumulative:	3.3E-07	1.0E-02

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	Southside Park Landfill
Site Address:	Remount Road, Charlotte, Mecklenburg County North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000807
Exposure Unit ID:	LFG Asessment LFG-12
Submittal Date:	7/18/2025
Prepared By:	Madison Allen
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2D**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: LFG Asessment LFG-12

Soil Gas Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

All constituents above the laboratory detection limit were input into the risk calculator

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
17		71-43-2	Benzene			ug/m^3	LFG-12									
41		108-90-7	Chlorobenzene			ug/m^3	LFG-12									
13		110-82-7	Cyclohexane			ug/m^3	LFG-12									
26		106-46-7	Dichlorobenzene, 1,4-			ug/m^3	LFG-12									
22		142-82-5	Heptane, N-			ug/m^3	LFG-12									
38		110-54-3	Hexane, N-			ug/m^3	LFG-12									
120		7783-06-4	Hydrogen Sulfide			ug/m^3	LFG-12									
28		91-20-3	~Naphthalene			ug/m^3	LFG-12									
36		115-07-1	Propylene			ug/m^3	LFG-12									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: LFG Asessment LFG-12

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	NC	NC	NC
	Surface Water*	NC	NC	NC

VAPOR INTRUSION CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	1.5E-05	2.0E+00	YES
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	1.1E-06	1.6E-01	NO
	Indoor Air	NC	NC	NC

CONTAMINANT MIGRATION CALCULATORS

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

Notes:

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

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

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: LFG Asessment LFG-12

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	17	0.51	3.6E-01	6.3E+00	**1.4E-06**	1.6E-02
108-90-7	Chlorobenzene	41	1.23	-	1.0E+01		2.4E-02
110-82-7	Cyclohexane	13	0.39	-	1.3E+03		6.2E-05
106-46-7	Dichlorobenzene, 1,4-	26	0.78	2.6E-01	1.7E+02	**3.1E-06**	9.3E-04
142-82-5	Heptane, N-	22	0.66	-	8.3E+01		1.6E-03
110-54-3	Hexane, N-	38	1.14	-	1.5E+02		1.6E-03
7783-06-4	Hydrogen Sulfide	120	3.6	-	4.2E-01		**1.7E+00**
91-20-3	~Naphthalene	28	0.84	8.3E-02	6.3E-01	**1.0E-05**	**2.7E-01**
115-07-1	Propylene	36	1.08	-	6.3E+02		3.5E-04
					Cumulative:	1.5E-05	**2.0E+00**

DEQ Risk Calculator - Vapor Intrusion - Non-Residential Worker Soil Gas to Indoor Air **Output Form 3E**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: LFG Asessment LFG-12

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	17	0.17	1.6E+00	2.6E+01	1.1E-07	1.3E-03
108-90-7	Chlorobenzene	41	0.41	-	4.4E+01		1.9E-03
110-82-7	Cyclohexane	13	0.13	-	5.3E+03		4.9E-06
106-46-7	Dichlorobenzene, 1,4-	26	0.26	1.1E+00	7.0E+02	2.3E-07	7.4E-05
142-82-5	Heptane, N-	22	0.22	-	3.5E+02		1.3E-04
110-54-3	Hexane, N-	38	0.38	-	6.1E+02		1.2E-04
7783-06-4	Hydrogen Sulfide	120	1.2	-	1.8E+00		1.4E-01
91-20-3	~Naphthalene	28	0.28	3.6E-01	2.6E+00	7.8E-07	2.1E-02
115-07-1	Propylene	36	0.36	-	2.6E+03		2.7E-05
					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:	Southside Park Landfill
Site Address:	Remount Road, Charlotte, Mecklenburg County North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000807
Exposure Unit ID:	Surface Water Assessment SW-1
Submittal Date:	9/17/2025
Prepared By:	Clay Faircloth
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Surface Water Assessment SW-1

Surface Water Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

All concentrations exceeding the laboratory detection limit at this sample location were input into the risk calculator

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

Exposure Point Concentration (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
87		7664-41-7	Ammonia			ug/L	SW-1									
80.6		7440-39-3	Barium			ug/L	SW-1									
0.771	J	7440-48-4	Cobalt			ug/L	SW-1									
4.69		7440-50-8	Copper			ug/L	SW-1									
0.868	J	7439-92-1	~Lead and Compounds			ug/L	SW-1									
69		7439-96-5	Manganese (Non-diet)			ug/L	SW-1									
3.19	J	7440-02-0	Nickel Soluble Salts			ug/L	SW-1									
2060	H	14797-55-8	Nitrate (measured as nitrogen)			ug/L	SW-1									
44.8	J H	14797-65-0	Nitrite (measured as nitrogen)			ug/L	SW-1									
2.97		127-18-4	Tetrachloroethylene			ug/L	SW-1									
0.781	J	7440-28-0	Thallium (Soluble Salts)			ug/L	SW-1									
2.91	J	7440-62-2	Vanadium and Compounds			ug/L	SW-1									
17		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: NONCD0000807

Exposure Unit ID: Surface Water Assessment SW-1

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	NC	NC	NC
	Surface Water*	2.4E-08	3.9E-01	NO

VAPOR INTRUSION CALCULATORS

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

CONTAMINANT MIGRATION CALCULATORS

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

Notes:

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

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

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Surface Water **Output Form 2G**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Surface Water Assessment SW-1

Receptor Type: Agriculture

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	87	87						
7440-39-3	Barium	80.6	80.6				1.6E-03	1.2E-03	2.8E-03
7440-48-4	Cobalt	0.771	0.771				1.0E-02	2.2E-04	1.0E-02
7440-50-8	Copper	4.69	4.69				4.6E-04	2.5E-05	4.9E-04
7439-92-1	~Lead and Compounds	0.868	0.868						
7439-96-5	Manganese (Non-diet)	69	69				1.1E-02	1.5E-02	2.6E-02
7440-02-0	Nickel Soluble Salts	3.19	3.19				6.3E-04	1.7E-04	8.0E-04
14797-55-8	Nitrate (measured as nitrogen)	2060	2060				5.1E-03	2.7E-04	5.3E-03
14797-65-0	Nitrite (measured as nitrogen)	44.8	44.8				1.8E-03	9.4E-05	1.9E-03
127-18-4	Tetrachloroethylene	2.97	2.97	3.3E-09	2.0E-08	2.4E-08	2.0E-03	6.4E-03	8.3E-03
7440-28-0	Thallium (Soluble Salts)	0.781	0.781				**3.1E-01**	1.6E-02	**3.2E-01**
7440-62-2	Vanadium and Compounds	2.91	2.91				2.3E-03	4.6E-03	6.9E-03
7440-66-6	Zinc and Compounds	17	17				2.2E-04	7.1E-06	2.3E-04
					Cumulative:	2.4E-08			3.9E-01

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	Southside Park Landfill
Site Address:	Remount Road, Charlotte, Mecklenburg County North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000807
Exposure Unit ID:	Surface Water Assessment SW-2
Submittal Date:	9/17/2025
Prepared By:	Clay Faircloth
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Surface Water Assessment SW-2

Surface Water Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

All concentrations exceeding the laboratory detection limit at this sample location were input into the risk calculator

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

Exposure Point Concentration (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
298		7664-41-7	Ammonia			ug/L	SW-2									
77		7440-39-3	Barium			ug/L	SW-2									
0.843	J	7440-48-4	Cobalt			ug/L	SW-2									
4.85		7440-50-8	Copper			ug/L	SW-2									
0.864		7439-92-1	~Lead and Compounds			ug/L	SW-2									
78.6		7439-96-5	Manganese (Non-diet)			ug/L	SW-2									
3.5	J	7440-02-0	Nickel Soluble Salts			ug/L	SW-2									
2030	H	14797-55-8	Nitrate (measured as nitrogen)			ug/L	SW-2									
48.5	J H	14797-65-0	Nitrite (measured as nitrogen)			ug/L	SW-2									
6.07		127-18-4	Tetrachloroethylene			ug/L	SW-2									
0.255	J	7440-28-0	Thallium (Soluble Salts)			ug/L	SW-2									
2.9	J	7440-62-2	Vanadium and Compounds			ug/L	SW-2									
11.6		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: NONCD0000807

Exposure Unit ID: Surface Water Assessment SW-2

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	NC	NC	NC
	Surface Water*	4.8E-08	1.8E-01	NO

VAPOR INTRUSION CALCULATORS

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

CONTAMINANT MIGRATION CALCULATORS

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

Notes:

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

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

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Surface Water **Output Form 2G**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Surface Water Assessment SW-2

