



Remedial Investigation Report  
City of Durham Parks – East Durham Park, NONCD0000821  
2500 East Main Street, Durham, North Carolina  
Task Orders 821RI-12/12A  
S&ME Project No. 23050630

PREPARED FOR:

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

PREPARED BY:

**S&ME, Inc.  
3201 Spring Forest Road  
Raleigh, NC 27616**

**April 6, 2026**



April 6, 2026

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

Attention: Mr. Kevin Kelt via email: [kevin.kelt@deq.nc.gov](mailto:kevin.kelt@deq.nc.gov)  
Hydrogeologist

Reference: **Remedial Investigation - Soil Gas, Groundwater & Surface Water/Sediment Report  
East Durham Park – 2500 East Main Street**  
Durham, Durham County, North Carolina  
NCDEQ ID No. NONCD0000821  
NCDEQ Task Orders 821RI-12/12A  
S&ME Project No. 23050630

Dear Mr. Kelt:

S&ME, Inc. (S&ME) is submitting this report summarizing the results of the Remedial Investigation Waste Delineation activities conducted at the above-referenced site in Durham, North Carolina. S&ME completed this investigation in general conformance with S&ME Proposal No. 23050630BI, dated July 18, 2025, for Task Orders 821RI-12/12A 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.**

A handwritten signature in blue ink, appearing to read 'Clay Faircloth'.

Clay Faircloth  
Staff Professional II  
[cfaircloth@smeinc.com](mailto:cfaircloth@smeinc.com)

A handwritten signature in blue ink, appearing to read 'Gerald Paul'.

Gerald Paul  
Senior Project Manager  
[jpaul@smeinc.com](mailto:jpaul@smeinc.com)

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

Attachment: Remedial Investigation Report



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## 1.0 Summary of Current Investigation

S&ME completed the following Scope of Services listed below for this investigation in general conformance with S&ME Proposal No. 23050630BI, dated July 18, 2025, for Task Order 821RI-12/12A under the terms of Contract Number N42621-B, dated January 4, 2022, between NCDEQ and S&ME.

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

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

## 2.0 Landfill Gas Assessment

### 2.1 Soil Gas Probe Field Screening Methods

The landfill gas probe (LFGP) and landfill gas implant (LFGI) construction details are presented in **Table 1** and the location of the LFGPs are shown in **Figure 1**. The Coordinates of Selected Features are included in **Appendix I**. On November 4, 2025, landfill gas and offsite soil gas probes and implants that did not have high water levels were screened for landfill gas. **Table 2 and Figure 2** show the data from the field screening event. Portable meters were used to collect the following parameters at each soil gas probe, soil gas implant, and background screening location:

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

Each of the meters listed above has an internal pump, which was used to draw air samples from the gas probe through the portable meters. New Teflon<sup>®</sup> 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**.

## 2.2 Landfill Gas Screening Results

### 2.2.1 Volatile Organic Compounds

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

### 2.2.2 Methane

During the screening event, methane was not detected at any sample locations nor any of the background screening locations.

### 2.2.3 Hydrogen Sulfide

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

The landfill gas screening results are summarized in **Table 2**.

## 2.3 Landfill Gas Sampling

On November 13, 2025, through November 14, 2025, S&ME personnel used batch-certified sampling canisters to collect samples (including duplicate samples) from nine landfill gas probes and implants for laboratory analysis of VOCs by EPA Method TO-15, Methane by ASTM D1946, Hydrogen sulfide by ASTM D5504, and Mercury by NIOSH 6009.

### 2.3.1 Shut-in Testing

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

### 2.3.2 Helium Leak Testing

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



monitored for leaks by using a calibrated personal pump to purge air from the sampling array into a Tedlar® bag.

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

### 2.3.3 *Purging and Sampling*

After successfully passing the leak test, a minimum of three volumes of air were purged from the gas probes and sampling arrays. After purging the sampling array, the ball valve attachment on the T-connector leading to the purge point was closed and the valve on the regulator was opened to allow the collection of the samples into SILO canisters for VOC analysis by EPA Method TO-15. Samples were then collected for Mercury analysis by NIOSH 6009 utilizing sorbent tubes and personal pumps. Finally, samples were collected with a pump into Tedlar® bags for Hydrogen Sulfide analysis by ASTM Method D5504.

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

## 2.4 **Landfill Gas Sample Results**

Due to gas composition and laboratory instrument limitations, the landfill gas samples were diluted, resulting in higher laboratory detection limits. Sample dilutions result in higher 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.

The laboratory reported detections of multiple volatile organic compounds in the landfill gas samples. The NCDEQ Risk Calculator was used to assess the risk of soil gas to indoor air pathways. The Residential Receptor Risk was not exceeded at any sample location. Hydrogen Sulfide was not detected at any sample location. Methane was detected at multiple sample locations but not at any concentrations greater than the Lower Explosive Limit (LEL). See **Section 5.0** for the Risk Calculator details.

A summary of the laboratory results is included in **Table 3**, and the results of the NCDEQ Risk Calculator Residential and Non-Residential Vapor Intrusion risk levels are shown in **Figure 2**. The laboratory reports and chain of custody forms are included in **Appendix IV**.



## 3.0 Groundwater Assessment

### 3.1 Monitor Well Purging and Sampling

The monitor well construction details are presented in **Table 4**, and the location of the monitor wells are shown on **Figure 1**. The Coordinates of Selected Features is included in **Appendix I**.

On October 15, 2025, the depth to groundwater was measured in each well with an electronic water level meter. A licensed surveyor located and measured horizontal coordinates and vertical elevations for the monitor wells under Task Order 821DP-6. The approximate depth of groundwater and elevations at each monitor well are displayed on **Table 4** and are represented on **Figure 4**. Groundwater generally flows from the south to the north towards the surface water feature in the center of the site.