Receptor Type: Agriculture

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	298	298						
7440-39-3	Barium	77	77				1.5E-03	1.2E-03	2.7E-03
7440-48-4	Cobalt	0.843	0.843				1.1E-02	2.4E-04	1.1E-02
7440-50-8	Copper	4.85	4.85				4.8E-04	2.5E-05	5.0E-04
7439-92-1	~Lead and Compounds	0.864	0.864						
7439-96-5	Manganese (Non-diet)	78.6	78.6				1.3E-02	1.7E-02	3.0E-02
7440-02-0	Nickel Soluble Salts	3.5	3.5				6.9E-04	1.8E-04	8.7E-04
14797-55-8	Nitrate (measured as nitrogen)	2030	2030				5.0E-03	2.7E-04	5.3E-03
14797-65-0	Nitrite (measured as nitrogen)	48.5	48.5				1.9E-03	1.0E-04	2.0E-03
127-18-4	Tetrachloroethylene	6.07	6.07	6.8E-09	4.1E-08	4.8E-08	4.0E-03	1.3E-02	1.7E-02
7440-28-0	Thallium (Soluble Salts)	0.255	0.255				1.0E-01	5.3E-03	1.1E-01
7440-62-2	Vanadium and Compounds	2.9	2.9				2.3E-03	4.6E-03	6.9E-03
7440-66-6	Zinc and Compounds	11.6	11.6				1.5E-04	4.9E-06	1.6E-04
					Cumulative:	4.8E-08			1.8E-01

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	Southside Park Landfill
Site Address:	Remount Road, Charlotte, Mecklenburg County North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000807
Exposure Unit ID:	Surface Water Assessment SW-3
Submittal Date:	9/17/2025
Prepared By:	Clay Faircloth
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Surface Water Assessment SW-3

Surface Water Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

All concentrations exceeding the laboratory detection limit at this sample location were input into the risk calculator

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

Exposure Point Concentration (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
180		7664-41-7	Ammonia			ug/L	SW-3									
76.7		7440-39-3	Barium			ug/L	SW-3									
0.951	J	7440-48-4	Cobalt			ug/L	SW-3									
5.86		7440-50-8	Copper			ug/L	SW-3									
0.309		123-91-1	Dioxane, 1,4-			ug/L	SW-3									
0.864		7439-92-1	~Lead and Compounds			ug/L	SW-3									
46.5		7439-96-5	Manganese (Non-diet)			ug/L	SW-3									
4.27	J	7440-02-0	Nickel Soluble Salts			ug/L	SW-3									
1860	H	14797-55-8	Nitrate (measured as nitrogen)			ug/L	SW-3									
62.3	J H	14797-65-0	Nitrite (measured as nitrogen)			ug/L	SW-3									
12		127-18-4	Tetrachloroethylene			ug/L	SW-3									
0.468	J	79-01-6	Trichloroethylene			ug/L	SW-3									
3.3	J	7440-62-2	Vanadium and Compounds			ug/L	SW-3									
16.5		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: NONCD0000807

Exposure Unit ID: Surface Water Assessment SW-3

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	NC	NC	NC
	Surface Water*	1.6E-07	9.1E-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: NONCD0000807

Exposure Unit ID: Surface Water Assessment SW-3

Receptor Type: Agriculture

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	180	180						
7440-39-3	Barium	76.7	76.7				1.5E-03	1.1E-03	2.7E-03
7440-48-4	Cobalt	0.951	0.951				1.3E-02	2.7E-04	1.3E-02
7440-50-8	Copper	5.86	5.86				5.8E-04	3.1E-05	6.1E-04
123-91-1	Dioxane, 1,4-	0.309	0.309	1.6E-08	7.2E-10	1.7E-08	4.1E-05	9.5E-07	4.2E-05
7439-92-1	~Lead and Compounds	0.864	0.864						
7439-96-5	Manganese (Non-diet)	46.5	46.5				7.6E-03	1.0E-02	1.8E-02
7440-02-0	Nickel Soluble Salts	4.27	4.27				8.4E-04	2.2E-04	1.1E-03
14797-55-8	Nitrate (measured as nitrogen)	1860	1860				4.6E-03	2.4E-04	4.8E-03
14797-65-0	Nitrite (measured as nitrogen)	62.3	62.3				2.5E-03	1.3E-04	2.6E-03
127-18-4	Tetrachloroethylene	12	12	1.3E-08	8.2E-08	9.5E-08	7.9E-03	2.6E-02	3.4E-02
79-01-6	Trichloroethylene	0.468	0.468	1.9E-08	2.9E-08	4.8E-08	3.7E-03	3.5E-03	7.2E-03
7440-62-2	Vanadium and Compounds	3.3	3.3				2.6E-03	5.3E-03	7.9E-03
7440-66-6	Zinc and Compounds	16.5	16.5				2.2E-04	6.9E-06	2.2E-04
					Cumulative:	1.6E-07			9.1E-02

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	Southside Park Landfill
Site Address:	Remount Road, Charlotte, Mecklenburg County North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000807
Exposure Unit ID:	Surface Water Assessment SW-4
Submittal Date:	9/17/2025
Prepared By:	Clay Faircloth
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Surface Water Assessment SW-4

Surface Water Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

All concentrations exceeding the laboratory detection limit at this sample location were input into the risk calculator

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

Exposure Point Concentration (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
48.1		7440-39-3	Barium			ug/L	SW-4									
0.55	J	7440-48-4	Cobalt			ug/L	SW-4									
4.43		7440-50-8	Copper			ug/L	SW-4									
3.42		7439-92-1	~Lead and Compounds			ug/L	SW-4									
55.4		7439-96-5	Manganese (Non-diet)			ug/L	SW-4									
1.69	J	7440-02-0	Nickel Soluble Salts			ug/L	SW-4									
707		14797-55-8	Nitrate (measured as nitrogen)			ug/L	SW-4									
3.9	J	7440-62-2	Vanadium and Compounds			ug/L	SW-4									
15.7		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: NONCD0000807

Exposure Unit ID: Surface Water Assessment SW-4

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	4.2E-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: NONCD0000807

Exposure Unit ID: Surface Water Assessment SW-4

Receptor Type: Agriculture

CAS #	Chemical Name:	Ingestion Concentration (ug/L)	Dermal Concentration (ug/L)	Ingestion Carcinogenic Risk	Dermal Contact Carcinogenic Risk	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Contact Hazard Quotient	Calculated Non-Carcinogenic Hazard Quotient
7440-39-3	Barium	48.1	48.1				9.5E-04	7.2E-04	1.7E-03
7440-48-4	Cobalt	0.55	0.55				7.2E-03	1.5E-04	7.4E-03
7440-50-8	Copper	4.43	4.43				4.4E-04	2.3E-05	4.6E-04
7439-92-1	~Lead and Compounds	3.42	3.42						
7439-96-5	Manganese (Non-diet)	55.4	55.4				9.1E-03	1.2E-02	2.1E-02
7440-02-0	Nickel Soluble Salts	1.69	1.69				3.3E-04	8.8E-05	4.2E-04
14797-55-8	Nitrate (measured as nitrogen)	707	707				1.7E-03	9.2E-05	1.8E-03
7440-62-2	Vanadium and Compounds	3.9	3.9				3.1E-03	6.2E-03	9.3E-03
7440-66-6	Zinc and Compounds	15.7	15.7				2.1E-04	6.6E-06	2.1E-04
					Cumulative:	0.0E+00			4.2E-02

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	Southside Park Landfill
Site Address:	Remount Road, Charlotte, Mecklenburg County North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000807
Exposure Unit ID:	Surface Water Assessment SW-5
Submittal Date:	9/17/2025
Prepared By:	Clay Faircloth
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Surface Water Assessment SW-5

Surface Water Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

All concentrations exceeding the laboratory detection limit at this sample location were input into the risk calculator

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

Exposure Point Concentration (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
52.2		7440-39-3	Barium			ug/L	SW-5									
0.549	J	7440-48-4	Cobalt			ug/L	SW-5									
16.7		7440-50-8	Copper			ug/L	SW-5									
2.69		7439-92-1	~Lead and Compounds			ug/L	SW-5									
67		7439-96-5	Manganese (Non-diet)			ug/L	SW-5									
1.73	J	7440-02-0	Nickel Soluble Salts			ug/L	SW-5									
736	H	14797-55-8	Nitrate (measured as nitrogen)			ug/L	SW-5									
3.36	J	7440-62-2	Vanadium and Compounds			ug/L	SW-5									
11		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: NONCD0000807

Exposure Unit ID: Surface Water Assessment SW-5

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	4.7E-02	NO

VAPOR INTRUSION CALCULATORS

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

CONTAMINANT MIGRATION CALCULATORS

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

Notes:

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

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

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Surface Water **Output Form 2G**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Surface Water Assessment SW-5