Before sample collection, the monitor wells were purged using a monsoon pump or peristaltic pump, and field parameter data (pH, temperature, conductivity, and turbidity) was recorded (**Table 5**). Groundwater sampling field forms are included with the field documents in **Appendix II**. Once three well volumes were purged, groundwater samples were collected, placed on ice, and sent under the chain-of-custody protocol to Eurofins Environment Testing America (Eurofins) in Savannah, Georgia for analysis of VOCs by EPA Method 8260D, semi-volatile-organic compounds (SVOCs) by EPA Method 8270E, 1,4 Dioxane by EPA Method 8270E SIM, metals by EPA Method 6020B, mercury by EPA Method 7470A, nitrate by EPA Method 353.2, nitrate and sulfate by EPA Method 4500, and ammonia by EPA Method 350.1.

### 3.2 Monitor Well Sample Results

The laboratory reported detections of multiple constituents above the NCAC 2L Groundwater Standards in samples collected from multiple monitoring wells. Analytes that were detected at concentrations exceeding the respective NCAC 2L Groundwater Standards are shown on **Figure 3**. See **Table 6** for a summary of the groundwater analytical results.

Manganese was detected in groundwater samples at concentrations exceeding the North Carolina 2L Groundwater Standard of 50 micrograms per liter ( $\mu\text{g/L}$ ) in all monitor wells except MW-6. These manganese levels may be attributed to the natural weathering of manganese-bearing minerals within the local geology rather than a site-related release. Under 15A NCAC 02L .0202(b)(3), where naturally occurring substances exceed the established standard, the local background concentration is considered the applicable standard.

## 4.0 Surface Water and Sediment Sampling

On October 16, 2025, S&ME collected surface water and stream sediment samples for laboratory analysis from seven locations. Surface water sample locations are identified as SW-1 through SW-7 with laboratory data on **Table 7**. Stream sediment sample locations are identified as SED-1 through SED-7 with laboratory data summarized on **Table 8**. Surface water and stream sediment locations SED/SW-1 through SED/SW-9 are shown on **Figure 5** and **Figure 6**.



Surface water and stream sediment samples were collected, placed in a cooler with ice, and delivered under chain-of-custody protocol to Eurofins for analysis of VOCs by EPA Method 8260D, SVOCs by EPA Method 8270E SIM, metals by EPA Method 6020B, mercury by EPA Method 7471B, nitrite by EPA Method 353.2, nitrate and sulfate by EPA Method 4500, and ammonia by EPA Method 350.1.

#### 4.1.1 *Surface Water Sampling Results*

**Table 7** summarizes the surface water sample analytical results from locations SW-1 through SW-7. Exceedances of the 15A NCAC 02B (2B Standards) surface water quality standards are shown on **Figure 5**. The laboratory report and chain of custody record are included in **Appendix IV**.

The NCDEQ Risk Calculator was used to assess the risk for direct contact of surface water. Detected constituents were input into the NCDEQ Risk Calculator for the recreator/trespasser receptor at each of the respective surface water sampling locations. See **Section 5.0** for the Risk Calculator details. The carcinogenic risk and non-carcinogenic hazard index for surface water were **not exceeded** at any of the sample locations for the recreator/trespasser receptor. Exceedances of the 15A NCAC 02B (2B Standards) surface water quality standards as well as the results of the recreator/trespasser risk assessment are shown on **Figure 5**.

#### 4.1.2 *Sediment Sampling*

**Table 8** summarizes sediment analytical results for samples collected from locations SED-1 through SED-7. The laboratory report and chain of custody record are included in **Appendix III**.

The NCDEQ Risk Calculator was used to assess the risk for direct contact of soil. The carcinogenic risk and non-carcinogenic hazard index for each of the sediment sample locations were not exceeded for all receptors. Exceedances of the United States Environmental Protection Agency Regional Soil Screening Levels (USEPA RSLs) are shown on **Figure 6**.

## 5.0 NCDEQ Risk Calculator

S&ME used the January 2025 version 2 of NCDEQ's Risk Calculator, downloaded from the NCDEQ website, to quantify the risks from different exposure points (landfill gas, groundwater, surface water, and sediment) that contain concentrations of chemicals that potentially cause cancer (carcinogens) and chemicals not known to cause cancer (noncarcinogens). The Risk Calculator was used to show the risks these exposure points pose to park users. Carcinogenic and noncarcinogenic effects are evaluated separately as discussed below.

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

The potential for noncancer effects is evaluated by comparing the estimated contaminant exposure to a reference threshold. This threshold represents the exposure below which is unlikely for sensitive populations to experience adverse health effects. The ratio of exposure to toxicity is referred to as a



hazard quotient (HQ). The HQs are summed across all noncarcinogenic chemicals and exposure routes to determine cumulative hazard index (HI). For risk assessment purposes, a residential and non-residential/worker exposure scenario was used for landfill gas, groundwater, and sediment samples, and the recreator/trespasser exposure scenario was used for surface water samples. The Resident Receptor scenario is based upon the assumption that people would live at the park for 350 days per year, 24 hours per day, for 26 years (6 years as a child and 20 years as an adult).

## 5.1 Landfill Gas Samples

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

## 5.2 Surface Water Samples

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

## 5.3 Sediment Samples

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

**Appendix V** contains the NCDEQ Risk Calculator Inputs and Outputs.

## 6.0 Quality Control

### 6.1 Quality Control Samples

Quality control samples were collected and analyzed as follows:

#### Soil Gas Duplicates

- One soil gas duplicate sample was collected for the day of sampling. A duplicate was taken at 821-LFGP-5. Analytical results of the duplicate sample were within an acceptable relative difference with the record sample.

#### Groundwater Duplicates

- One duplicate sample was collected for the day of sampling. A duplicate sample (101525-Dup-1) was taken at MW-1 and analyzed for the same parameters as the record sample. Analytical results of the duplicate sample were within an acceptable relative difference with the record sample.

#### Surface Water/Sediment Duplicates

- One duplicate sample was collected for the day of sampling for both surface water and sediment. Duplicates were taken at SW-1/SED-1. Duplicates were collected separately as 101625-Dup-SW and



101625-Dup-SED. 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 Deviation**

No work plan deviations were encountered during sampling events.

## **8.0 Sole Use Statement**

This report is solely intended for use by NCDEQ for the services that were performed in accordance with S&ME Proposal No. 23050630BI, dated July 18, 2025, for Task Order 821RI-12/12A under the terms of Contract Number N42621-B, dated January 4, 2022, between NCDEQ and S&ME.



### 9.0 Certification Acknowledgement

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

Gerald Paul / S&ME, Inc.

Name of Environmental Consultant / Company

*G Paul*

April 6, 2026

Signature of Environmental Consultant

Date

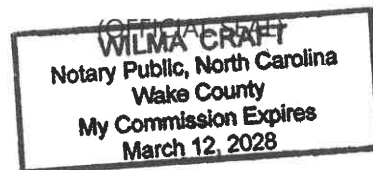
I, Wilma Craft, a Notary Public of said County and State, do hereby certify that

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

WITNESS my hand and official seal this 6<sup>th</sup> day of April, 2026.

Wilma Craft

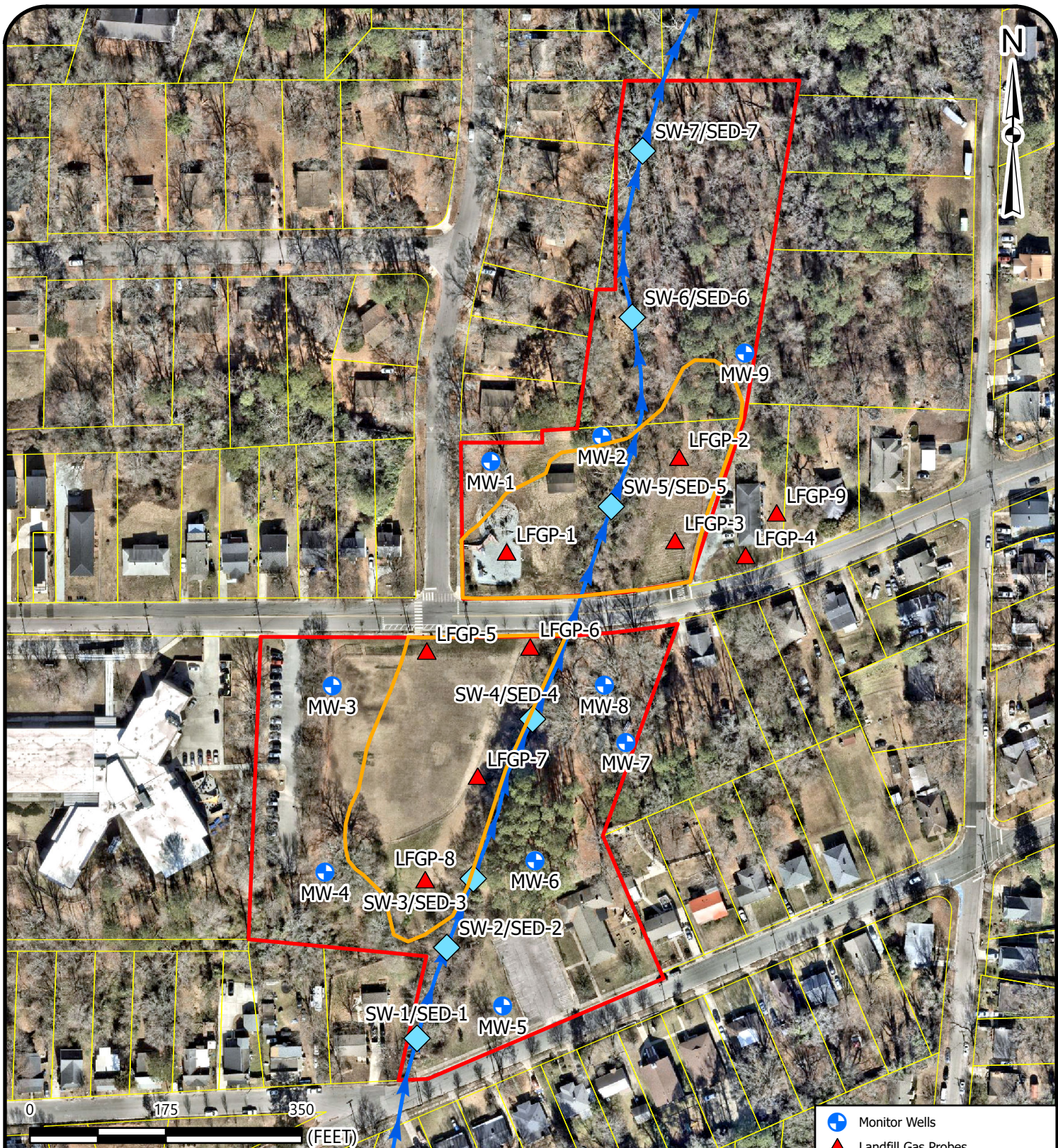
Notary Public (signature)