Receptor Type: Agriculture

CAS #	Chemical Name:	Ingestion Concentration (ug/L)	Dermal Concentration (ug/L)	Ingestion Carcinogenic Risk	Dermal Contact Carcinogenic Risk	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Contact Hazard Quotient	Calculated Non-Carcinogenic Hazard Quotient
7440-39-3	Barium	52.2	52.2				1.0E-03	7.8E-04	1.8E-03
7440-48-4	Cobalt	0.549	0.549				7.2E-03	1.5E-04	7.4E-03
7440-50-8	Copper	16.7	16.7				1.6E-03	8.7E-05	1.7E-03
7439-92-1	~Lead and Compounds	2.69	2.69						
7439-96-5	Manganese (Non-diet)	67	67				1.1E-02	1.5E-02	2.6E-02
7440-02-0	Nickel Soluble Salts	1.73	1.73				3.4E-04	9.1E-05	4.3E-04
14797-55-8	Nitrate (measured as nitrogen)	736	736				1.8E-03	9.6E-05	1.9E-03
7440-62-2	Vanadium and Compounds	3.36	3.36				2.6E-03	5.4E-03	8.0E-03
7440-66-6	Zinc and Compounds	11	11				1.4E-04	4.6E-06	1.5E-04
					Cumulative:	0.0E+00			4.7E-02

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	Southside Park Landfill
Site Address:	Remount Road, Charlotte, Mecklenburg County North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000807
Exposure Unit ID:	Sediment Sample Risk Assessment SD-1
Submittal Date:	9/17/2025
Prepared By:	Clay Faircloth
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2A**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Sediment Sample Risk Assessment SD-1

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
0.0388		67-64-1	Acetone			mg/kg	Duplicate									
0.214	J	7440-36-0	Antimony (metallic)			mg/kg	SD-1									
1.32		7440-38-2	Arsenic, Inorganic			mg/kg	Duplicate									
65.9		7440-39-3	Barium			mg/kg	Duplicate									
0.212	J	7440-41-7	Beryllium and compounds			mg/kg	Duplicate									
0.181	J	7440-43-9	Cadmium (Diet)			mg/kg	Duplicate									
21		16065-83-1	Chromium(III), Insoluble Salts			mg/kg	SD-1									
2.83		18540-29-9	Chromium(VI)			mg/kg	Duplicate									
9.19		7440-48-4	Cobalt			mg/kg	Duplicate									
23.6		7440-50-8	Copper			mg/kg	Duplicate									
0.00952		123-91-1	Dioxane, 1,4-			mg/kg	SD-1									
23.4		7439-92-1	~Lead and Compounds			mg/kg	Duplicate									
386		7439-96-5	Manganese (Non-diet)			mg/kg	Duplicate									
7.28		7440-02-0	Nickel Soluble Salts			mg/kg	Duplicate									
1.7	J	56-55-3	~Benz[a]anthracene			mg/kg	SD-1									
1.71	J	50-32-8	~Benzo[a]pyrene			mg/kg	SD-1									
3.04		205-99-2	~Benzo[b]fluoranthene			mg/kg	SD-1									
1.25	J	207-08-9	~Benzo[k]fluoranthene			mg/kg	SD-1									
1.9	J	218-01-9	~Chrysene			mg/kg	SD-1									
3.96		206-44-0	~Fluoranthene			mg/kg	SD-1									
0.881		193-39-5	~Indeno[1,2,3-cd]pyrene			mg/kg	SD-1									
2.25		129-00-0	~Pyrene			mg/kg	SD-1									
0.211	J	7782-49-2	Selenium			mg/kg	SD-1									
0.242		7440-22-4	Silver			mg/kg	Duplicate									
0.0385	J	7440-28-0	Thallium (Soluble Salts)			mg/kg	SD-1									
28.5		7440-62-2	Vanadium and Compounds			mg/kg	Duplicate									
69.1		7440-66-6	Zinc and Compounds			mg/kg	Duplicate									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Sediment Sample Risk Assessment SD-1

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	2.5E-05	9.5E-01	NO
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	1.7E-06	6.5E-02	NO
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	1.1E-05	4.1E-01	NO
	Surface Water*	NC	NC	NC

VAPOR INTRUSION CALCULATORS

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

CONTAMINANT MIGRATION CALCULATORS

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

Notes:

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

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

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Sediment Sample Risk Assessment SD-1

** - 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	0.0388	0.0388	0.0388					5.5E-07			5.5E-07
7440-36-0	Antimony (metallic)	0.214	0.214	0.214					6.8E-03		1.2E-08	6.8E-03
7440-38-2	Arsenic, Inorganic	1.32	1.32	1.32	**1.7E-06**	2.4E-07	3.4E-11	1.9E-06	3.4E-02	4.0E-03	1.4E-06	3.8E-02
7440-39-3	Barium	65.9	65.9	65.9					4.2E-03		2.1E-06	4.2E-03
7440-41-7	Beryllium and compounds	0.212	0.212	0.212			3.1E-12	3.1E-12	1.4E-03		1.7E-07	1.4E-03
7440-43-9	Cadmium (Diet)	0.181	0.181	0.181			2.0E-12	2.0E-12	2.3E-02	2.2E-03	2.9E-07	2.5E-02
16065-83-1	Chromium(III), Insoluble Salts	21	21	21					1.8E-04			1.8E-04
18540-29-9	Chromium(VI)	2.83	2.83	2.83	**3.0E-06**		5.2E-10	3.0E-06	4.0E-02		1.5E-06	4.0E-02
7440-48-4	Cobalt	9.19	9.19	9.19			5.0E-10	5.0E-10	**3.9E-01**		2.5E-05	**3.9E-01**
7440-50-8	Copper	23.6	23.6	23.6					7.5E-03			7.5E-03
123-91-1	Dioxane, 1,4-	0.00952	0.00952	0.00952	1.4E-09		4.0E-10	1.8E-09	4.1E-06		7.2E-06	1.1E-05
7439-92-1	~Lead and Compounds	23.4	23.4	23.4					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	386	386	386					**2.1E-01**		1.2E-04	**2.1E-01**
7440-02-0	Nickel Soluble Salts	7.28	7.28	7.28			1.1E-11	1.1E-11	4.7E-03		1.2E-05	4.7E-03
56-55-3	~Benz[a]anthracene	1.7	1.7	1.7	**1.1E-06**	3.7E-07	2.1E-08	1.5E-06				
50-32-8	~Benzo[a]pyrene	1.71	1.71	1.71	**1.1E-05**	**3.7E-06**	1.7E-11	1.5E-05	7.3E-02	2.2E-02	1.4E-05	9.5E-02
205-99-2	~Benzo[b]fluoranthene	3.04	3.04	3.04	**2.0E-06**	6.6E-07	3.0E-12	2.6E-06				
207-08-9	~Benzo[k]fluoranthene	1.25	1.25	1.25	8.2E-08	2.7E-08	1.2E-13	1.1E-07				
218-01-9	~Chrysene	1.9	1.9	1.9	1.2E-08	4.1E-09	1.9E-14	1.7E-08				
206-44-0	~Fluoranthene	3.96	3.96	3.96					1.3E-03	3.9E-04		1.7E-03
193-39-5	~Indeno[1,2,3-cd]pyrene	0.881	0.881	0.881	5.8E-07	1.9E-07	8.8E-13	7.7E-07				
129-00-0	~Pyrene	2.25	2.25	2.25					9.6E-04	3.0E-04		1.3E-03
7782-49-2	Selenium	0.211	0.211	0.211					5.4E-04		1.7E-10	5.4E-04
7440-22-4	Silver	0.242	0.242	0.242					6.2E-04			6.2E-04
7440-28-0	Thallium (Soluble Salts)	0.0385	0.0385	0.0385					4.9E-02			4.9E-02
7440-62-2	Vanadium and Compounds	28.5	28.5	28.5					7.2E-02		4.6E-06	7.2E-02
7440-66-6	Zinc and Compounds	69.1	69.1	69.1					2.9E-03			2.9E-03
						Cumulative:		2.5E-05				9.5E-01

DEQ Risk Calculator - Direct Contact - Non-Residential Worker Soil **Output Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Sediment Sample Risk Assessment SD-1