My commission expires: March 12, 2028

## Figures

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



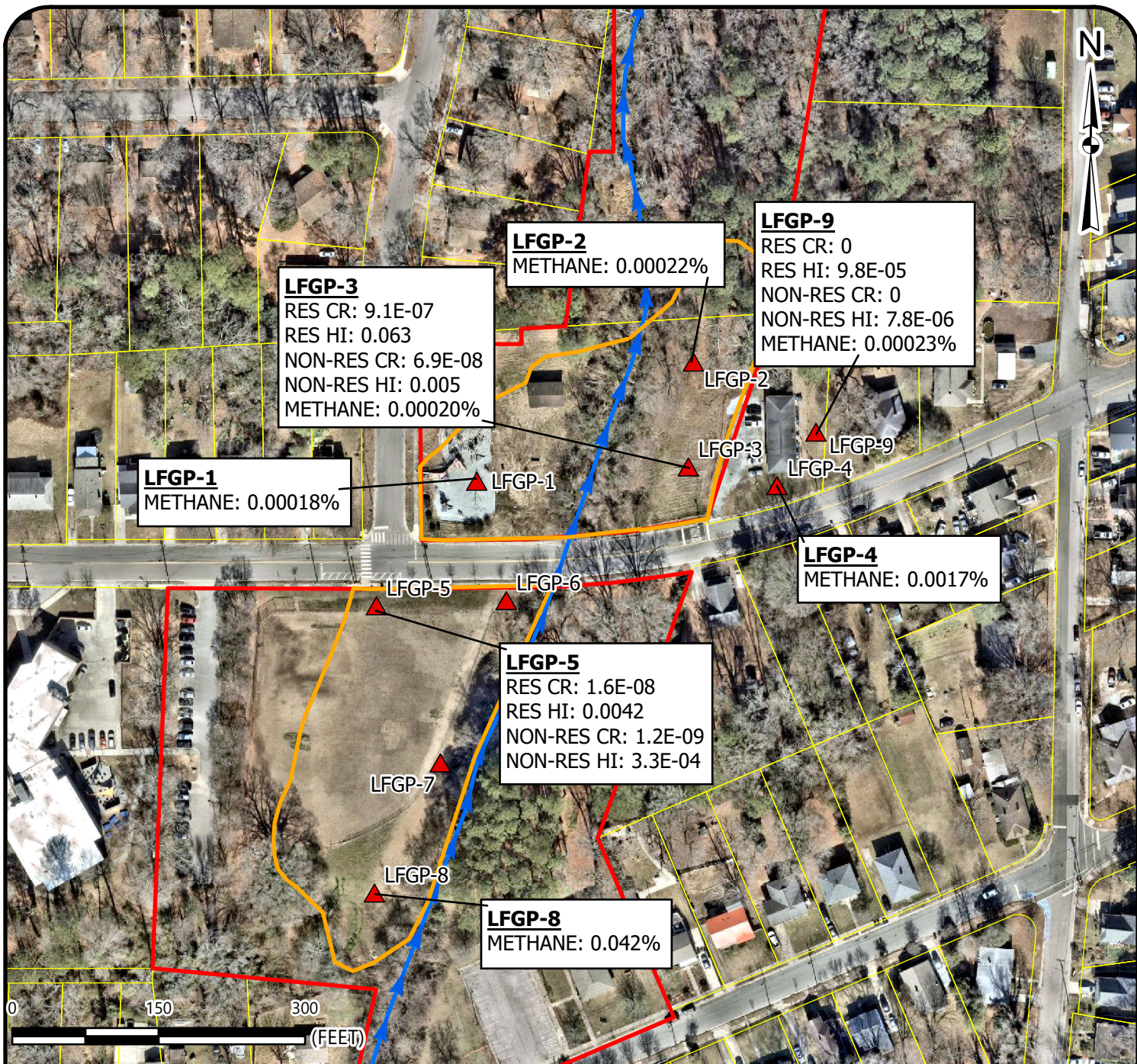
**NOTES:**  
 STREAM FLOW IS FROM SOUTH TO NORTH.

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

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

|  |   |                            |            |
|--|---|----------------------------|------------|
|  | <b>SITE MAP</b>   | SCALE:<br>1" = 175'        | FIGURE NO. |
|  | EAST DURHAM PARK  | DATE:<br>2/5/2026          | <b>1</b>   |
|  | NCDEQ ID NO. NONCD0000821 TASK ORDER 821RI-12A<br>2500 EAST MAIN STREET, DURHAM, NORTH CAROLINA | PROJECT NUMBER<br>23050630 |            |

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



**LFGP-3**  
 RES CR: 9.1E-07  
 RES HI: 0.063  
 NON-RES CR: 6.9E-08  
 NON-RES HI: 0.005  
 METHANE: 0.00020%

**LFGP-2**  
 METHANE: 0.00022%

**LFGP-9**  
 RES CR: 0  
 RES HI: 9.8E-05  
 NON-RES CR: 0  
 NON-RES HI: 7.8E-06  
 METHANE: 0.00023%

**LFGP-1**  
 METHANE: 0.00018%

**LFGP-4**  
 METHANE: 0.0017%

**LFGP-5**  
 RES CR: 1.6E-08  
 RES HI: 0.0042  
 NON-RES CR: 1.2E-09  
 NON-RES HI: 3.3E-04

**LFGP-8**  
 METHANE: 0.042%

**NOTES**  
 LANDFILL GAS SAMPLING WAS CONDUCTED ON NOVEMBER 13, 14, 2025.  
 HYDROGEN SULFIDE SAMPLES WERE COLLECTED ON NOVEMBER 13 AND 17, 2025.  
 METHANE WAS NOT DETECTED AT LFGP-5, LFGP-6, OR LFGP-7.  
 RISK NOT CALCULATED AT LFGP-6, 7 AND 8 DUE TO NO ANALYTE DETECTIONS TO INPUT INTO RISK CALCULATOR. RISK CALCULATIONS ARE NOT DEPICTED AT LFG POINTS WHERE EACH RISK OUTPUT WAS ZERO.  
 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:**  
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- ▲ Landfill Gas Probes
- ▶ Surface Water
- Site Boundary
- Durham County Parcels
- Estimated Waste Boundary

|  |   |                            |            |
|--|---|----------------------------|------------|
|  | <b>LANDFILL GAS RISK ASSESSMENT &amp; LABORATORY RESULTS</b>                                    | SCALE:<br>1" = 150'        | FIGURE NO. |
|  | EAST DURHAM PARK  | DATE:<br>2/25/2026         | <b>2</b>   |
|  | NCDEQ ID NO. NONCD0000821 TASK ORDER 821RI-12A<br>2500 EAST MAIN STREET, DURHAM, NORTH CAROLINA | PROJECT NUMBER<br>23050630 |            |