** - 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	0.0388	0.0388	0.0388					3.7E-08			3.7E-08
7440-36-0	Antimony (metallic)	0.214	0.214	0.214					4.6E-04		2.7E-09	4.6E-04
7440-38-2	Arsenic, Inorganic	1.32	1.32	1.32	3.6E-07	7.7E-08	7.8E-12	4.4E-07	2.3E-03	4.8E-04	3.4E-07	2.7E-03
7440-39-3	Barium	65.9	65.9	65.9					2.8E-04		5.1E-07	2.8E-04
7440-41-7	Beryllium and compounds	0.212	0.212	0.212			7.0E-13	7.0E-13	9.1E-05		4.1E-08	9.1E-05
7440-43-9	Cadmium (Diet)	0.181	0.181	0.181			4.5E-13	4.5E-13	1.5E-03	2.6E-04	7.0E-08	1.8E-03
16065-83-1	Chromium(III), Insoluble Salts	21	21	21					1.2E-05			1.2E-05
18540-29-9	Chromium(VI)	2.83	2.83	2.83	1.4E-07		4.3E-11	1.4E-07	2.7E-03		3.6E-07	2.7E-03
7440-48-4	Cobalt	9.19	9.19	9.19			1.1E-10	1.1E-10	2.6E-02		5.9E-06	2.6E-02
7440-50-8	Copper	23.6	23.6	23.6					5.1E-04			5.1E-04
123-91-1	Dioxane, 1,4-	0.00952	0.00952	0.00952	2.9E-10		9.2E-11	3.8E-10	2.7E-07		1.7E-06	2.0E-06
7439-92-1	~Lead and Compounds	23.4	23.4	23.4					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	386	386	386					1.4E-02		3.0E-05	1.4E-02
7440-02-0	Nickel Soluble Salts	7.28	7.28	7.28			2.6E-12	2.6E-12	3.1E-04		2.8E-06	3.1E-04
56-55-3	~Benz[a]anthracene	1.7	1.7	1.7	5.2E-08	2.9E-08	1.8E-09	8.2E-08				
50-32-8	~Benzo[a]pyrene	1.71	1.71	1.71	5.2E-07	2.9E-07	1.4E-12	8.1E-07	4.9E-03	2.7E-03	3.3E-06	7.6E-03
205-99-2	~Benzo[b]fluoranthene	3.04	3.04	3.04	9.3E-08	5.1E-08	2.5E-13	1.4E-07				
207-08-9	~Benzo[k]fluoranthene	1.25	1.25	1.25	3.8E-09	2.1E-09	1.0E-14	5.9E-09				
218-01-9	~Chrysene	1.9	1.9	1.9	5.8E-10	3.2E-10	1.6E-15	9.0E-10				
206-44-0	~Fluoranthene	3.96	3.96	3.96					8.5E-05	4.7E-05		1.3E-04
193-39-5	~Indeno[1,2,3-cd]pyrene	0.881	0.881	0.881	2.7E-08	1.5E-08	7.3E-14	4.2E-08				
129-00-0	~Pyrene	2.25	2.25	2.25					6.4E-05	3.5E-05		1.0E-04
7782-49-2	Selenium	0.211	0.211	0.211					3.6E-05		4.1E-11	3.6E-05
7440-22-4	Silver	0.242	0.242	0.242					4.1E-05			4.1E-05
7440-28-0	Thallium (Soluble Salts)	0.0385	0.0385	0.0385					3.3E-03			3.3E-03
7440-62-2	Vanadium and Compounds	28.5	28.5	28.5					4.8E-03		1.1E-06	4.8E-03
7440-66-6	Zinc and Compounds	69.1	69.1	69.1					2.0E-04			2.0E-04
						Cumulative:		1.7E-06				6.5E-02

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Soil **Output Form 2F**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Sediment Sample Risk Assessment SD-1

** - 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	0.0388	0.0388	0.0388					2.4E-07			2.4E-07
7440-36-0	Antimony (metallic)	0.214	0.214	0.214					2.9E-03		4.1E-10	2.9E-03
7440-38-2	Arsenic, Inorganic	1.32	1.32	1.32	7.3E-07	1.0E-07	1.2E-12	8.4E-07	1.4E-02	1.7E-03	5.1E-08	1.6E-02
7440-39-3	Barium	65.9	65.9	65.9					1.8E-03		7.6E-08	1.8E-03
7440-41-7	Beryllium and compounds	0.212	0.212	0.212			1.1E-13	1.1E-13	5.8E-04		6.1E-09	5.8E-04
7440-43-9	Cadmium (Diet)	0.181	0.181	0.181			7.0E-14	7.0E-14	9.9E-03	9.4E-04	1.0E-08	1.1E-02
16065-83-1	Chromium(III), Insoluble Salts	21	21	21					7.7E-05			7.7E-05
18540-29-9	Chromium(VI)	2.83	2.83	2.83	**1.3E-06**		1.8E-11	**1.3E-06**	1.7E-02		5.4E-08	1.7E-02
7440-48-4	Cobalt	9.19	9.19	9.19			1.8E-11	1.8E-11	1.7E-01		8.8E-07	1.7E-01
7440-50-8	Copper	23.6	23.6	23.6					3.2E-03			3.2E-03
123-91-1	Dioxane, 1,4-	0.00952	0.00952	0.00952	5.9E-10		1.4E-11	6.0E-10	1.7E-06		2.6E-07	2.0E-06
7439-92-1	~Lead and Compounds	23.4	23.4	23.4					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	386	386	386					8.8E-02		4.5E-06	8.8E-02
7440-02-0	Nickel Soluble Salts	7.28	7.28	7.28			4.1E-13	4.1E-13	2.0E-03		4.2E-07	2.0E-03
56-55-3	~Benz[a]anthracene	1.7	1.7	1.7	4.8E-07	1.6E-07	7.7E-10	6.4E-07				
50-32-8	~Benzo[a]pyrene	1.71	1.71	1.71	**4.8E-06**	**1.6E-06**	6.1E-13	**6.4E-06**	3.1E-02	9.6E-03	4.9E-07	4.1E-02
205-99-2	~Benzo[b]fluoranthene	3.04	3.04	3.04	8.5E-07	2.8E-07	1.1E-13	**1.1E-06**				
207-08-9	~Benzo[k]fluoranthene	1.25	1.25	1.25	3.5E-08	1.2E-08	4.5E-15	4.7E-08				
218-01-9	~Chrysene	1.9	1.9	1.9	5.3E-09	1.8E-09	6.8E-16	7.1E-09				
206-44-0	~Fluoranthene	3.96	3.96	3.96					5.4E-04	1.7E-04		7.1E-04
193-39-5	~Indeno[1,2,3-cd]pyrene	0.881	0.881	0.881	2.5E-07	8.2E-08	3.1E-14	3.3E-07				
129-00-0	~Pyrene	2.25	2.25	2.25					4.1E-04	1.3E-04		5.4E-04
7782-49-2	Selenium	0.211	0.211	0.211					2.3E-04		6.1E-12	2.3E-04
7440-22-4	Silver	0.242	0.242	0.242					2.7E-04			2.7E-04
7440-28-0	Thallium (Soluble Salts)	0.0385	0.0385	0.0385					2.1E-02			2.1E-02
7440-62-2	Vanadium and Compounds	28.5	28.5	28.5					3.1E-02		1.6E-07	3.1E-02
7440-66-6	Zinc and Compounds	69.1	69.1	69.1					1.3E-03			1.3E-03
						Cumulative:		1.1E-05				4.1E-01

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	Southside Park Landfill
Site Address:	Remount Road, Charlotte, Mecklenburg County North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000807
Exposure Unit ID:	Sediment Sample Risk Assessment SD-2
Submittal Date:	9/17/2025
Prepared By:	Clay Faircloth
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2A**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Sediment Sample Risk Assessment SD-2

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
0.0165	J	67-64-1	Acetone			mg/kg	SD-2									
0.269	J	7440-36-0	Antimony (metallic)			mg/kg	SD-2									
1.91		7440-38-2	Arsenic, Inorganic			mg/kg	SD-2									
50.7		7440-39-3	Barium			mg/kg	SD-2									
0.186	J	7440-41-7	Beryllium and compounds			mg/kg	SD-2									
0.28	J	7440-43-9	Cadmium (Diet)			mg/kg	SD-2									
27.9		16065-83-1	Chromium(III), Insoluble Salts			mg/kg	SD-2									
0.931		18540-29-9	Chromium(VI)			mg/kg	SD-2									
8.8		7440-48-4	Cobalt			mg/kg	SD-2									
19.1		7440-50-8	Copper			mg/kg	SD-2									
0.0255		123-91-1	Dioxane, 1,4-			mg/kg	SD-2									
24.4		7439-92-1	~Lead and Compounds			mg/kg	SD-2									
425		7439-96-5	Manganese (Non-diet)			mg/kg	SD-2									
7.58		7440-02-0	Nickel Soluble Salts			mg/kg	SD-2									
0.554	J	206-44-0	~Fluoranthene			mg/kg	SD-2									
0.152	J	7782-49-2	Selenium			mg/kg	SD-2									
0.164	J	7440-22-4	Silver			mg/kg	SD-2									
31.2		7440-62-2	Vanadium and Compounds			mg/kg	SD-2									
85		7440-66-6	Zinc and Compounds			mg/kg	SD-2									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Sediment Sample Risk Assessment SD-2

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	3.8E-06	8.2E-01	NO
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	6.8E-07	5.5E-02	NO
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	1.6E-06	3.5E-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: NONCD0000807

Exposure Unit ID: Sediment Sample Risk Assessment SD-2

** - 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	0.0165	0.0165	0.0165					2.3E-07			2.3E-07
7440-36-0	Antimony (metallic)	0.269	0.269	0.269					8.6E-03		1.4E-08	8.6E-03
7440-38-2	Arsenic, Inorganic	1.91	1.91	1.91	**2.5E-06**	3.5E-07	4.9E-11	2.8E-06	4.9E-02	5.8E-03	2.1E-06	5.5E-02
7440-39-3	Barium	50.7	50.7	50.7					3.2E-03		1.6E-06	3.2E-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)	0.28	0.28	0.28			3.0E-12	3.0E-12	3.6E-02	3.4E-03	4.5E-07	3.9E-02
16065-83-1	Chromium(III), Insoluble Salts	27.9	27.9	27.9					2.4E-04			2.4E-04
18540-29-9	Chromium(VI)	0.931	0.931	0.931	9.7E-07		1.7E-10	9.7E-07	1.3E-02		5.0E-07	1.3E-02
7440-48-4	Cobalt	8.8	8.8	8.8			4.8E-10	4.8E-10	**3.8E-01**		2.4E-05	**3.8E-01**
7440-50-8	Copper	19.1	19.1	19.1					6.1E-03			6.1E-03
123-91-1	Dioxane, 1,4-	0.0255	0.0255	0.0255	3.7E-09		1.1E-09	4.7E-09	1.1E-05		1.9E-05	3.0E-05
7439-92-1	~Lead and Compounds	24.4	24.4	24.4					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	425	425	425					**2.3E-01**		1.4E-04	**2.3E-01**
7440-02-0	Nickel Soluble Salts	7.58	7.58	7.58			1.2E-11	1.2E-11	4.8E-03		1.2E-05	4.9E-03
206-44-0	~Fluoranthene	0.554	0.554	0.554					1.8E-04	5.5E-05		2.3E-04
7782-49-2	Selenium	0.152	0.152	0.152					3.9E-04		1.2E-10	3.9E-04
7440-22-4	Silver	0.164	0.164	0.164					4.2E-04			4.2E-04
7440-62-2	Vanadium and Compounds	31.2	31.2	31.2					7.9E-02		5.0E-06	7.9E-02
7440-66-6	Zinc and Compounds	85	85	85					3.6E-03			3.6E-03
						Cumulative:		3.8E-06				8.2E-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: NONCD0000807

Exposure Unit ID: Sediment Sample Risk Assessment SD-2

** - 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	0.0165	0.0165	0.0165					1.6E-08			1.6E-08
7440-36-0	Antimony (metallic)	0.269	0.269	0.269					5.8E-04		3.5E-09	5.8E-04
7440-38-2	Arsenic, Inorganic	1.91	1.91	1.91	5.3E-07	1.1E-07	1.1E-11	6.4E-07	3.3E-03	6.9E-04	4.9E-07	4.0E-03
7440-39-3	Barium	50.7	50.7	50.7					2.2E-04		3.9E-07	2.2E-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)	0.28	0.28	0.28			6.9E-13	6.9E-13	2.4E-03	4.1E-04	1.1E-07	2.8E-03
16065-83-1	Chromium(III), Insoluble Salts	27.9	27.9	27.9					1.6E-05			1.6E-05
18540-29-9	Chromium(VI)	0.931	0.931	0.931	4.6E-08		1.4E-11	4.6E-08	8.9E-04		1.2E-07	8.9E-04
7440-48-4	Cobalt	8.8	8.8	8.8			1.1E-10	1.1E-10	2.5E-02		5.6E-06	2.5E-02
7440-50-8	Copper	19.1	19.1	19.1					4.1E-04			4.1E-04
123-91-1	Dioxane, 1,4-	0.0255	0.0255	0.0255	7.8E-10		2.5E-10	1.0E-09	7.3E-07		4.6E-06	5.3E-06
7439-92-1	~Lead and Compounds	24.4	24.4	24.4					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	425	425	425					1.5E-02		3.3E-05	1.5E-02
7440-02-0	Nickel Soluble Salts	7.58	7.58	7.58			2.7E-12	2.7E-12	3.2E-04		2.9E-06	3.3E-04
206-44-0	~Fluoranthene	0.554	0.554	0.554					1.2E-05	6.5E-06		1.8E-05
7782-49-2	Selenium	0.152	0.152	0.152					2.6E-05		2.9E-11	2.6E-05
7440-22-4	Silver	0.164	0.164	0.164					2.8E-05			2.8E-05
7440-62-2	Vanadium and Compounds	31.2	31.2	31.2					5.3E-03		1.2E-06	5.3E-03
7440-66-6	Zinc and Compounds	85	85	85					2.4E-04			2.4E-04
						Cumulative:		6.8E-07				5.5E-02

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Soil **Output Form 2F**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Sediment Sample Risk Assessment SD-2

** - 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	0.0165	0.0165	0.0165					1.0E-07			1.0E-07
7440-36-0	Antimony (metallic)	0.269	0.269	0.269					3.7E-03		5.2E-10	3.7E-03
7440-38-2	Arsenic, Inorganic	1.91	1.91	1.91	**1.1E-06**	1.5E-07	1.8E-12	**1.2E-06**	2.1E-02	2.5E-03	7.4E-08	2.3E-02
7440-39-3	Barium	50.7	50.7	50.7					1.4E-03		5.9E-08	1.4E-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)	0.28	0.28	0.28			1.1E-13	1.1E-13	1.5E-02	1.5E-03	1.6E-08	1.7E-02
16065-83-1	Chromium(III), Insoluble Salts	27.9	27.9	27.9					1.0E-04			1.0E-04
18540-29-9	Chromium(VI)	0.931	0.931	0.931	4.2E-07		6.1E-12	4.2E-07	5.7E-03		1.8E-08	5.7E-03
7440-48-4	Cobalt	8.8	8.8	8.8			1.7E-11	1.7E-11	1.6E-01		8.5E-07	1.6E-01
7440-50-8	Copper	19.1	19.1	19.1					2.6E-03			2.6E-03
123-91-1	Dioxane, 1,4-	0.0255	0.0255	0.0255	1.6E-09		3.8E-11	1.6E-09	4.7E-06		6.9E-07	5.3E-06
7439-92-1	~Lead and Compounds	24.4	24.4	24.4					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	425	425	425					9.7E-02		4.9E-06	9.7E-02
7440-02-0	Nickel Soluble Salts	7.58	7.58	7.58			4.2E-13	4.2E-13	2.1E-03		4.4E-07	2.1E-03
206-44-0	~Fluoranthene	0.554	0.554	0.554					7.6E-05	2.3E-05		9.9E-05
7782-49-2	Selenium	0.152	0.152	0.152					1.7E-04		4.4E-12	1.7E-04
7440-22-4	Silver	0.164	0.164	0.164					1.8E-04			1.8E-04
7440-62-2	Vanadium and Compounds	31.2	31.2	31.2					3.4E-02		1.8E-07	3.4E-02
7440-66-6	Zinc and Compounds	85	85	85					1.6E-03			1.6E-03
						Cumulative:		1.6E-06				3.5E-01

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	Southside Park Landfill
Site Address:	Remount Road, Charlotte, Mecklenburg County North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000807
Exposure Unit ID:	Sediment Sample Risk Assessment SD-3
Submittal Date:	9/17/2025
Prepared By:	Clay Faircloth
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2A**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Sediment Sample Risk Assessment SD-3

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
0.0376		67-64-1	Acetone			mg/kg	SD-3									
1.02		7440-38-2	Arsenic, Inorganic			mg/kg	SD-3									
55		7440-39-3	Barium			mg/kg	SD-3									
0.14	J	7440-41-7	Beryllium and compounds			mg/kg	SD-3									
0.119	J	7440-43-9	Cadmium (Diet)			mg/kg	SD-3									
14.4		16065-83-1	Chromium(III), Insoluble Salts			mg/kg	SD-3									
10.6		7440-48-4	Cobalt			mg/kg	SD-3									
26.4		7440-50-8	Copper			mg/kg	SD-3									
0.0091		123-91-1	Dioxane, 1,4-			mg/kg	SD-3									
10.4		7439-92-1	~Lead and Compounds			mg/kg	SD-3									
259		7439-96-5	Manganese (Non-diet)			mg/kg	SD-3									
9.45		7440-02-0	Nickel Soluble Salts			mg/kg	SD-3									
0.184	J	7782-49-2	Selenium			mg/kg	SD-3									
0.0877	J	7440-22-4	Silver			mg/kg	SD-3									
25.5		7440-62-2	Vanadium and Compounds			mg/kg	SD-3									
44.9		7440-66-6	Zinc and Compounds			mg/kg	SD-3									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Sediment Sample Risk Assessment SD-3