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



**MW-1/101525-DUP1 ug/L**  
Manganese: 172  
Vanadium: 9.34 B

**MW-9 ug/L**  
Manganese: 127  
Vanadium: 27.3 B

**MW-3 ug/L**  
Arsenic: 16.2  
Cobalt: 1.13 J^+\*+  
Manganese: 310

**MW-2 ug/L**  
Cobalt 1.39 J^+\*+  
Manganese: 261

**MW-4 ug/L**  
Cobalt: 2.00 J^+\*+  
Manganese: 606

**MW-8 ug/L**  
Cobalt: 1.03 J^+\*+  
Manganese: 419

**MW-7 ug/L**  
Manganese: 118

**MW-6 ug/L**  
Cobalt: 1.24 J^+\*+  
Vanadium: 22.8 B

**MW-5 ug/L**  
Cobalt: 1.02 J^+\*+  
Manganese: 173  
Vanadium: 16.2 B

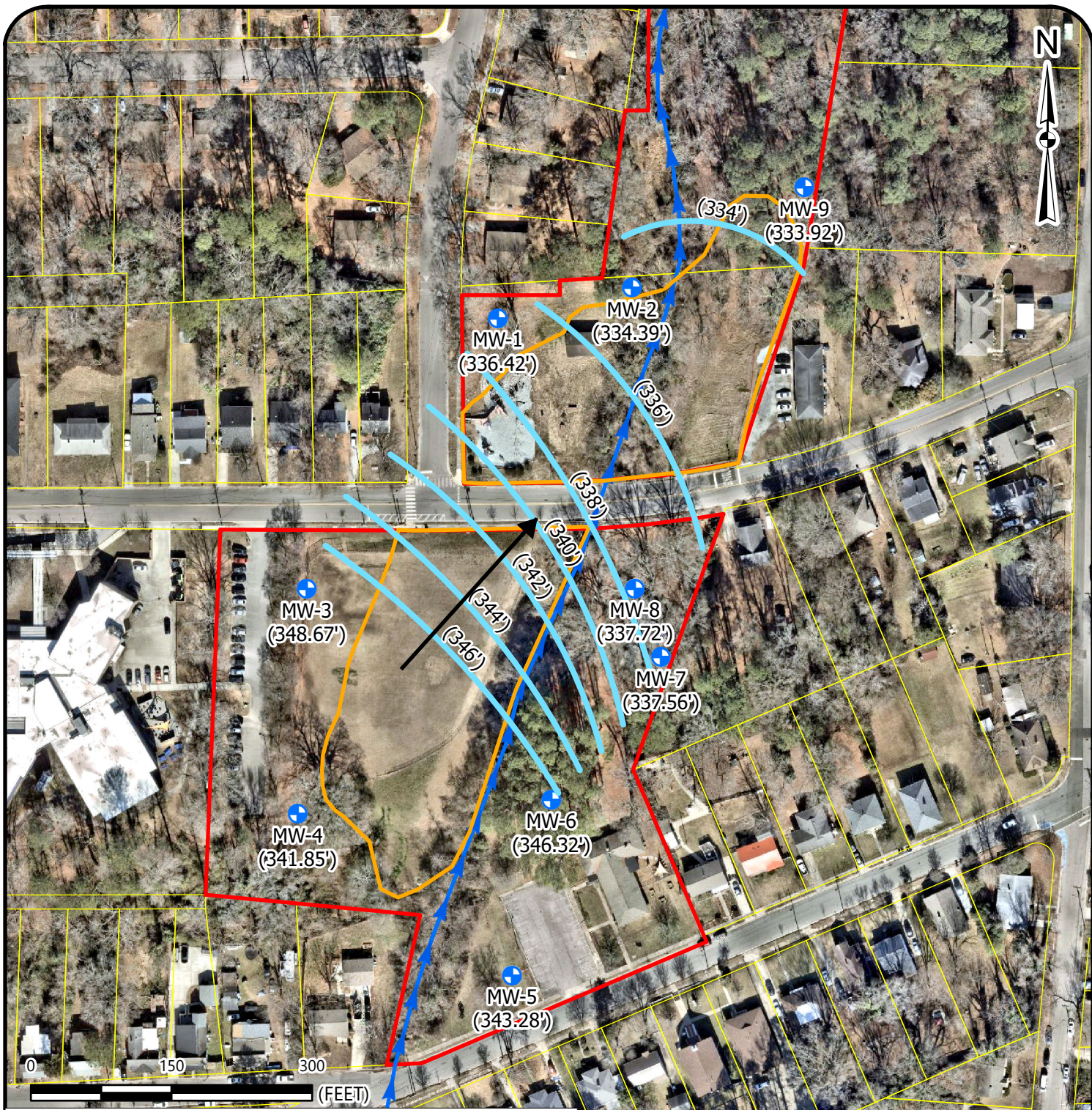
**NOTES**  
GROUNDWATER SAMPLING WAS CONDUCTED ON OCTOBER 15, 2025. ANALYTES DETECTED AT CONCENTRATIONS EXCEEDING 15A NCAC 2L GROUNDWATER STANDARDS ARE SHOWN IN MICROGRAMS PER LITER (ug/L). A DUPLICATE SAMPLE WAS COLLECTED FROM MW-1. THE HIGHER DETECTED CONCENTRATION BETWEEN THE TWO IS SHOWN. J: THE REPORTED RESULT IS AN ESTIMATED VALUE.  
^+: CONTINUING CALIBRATION VERIFICATION (CCV) IS OUTSIDE ACCEPTANCE LIMITS, HIGH BIASED.  
\*+: LABORATORY CONTROL SAMPLE (LCS) AND/OR LCS DUPLICATE (LCSD) IS OUTSIDE ACCEPTANCE LIMITS, HIGH BIASED.  
B: COMPOUND WAS FOUND IN THE BLANK AND SAMPLE.