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	1.5E-06	7.2E-01	NO
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	3.4E-07	4.9E-02	NO
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	6.5E-07	3.1E-01	NO
	Surface Water*	NC	NC	NC

VAPOR INTRUSION CALCULATORS

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

CONTAMINANT MIGRATION CALCULATORS

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

Notes:

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

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

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Sediment Sample Risk Assessment SD-3

** - 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	0.0376	0.0376	0.0376					5.3E-07			5.3E-07
7440-38-2	Arsenic, Inorganic	1.02	1.02	1.02	**1.3E-06**	1.9E-07	2.6E-11	1.5E-06	2.6E-02	3.1E-03	1.1E-06	2.9E-02
7440-39-3	Barium	55	55	55					3.5E-03		1.8E-06	3.5E-03
7440-41-7	Beryllium and compounds	0.14	0.14	0.14			2.0E-12	2.0E-12	8.9E-04		1.1E-07	9.0E-04
7440-43-9	Cadmium (Diet)	0.119	0.119	0.119			1.3E-12	1.3E-12	1.5E-02	1.4E-03	1.9E-07	1.7E-02
16065-83-1	Chromium(III), Insoluble Salts	14.4	14.4	14.4					1.2E-04			1.2E-04
7440-48-4	Cobalt	10.6	10.6	10.6			5.7E-10	5.7E-10	**4.5E-01**		2.9E-05	**4.5E-01**
7440-50-8	Copper	26.4	26.4	26.4					8.4E-03			8.4E-03
123-91-1	Dioxane, 1,4-	0.0091	0.0091	0.0091	1.3E-09		3.8E-10	1.7E-09	3.9E-06		6.9E-06	1.1E-05
7439-92-1	~Lead and Compounds	10.4	10.4	10.4					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	259	259	259					1.4E-01		8.4E-05	1.4E-01
7440-02-0	Nickel Soluble Salts	9.45	9.45	9.45			1.5E-11	1.5E-11	6.0E-03		1.5E-05	6.1E-03
7782-49-2	Selenium	0.184	0.184	0.184					4.7E-04		1.5E-10	4.7E-04
7440-22-4	Silver	0.0877	0.0877	0.0877					2.2E-04			2.2E-04
7440-62-2	Vanadium and Compounds	25.5	25.5	25.5					6.5E-02		4.1E-06	6.5E-02
7440-66-6	Zinc and Compounds	44.9	44.9	44.9					1.9E-03			1.9E-03
						Cumulative:		1.5E-06				7.2E-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: NONCD0000807

Exposure Unit ID: Sediment Sample Risk Assessment SD-3

** - 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	0.0376	0.0376	0.0376					3.6E-08			3.6E-08
7440-38-2	Arsenic, Inorganic	1.02	1.02	1.02	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	55	55	55					2.4E-04		4.2E-07	2.4E-04
7440-41-7	Beryllium and compounds	0.14	0.14	0.14			4.6E-13	4.6E-13	6.0E-05		2.7E-08	6.0E-05
7440-43-9	Cadmium (Diet)	0.119	0.119	0.119			2.9E-13	2.9E-13	1.0E-03	1.7E-04	4.6E-08	1.2E-03
16065-83-1	Chromium(III), Insoluble Salts	14.4	14.4	14.4					8.2E-06			8.2E-06
7440-48-4	Cobalt	10.6	10.6	10.6			1.3E-10	1.3E-10	3.0E-02		6.8E-06	3.0E-02
7440-50-8	Copper	26.4	26.4	26.4					5.7E-04			5.7E-04
123-91-1	Dioxane, 1,4-	0.0091	0.0091	0.0091	2.8E-10		8.8E-11	3.7E-10	2.6E-07		1.6E-06	1.9E-06
7439-92-1	~Lead and Compounds	10.4	10.4	10.4					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	259	259	259					9.2E-03		2.0E-05	9.3E-03
7440-02-0	Nickel Soluble Salts	9.45	9.45	9.45			3.4E-12	3.4E-12	4.0E-04		3.6E-06	4.1E-04
7782-49-2	Selenium	0.184	0.184	0.184					3.2E-05		3.5E-11	3.2E-05
7440-22-4	Silver	0.0877	0.0877	0.0877					1.5E-05			1.5E-05
7440-62-2	Vanadium and Compounds	25.5	25.5	25.5					4.3E-03		9.8E-07	4.3E-03
7440-66-6	Zinc and Compounds	44.9	44.9	44.9					1.3E-04			1.3E-04
						Cumulative:		3.4E-07				4.9E-02

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Soil **Output Form 2F**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Sediment Sample Risk Assessment SD-3

** - 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	0.0376	0.0376	0.0376					2.3E-07			2.3E-07
7440-38-2	Arsenic, Inorganic	1.02	1.02	1.02	5.7E-07	8.0E-08	9.4E-13	6.5E-07	1.1E-02	1.3E-03	3.9E-08	1.3E-02
7440-39-3	Barium	55	55	55					1.5E-03		6.3E-08	1.5E-03
7440-41-7	Beryllium and compounds	0.14	0.14	0.14			7.2E-14	7.2E-14	3.8E-04		4.0E-09	3.8E-04
7440-43-9	Cadmium (Diet)	0.119	0.119	0.119			4.6E-14	4.6E-14	6.5E-03	6.2E-04	6.9E-09	7.1E-03
16065-83-1	Chromium(III), Insoluble Salts	14.4	14.4	14.4					5.3E-05			5.3E-05
7440-48-4	Cobalt	10.6	10.6	10.6			2.0E-11	2.0E-11	1.9E-01		1.0E-06	1.9E-01
7440-50-8	Copper	26.4	26.4	26.4					3.6E-03			3.6E-03
123-91-1	Dioxane, 1,4-	0.0091	0.0091	0.0091	5.6E-10		1.4E-11	5.7E-10	1.7E-06		2.5E-07	1.9E-06
7439-92-1	~Lead and Compounds	10.4	10.4	10.4					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	259	259	259					5.9E-02		3.0E-06	5.9E-02
7440-02-0	Nickel Soluble Salts	9.45	9.45	9.45			5.3E-13	5.3E-13	2.6E-03		5.5E-07	2.6E-03
7782-49-2	Selenium	0.184	0.184	0.184					2.0E-04		5.3E-12	2.0E-04
7440-22-4	Silver	0.0877	0.0877	0.0877					9.6E-05			9.6E-05
7440-62-2	Vanadium and Compounds	25.5	25.5	25.5					2.8E-02		1.5E-07	2.8E-02
7440-66-6	Zinc and Compounds	44.9	44.9	44.9					8.2E-04			8.2E-04
						Cumulative:		6.5E-07				3.1E-01

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	Southside Park Landfill
Site Address:	Remount Road, Charlotte, Mecklenburg County North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000807
Exposure Unit ID:	Sediment Sample Risk Assessment SD-4
Submittal Date:	9/18/2025
Prepared By:	Clay Faircloth
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2A**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Sediment Sample Risk Assessment SD-4

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
0.0209		67-64-1	Acetone			mg/kg	SD-4									
542	J	7664-41-7	Ammonia			mg/kg	SD-4									
0.282	J	7440-36-0	Antimony (metallic)			mg/kg	SD-4									
0.926		7440-38-2	Arsenic, Inorganic			mg/kg	SD-4									
45.4		7440-39-3	Barium			mg/kg	SD-4									
0.199	J	7440-41-7	Beryllium and compounds			mg/kg	SD-4									
0.101	J	7440-43-9	Cadmium (Diet)			mg/kg	SD-4									
36.8		16065-83-1	Chromium(III), Insoluble Salts			mg/kg	SD-4									
1.64		18540-29-9	Chromium(VI)			mg/kg	SD-4									
11.7		7440-48-4	Cobalt			mg/kg	SD-4									
14.1		7440-50-8	Copper			mg/kg	SD-4									
0.037		123-91-1	Dioxane, 1,4-			mg/kg	SD-4									
31.2		7439-92-1	~Lead and Compounds			mg/kg	SD-4									
475		7439-96-5	Manganese (Non-diet)			mg/kg	SD-4									
0.0044	J	78-93-3	Methyl Ethyl Ketone (2-Butanone)			mg/kg	SD-4									
6.25		7440-02-0	Nickel Soluble Salts			mg/kg	SD-4									
0.162	J	7782-49-2	Selenium			mg/kg	SD-4									
0.0283	J	7440-22-4	Silver			mg/kg	SD-4									
39.9		7440-62-2	Vanadium and Compounds			mg/kg	SD-4									
42.4		7440-66-6	Zinc and Compounds			mg/kg	SD-4									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Sediment Sample Risk Assessment SD-4