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

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

|  |   |                            |            |
|--|---|----------------------------|------------|
|  | <b>GROUNDWATER ANALYTICAL RESULTS</b>   | SCALE:<br>1" = 170'        | FIGURE NO. |
|  | EAST DURHAM PARK  | DATE:<br>2/5/2026          | <b>3</b>   |
|  | NCDEQ ID NO. NONCD0000821 TASK ORDER 821RI-12A<br>2500 EAST MAIN STREET, DURHAM, NORTH CAROLINA | PROJECT NUMBER<br>23050630 |            |

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



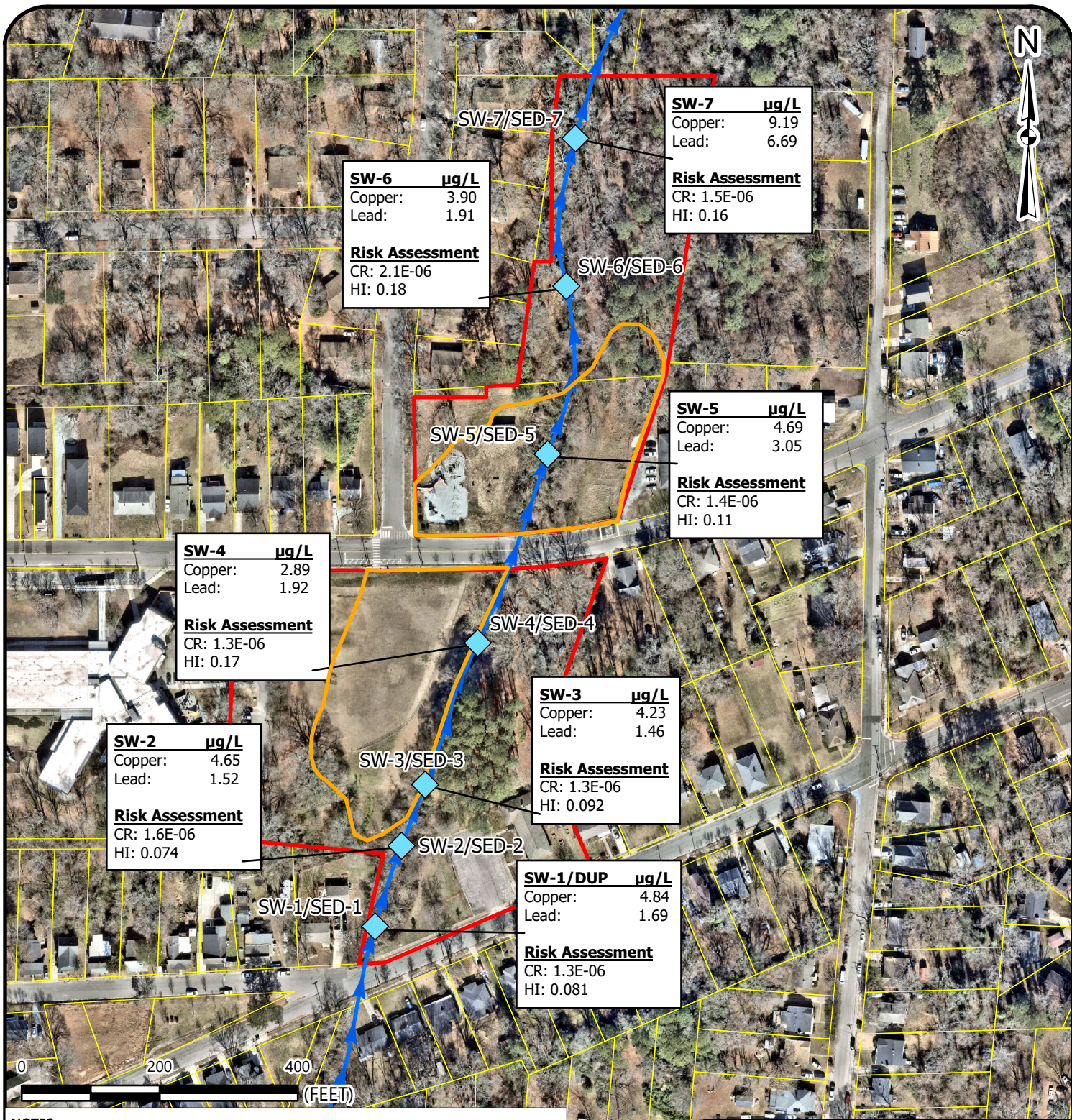
**NOTES**  
 DEPTH TO GROUNDWATER WAS MEASURED ON OCTOBER 15, 2025.  
 GROUNDWATER ELEVATIONS ARE SHOWN IN FEET ABOVE MEAN SEA LEVEL (FT-AMSL).  
 MW-4 AND MW-5 WERE EXCLUDED FOR THE PURPOSE OF CALCULATING GROUNDWATER FLOW. STREAM FLOW IS FROM SOUTH TO NORTH. APPROXIMATE DIRECTION OF GROUNDWATER FLOW IS DEPICTED WITH THE ARROW.

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

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

|  |   |                            |            |
|--|---|----------------------------|------------|
|  | <b>GROUNDWATER POTENTIOMETRIC MAP</b>   | SCALE:<br>1" = 150'        | FIGURE NO. |
|  | EAST DURHAM PARK  | DATE:<br>2/26/2026         | <b>4</b>   |
|  | NCDEQ ID NO. NONCD0000821 TASK ORDER 821RI-12A<br>2500 EAST MAIN STREET, DURHAM, NORTH CAROLINA | PROJECT NUMBER<br>23050630 |            |

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

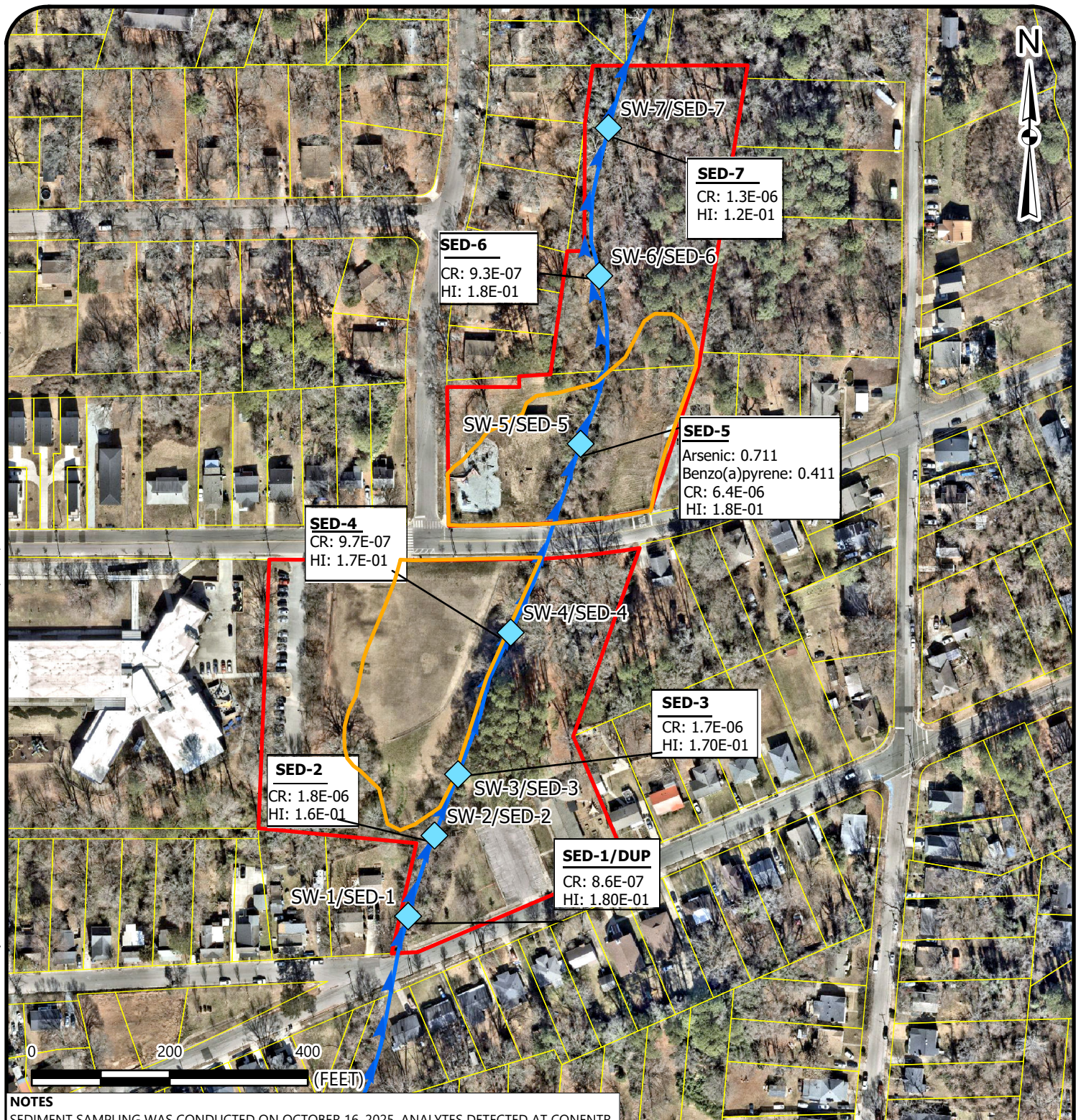


**NOTES**  
 SURFACE WATER FLOWS FROM SOUTH TO NORTH. SURFACE WATER SAMPLING WAS CONDUCTED ON OCTOBER 16, 2025. SAMPLES ARE MEASURED IN MICROGRAMS PER LITER (µg/L). ONLY ANALYTICAL RESULTS EXCEEDING THE NCAC 2B STANDARDS ARE SHOWN. RISK LEVELS SHOWN ARE FOR THE RECREATOR/TRESPASSER RECEPTOR.