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	3.1E-06	9.4E-01	NO
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	3.9E-07	6.3E-02	NO
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	1.3E-06	4.0E-01	NO
	Surface Water*	NC	NC	NC

VAPOR INTRUSION CALCULATORS

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

CONTAMINANT MIGRATION CALCULATORS

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

Notes:

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

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

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Sediment Sample Risk Assessment SD-4

** - 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	0.0209	0.0209	0.0209					3.0E-07			3.0E-07
7664-41-7	Ammonia	542	542	542							1.8E-08	1.8E-08
7440-36-0	Antimony (metallic)	0.282	0.282	0.282					9.0E-03		1.5E-08	9.0E-03
7440-38-2	Arsenic, Inorganic	0.926	0.926	0.926	**1.2E-06**	1.7E-07	2.4E-11	1.4E-06	2.4E-02	2.8E-03	1.0E-06	2.6E-02
7440-39-3	Barium	45.4	45.4	45.4					2.9E-03		1.5E-06	2.9E-03
7440-41-7	Beryllium and compounds	0.199	0.199	0.199			2.9E-12	2.9E-12	1.3E-03		1.6E-07	1.3E-03
7440-43-9	Cadmium (Diet)	0.101	0.101	0.101			1.1E-12	1.1E-12	1.3E-02	1.2E-03	1.6E-07	1.4E-02
16065-83-1	Chromium(III), Insoluble Salts	36.8	36.8	36.8					3.1E-04			3.1E-04
18540-29-9	Chromium(VI)	1.64	1.64	1.64	**1.7E-06**		3.0E-10	1.7E-06	2.3E-02		8.8E-07	2.3E-02
7440-48-4	Cobalt	11.7	11.7	11.7			6.3E-10	6.3E-10	**5.0E-01**		3.2E-05	**5.0E-01**
7440-50-8	Copper	14.1	14.1	14.1					4.5E-03			4.5E-03
123-91-1	Dioxane, 1,4-	0.037	0.037	0.037	5.3E-09		1.6E-09	6.9E-09	1.6E-05		2.8E-05	4.4E-05
7439-92-1	~Lead and Compounds	31.2	31.2	31.2					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	475	475	475					**2.5E-01**		1.5E-04	**2.5E-01**
78-93-3	Methyl Ethyl Ketone (2-Butanone)	0.0044	0.0044	0.0044					9.4E-08		6.5E-08	1.6E-07
7440-02-0	Nickel Soluble Salts	6.25	6.25	6.25			9.8E-12	9.8E-12	4.0E-03		1.0E-05	4.0E-03
7782-49-2	Selenium	0.162	0.162	0.162					4.1E-04		1.3E-10	4.1E-04
7440-22-4	Silver	0.0283	0.0283	0.0283					7.2E-05			7.2E-05
7440-62-2	Vanadium and Compounds	39.9	39.9	39.9					1.0E-01		6.4E-06	1.0E-01
7440-66-6	Zinc and Compounds	42.4	42.4	42.4					1.8E-03			1.8E-03
						Cumulative:		3.1E-06				9.4E-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: NONCD0000807

Exposure Unit ID: Sediment Sample Risk Assessment SD-4

** - 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	0.0209	0.0209	0.0209					2.0E-08			2.0E-08
7664-41-7	Ammonia	542	542	542							4.2E-09	4.2E-09
7440-36-0	Antimony (metallic)	0.282	0.282	0.282					6.0E-04		3.6E-09	6.0E-04
7440-38-2	Arsenic, Inorganic	0.926	0.926	0.926	2.5E-07	5.4E-08	5.5E-12	3.1E-07	1.6E-03	3.4E-04	2.4E-07	1.9E-03
7440-39-3	Barium	45.4	45.4	45.4					1.9E-04		3.5E-07	1.9E-04
7440-41-7	Beryllium and compounds	0.199	0.199	0.199			6.6E-13	6.6E-13	8.5E-05		3.8E-08	8.5E-05
7440-43-9	Cadmium (Diet)	0.101	0.101	0.101			2.5E-13	2.5E-13	8.6E-04	1.5E-04	3.9E-08	1.0E-03
16065-83-1	Chromium(III), Insoluble Salts	36.8	36.8	36.8					2.1E-05			2.1E-05
18540-29-9	Chromium(VI)	1.64	1.64	1.64	8.0E-08		2.5E-11	8.0E-08	1.6E-03		2.1E-07	1.6E-03
7440-48-4	Cobalt	11.7	11.7	11.7			1.4E-10	1.4E-10	3.3E-02		7.5E-06	3.3E-02
7440-50-8	Copper	14.1	14.1	14.1					3.0E-04			3.0E-04
123-91-1	Dioxane, 1,4-	0.037	0.037	0.037	1.1E-09		3.6E-10	1.5E-09	1.1E-06		6.7E-06	7.7E-06
7439-92-1	~Lead and Compounds	31.2	31.2	31.2					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	475	475	475					1.7E-02		3.7E-05	1.7E-02
78-93-3	Methyl Ethyl Ketone (2-Butanone)	0.0044	0.0044	0.0044					6.3E-09		1.5E-08	2.2E-08
7440-02-0	Nickel Soluble Salts	6.25	6.25	6.25			2.2E-12	2.2E-12	2.7E-04		2.4E-06	2.7E-04
7782-49-2	Selenium	0.162	0.162	0.162					2.8E-05		3.1E-11	2.8E-05
7440-22-4	Silver	0.0283	0.0283	0.0283					4.8E-06			4.8E-06
7440-62-2	Vanadium and Compounds	39.9	39.9	39.9					6.8E-03		1.5E-06	6.8E-03
7440-66-6	Zinc and Compounds	42.4	42.4	42.4					1.2E-04			1.2E-04
						Cumulative:		3.9E-07				6.3E-02

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Soil **Output Form 2F**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Sediment Sample Risk Assessment SD-4

** - 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	0.0209	0.0209	0.0209					1.3E-07			1.3E-07
7664-41-7	Ammonia	542	542	542							6.3E-10	6.3E-10
7440-36-0	Antimony (metallic)	0.282	0.282	0.282					3.9E-03		5.4E-10	3.9E-03
7440-38-2	Arsenic, Inorganic	0.926	0.926	0.926	5.1E-07	7.2E-08	8.5E-13	5.9E-07	1.0E-02	1.2E-03	3.6E-08	1.1E-02
7440-39-3	Barium	45.4	45.4	45.4					1.2E-03		5.2E-08	1.2E-03
7440-41-7	Beryllium and compounds	0.199	0.199	0.199			1.0E-13	1.0E-13	5.5E-04		5.7E-09	5.5E-04
7440-43-9	Cadmium (Diet)	0.101	0.101	0.101			3.9E-14	3.9E-14	5.5E-03	5.3E-04	5.8E-09	6.1E-03
16065-83-1	Chromium(III), Insoluble Salts	36.8	36.8	36.8					1.3E-04			1.3E-04
18540-29-9	Chromium(VI)	1.64	1.64	1.64	7.3E-07		1.1E-11	7.3E-07	1.0E-02		3.2E-08	1.0E-02
7440-48-4	Cobalt	11.7	11.7	11.7			2.3E-11	2.3E-11	**2.1E-01**		1.1E-06	**2.1E-01**
7440-50-8	Copper	14.1	14.1	14.1					1.9E-03			1.9E-03
123-91-1	Dioxane, 1,4-	0.037	0.037	0.037	2.3E-09		5.6E-11	2.3E-09	6.8E-06		1.0E-06	7.8E-06
7439-92-1	~Lead and Compounds	31.2	31.2	31.2					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	475	475	475					1.1E-01		5.5E-06	1.1E-01
78-93-3	Methyl Ethyl Ketone (2-Butanone)	0.0044	0.0044	0.0044					4.0E-08		2.3E-09	4.3E-08
7440-02-0	Nickel Soluble Salts	6.25	6.25	6.25			3.5E-13	3.5E-13	1.7E-03		3.6E-07	1.7E-03
7782-49-2	Selenium	0.162	0.162	0.162					1.8E-04		4.7E-12	1.8E-04
7440-22-4	Silver	0.0283	0.0283	0.0283					3.1E-05			3.1E-05
7440-62-2	Vanadium and Compounds	39.9	39.9	39.9					4.3E-02		2.3E-07	4.3E-02
7440-66-6	Zinc and Compounds	42.4	42.4	42.4					7.7E-04			7.7E-04
						Cumulative:		1.3E-06				4.0E-01

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	Southside Park Landfill
Site Address:	Remount Road, Charlotte, Mecklenburg County North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000807
Exposure Unit ID:	Sediment Sample Risk Assessment SD-5
Submittal Date:	9/18/2025
Prepared By:	Clay Faircloth
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2A**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Sediment Sample Risk Assessment SD-5

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
0.0799		67-64-1	Acetone			mg/kg	SD-5									
695	J	7664-41-7	Ammonia			mg/kg	SD-5									
1.4		7440-38-2	Arsenic, Inorganic			mg/kg	SD-5									
90		7440-39-3	Barium			mg/kg	SD-5									
0.504		7440-41-7	Beryllium and compounds			mg/kg	SD-5									
0.168	J	7440-43-9	Cadmium (Diet)			mg/kg	SD-5									
38.1		16065-83-1	Chromium(III), Insoluble Salts			mg/kg	SD-5									
1.15		18540-29-9	Chromium(VI)			mg/kg	SD-5									
23.7		7440-48-4	Cobalt			mg/kg	SD-5									
35.5		7440-50-8	Copper			mg/kg	SD-5									
26.1		7439-92-1	~Lead and Compounds			mg/kg	SD-5									
559		7439-96-5	Manganese (Non-diet)			mg/kg	SD-5									
8.29		7440-02-0	Nickel Soluble Salts			mg/kg	SD-5									
0.31	J	7782-49-2	Selenium			mg/kg	SD-5									
0.0192	J	7440-22-4	Silver			mg/kg	SD-5									
0.0495	J	7440-28-0	Thallium (Soluble Salts)			mg/kg	SD-5									
93		7440-62-2	Vanadium and Compounds			mg/kg	SD-5									
108		7440-66-6	Zinc and Compounds			mg/kg	SD-5									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Sediment Sample Risk Assessment SD-5

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	3.3E-06	1.7E+00	YES
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	5.2E-07	1.2E-01	NO
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	1.4E-06	7.4E-01	NO
	Surface Water*	NC	NC	NC

VAPOR INTRUSION CALCULATORS

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

CONTAMINANT MIGRATION CALCULATORS

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

Notes:

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

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

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Sediment Sample Risk Assessment SD-5

** - 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	0.0799	0.0799	0.0799					1.1E-06			1.1E-06
7664-41-7	Ammonia	695	695	695							2.2E-08	2.2E-08
7440-38-2	Arsenic, Inorganic	1.4	1.4	1.4	**1.8E-06**	2.5E-07	3.6E-11	2.1E-06	3.6E-02	4.2E-03	1.5E-06	4.0E-02
7440-39-3	Barium	90	90	90					5.8E-03		2.9E-06	5.8E-03
7440-41-7	Beryllium and compounds	0.504	0.504	0.504			7.3E-12	7.3E-12	3.2E-03		4.1E-07	3.2E-03
7440-43-9	Cadmium (Diet)	0.168	0.168	0.168			1.8E-12	1.8E-12	2.1E-02	2.0E-03	2.7E-07	2.4E-02
16065-83-1	Chromium(III), Insoluble Salts	38.1	38.1	38.1					3.2E-04			3.2E-04
18540-29-9	Chromium(VI)	1.15	1.15	1.15	**1.2E-06**		2.1E-10	1.2E-06	1.6E-02		6.2E-07	1.6E-02
7440-48-4	Cobalt	23.7	23.7	23.7			1.3E-09	1.3E-09	**1.0E+00**		6.4E-05	**1.0E+00**
7440-50-8	Copper	35.5	35.5	35.5					1.1E-02			1.1E-02
7439-92-1	~Lead and Compounds	26.1	26.1	26.1					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	559	559	559					**3.0E-01**		1.8E-04	**3.0E-01**
7440-02-0	Nickel Soluble Salts	8.29	8.29	8.29			1.3E-11	1.3E-11	5.3E-03		1.3E-05	5.3E-03
7782-49-2	Selenium	0.31	0.31	0.31					7.9E-04		2.5E-10	7.9E-04
7440-22-4	Silver	0.0192	0.0192	0.0192					4.9E-05			4.9E-05
7440-28-0	Thallium (Soluble Salts)	0.0495	0.0495	0.0495					6.3E-02			6.3E-02
7440-62-2	Vanadium and Compounds	93	93	93					**2.4E-01**		1.5E-05	**2.4E-01**
7440-66-6	Zinc and Compounds	108	108	108					4.6E-03			4.6E-03
						Cumulative:		3.3E-06				**1.7E+00**

DEQ Risk Calculator - Direct Contact - Non-Residential Worker Soil **Output Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Sediment Sample Risk Assessment SD-5

** - 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	0.0799	0.0799	0.0799					7.6E-08			7.6E-08
7664-41-7	Ammonia	695	695	695							5.3E-09	5.3E-09
7440-38-2	Arsenic, Inorganic	1.4	1.4	1.4	3.9E-07	8.2E-08	8.3E-12	4.7E-07	2.4E-03	5.1E-04	3.6E-07	2.9E-03
7440-39-3	Barium	90	90	90					3.9E-04		6.9E-07	3.9E-04
7440-41-7	Beryllium and compounds	0.504	0.504	0.504			1.7E-12	1.7E-12	2.2E-04		9.7E-08	2.2E-04
7440-43-9	Cadmium (Diet)	0.168	0.168	0.168			4.2E-13	4.2E-13	1.4E-03	2.4E-04	6.5E-08	1.7E-03
16065-83-1	Chromium(III), Insoluble Salts	38.1	38.1	38.1					2.2E-05			2.2E-05
18540-29-9	Chromium(VI)	1.15	1.15	1.15	5.6E-08		1.7E-11	5.6E-08	1.1E-03		1.5E-07	1.1E-03
7440-48-4	Cobalt	23.7	23.7	23.7			2.9E-10	2.9E-10	6.8E-02		1.5E-05	6.8E-02
7440-50-8	Copper	35.5	35.5	35.5					7.6E-04			7.6E-04
7439-92-1	~Lead and Compounds	26.1	26.1	26.1					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	559	559	559					2.0E-02		4.3E-05	2.0E-02
7440-02-0	Nickel Soluble Salts	8.29	8.29	8.29			3.0E-12	3.0E-12	3.5E-04		3.2E-06	3.6E-04
7782-49-2	Selenium	0.31	0.31	0.31					5.3E-05		6.0E-11	5.3E-05
7440-22-4	Silver	0.0192	0.0192	0.0192					3.3E-06			3.3E-06
7440-28-0	Thallium (Soluble Salts)	0.0495	0.0495	0.0495					4.2E-03			4.2E-03
7440-62-2	Vanadium and Compounds	93	93	93					1.6E-02		3.6E-06	1.6E-02
7440-66-6	Zinc and Compounds	108	108	108					3.1E-04			3.1E-04
						Cumulative:		5.2E-07				1.2E-01

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Soil **Output Form 2F**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Sediment Sample Risk Assessment SD-5

** - 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	0.0799	0.0799	0.0799					4.9E-07			4.9E-07
7664-41-7	Ammonia	695	695	695							8.0E-10	8.0E-10
7440-38-2	Arsenic, Inorganic	1.4	1.4	1.4	7.8E-07	1.1E-07	1.3E-12	8.9E-07	1.5E-02	1.8E-03	5.4E-08	1.7E-02
7440-39-3	Barium	90	90	90					2.5E-03		1.0E-07	2.5E-03
7440-41-7	Beryllium and compounds	0.504	0.504	0.504			2.6E-13	2.6E-13	1.4E-03		1.5E-08	1.4E-03
7440-43-9	Cadmium (Diet)	0.168	0.168	0.168			6.5E-14	6.5E-14	9.2E-03	8.7E-04	9.7E-09	1.0E-02
16065-83-1	Chromium(III), Insoluble Salts	38.1	38.1	38.1					1.4E-04			1.4E-04
18540-29-9	Chromium(VI)	1.15	1.15	1.15	5.1E-07		7.5E-12	5.1E-07	7.0E-03		2.2E-08	7.0E-03
7440-48-4	Cobalt	23.7	23.7	23.7			4.6E-11	4.6E-11	**4.3E-01**		2.3E-06	**4.3E-01**
7440-50-8	Copper	35.5	35.5	35.5					4.9E-03			4.9E-03
7439-92-1	~Lead and Compounds	26.1	26.1	26.1					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	559	559	559					1.3E-01		6.5E-06	1.3E-01
7440-02-0	Nickel Soluble Salts	8.29	8.29	8.29			4.6E-13	4.6E-13	2.3E-03		4.8E-07	2.3E-03
7782-49-2	Selenium	0.31	0.31	0.31					3.4E-04		8.9E-12	3.4E-04
7440-22-4	Silver	0.0192	0.0192	0.0192					2.1E-05			2.1E-05
7440-28-0	Thallium (Soluble Salts)	0.0495	0.0495	0.0495					2.7E-02			2.7E-02
7440-62-2	Vanadium and Compounds	93	93	93					1.0E-01		5.4E-07	1.0E-01
7440-66-6	Zinc and Compounds	108	108	108					2.0E-03			2.0E-03
						Cumulative:		1.4E-06				7.4E-01