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

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

|  |   |                            |                            |
|--|---|----------------------------|----------------------------|
|  | <b>SURFACE WATER ANALYTICAL RESULTS</b>   | SCALE:<br>1" = 200'        | FIGURE NO.<br><br><b>5</b> |
|  | EAST DURHAM PARK  | DATE:<br>2/25/2026         |                            |
|  | NCDEQ ID NO. NONCD0000821 TASK ORDER 821RI-12A<br>2500 EAST MAIN STREET, DURHAM, NORTH CAROLINA | PROJECT NUMBER<br>23050630 |                            |



**NOTES**  
 SEDIMENT SAMPLING WAS CONDUCTED ON OCTOBER 16, 2025. ANALYTES DETECTED AT CONCENTRATIONS EXCEEDING THE UNITED STATES EPA (USEPA) REGIONAL SCREENING LEVELS (RSLs) FOR SOIL ARE SHOWN IN MILLIGRAMS PER KILOGRAM (mg/kg). A DUPLICATE SAMPLE WAS COLLECTED AT SED-1. THE HIGHER DETECTED CONCENTRATION IS SHOWN. DIRECT CONTACT RISK LEVELS ARE SHOWN FOR THE THE RESIDENTIAL RECEPTOR.  
 CR: CARCINOGENIC RISK  
 HI: HAZARD INDEX

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

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

|  |   |                            |            |
|--|---|----------------------------|------------|
|  | <b>SEDIMENT SAMPLE ANALYTICAL RESULTS</b>   | SCALE:<br>1" = 200'        | FIGURE NO. |
|  | EAST DURHAM PARK  | DATE:<br>2/5/2026          | <b>6</b>   |
|  | NCDEQ ID NO. NONCD0000821 TASK ORDER 821RI-12A<br>2500 EAST MAIN STREET, DURHAM, NORTH CAROLINA | PROJECT NUMBER<br>23050630 |            |

## Tables



**TABLE 1**  
**Landfill Gas Probe & Gas Implant Construction Details**  
**City of Durham Parks - East Durham Park (NONCD0000821)**  
**2500 East Main Street, Durham, Durham County, North Carolina**  
**S&ME Project No. 23050630 Task Order RI-12A**

| ID     | Date Installed | Type                   | Casing Material                     | Total Depth (ft-bgs) | Casing Interval (ft-bgs) |   |     | Screen Interval (ft-bgs) |   |      | Grout Interval (ft-bgs) |   |     | Bentonite Interval (ft-bgs) |   |     | Filter Pack Interval (ft-bgs) |   |      |
|--------|----------------|------------------------|-------------------------------------|----------------------|--------------------------|---|-----|--------------------------|---|------|-------------------------|---|-----|-----------------------------|---|-----|-------------------------------|---|------|
|        |                |                        |                                     |                      |                          |   |     |                          |   |      |                         |   |     |                             |   |     |                               |   |      |
| LFGP-1 | 4/10/25        | Flushmount-Gas Implant | 1/4-in tubing                       | 3.0                  | NA                       |   |     | 2.5                      | - | 3.0  | 0.0                     | - | 1.5 | 1.5                         | - | 2.0 | 2.0                           | - | 3.0  |
| LFGP-2 | 4/10/25        | Flushmount-Gas Implant | Destroyed - Sampled as Flux Chamber |                      |                          |   |     |                          |   |      |                         |   |     |                             |   |     |                               |   |      |
| LFGP-3 | 4/10/25        | Flushmount-Gas Implant | Destroyed - Sampled as Flux Chamber |                      |                          |   |     |                          |   |      |                         |   |     |                             |   |     |                               |   |      |
| LFGP-4 | 4/10/25        | Flushmount-Gas Implant | 1/4-in tubing                       | 3.0                  | NA                       |   |     | 2.5                      | - | 3.0  | 0.0                     | - | 1.5 | 1.5                         | - | 2.0 | 2.0                           | - | 3.0  |
| LFGP-5 | 4/9/25         | Flushmount-Gas Probe   | 1-in Sch 40 PVC                     | 10.0                 | 0.0                      | - | 5.0 | 5.0                      | - | 10.0 | 0.0                     | - | 4.0 | 3.0                         | - | 4.0 | 4.0                           | - | 10.0 |
| LFGP-6 | 4/9/25         | Flushmount-Gas Probe   | 1-in Sch 40 PVC                     | 9.0                  | 0.0                      | - | 4.0 | 4.0                      | - | 9.0  | 3.0                     | - | 4.0 | 0.0                         | - | 3.0 | 4.0                           | - | 9.0  |
| LFGP-7 | 4/9/25         | Flushmount-Gas Probe   | 1-in Sch 40 PVC                     | 10.0                 | 0.0                      | - | 5.0 | 5.0                      | - | 10.0 | 0.0                     | - | 4.0 | 3.0                         | - | 4.0 | 4.0                           | - | 10.0 |
| LFGP-8 | 4/9/25         | Flushmount-Gas Probe   | 1-in Sch 40 PVC                     | 9.0                  | 0.0                      | - | 4.0 | 4.0                      | - | 9.0  | 3.0                     | - | 4.0 | 0.0                         | - | 3.0 | 4.0                           | - | 9.0  |
| LFGP-9 | 4/10/25        | Flushmount-Gas Implant | 1/4-in tubing                       | 3.0                  | NA                       |   |     | 2.5                      | - | 3.0  | 0.0                     | - | 1.5 | 1.5                         | - | 2.0 | 2.0                           | - | 3.0  |

**Notes:**

LFGP-1, LFGP-2, LFGP-3, LFGP-4, and LFGP-9 were installed as soil gas implants due to shallow groundwater.

ft-bgs: feet below ground surface.

in: inches

N/A: Not Applicable

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



**TABLE 2**  
**Landfill Gas Field Screening Results**  
**City of Durham Parks - East Durham Park (NONCD0000821)**  
**2500 East Main Street, Durham, Durham County, North Carolina**  
**S&ME Project No. 23050630 Task Order RI-12A**

| Field Parameter |                | Volatile Organic Compounds (ppm-v) | Methane (Volume in Air %) | Methane (% Lower Explosive Limit) | Hydrogen Sulfide (ppm-v) |
|-----------------|----------------|------------------------------------|---------------------------|-----------------------------------|--------------------------|
| Sample ID       | Screening Date |                                    |                           |                                   |                          |
| BG-1            | 11/4/2025      | 0.0                                | 0.0                       | 0.0                               | 0.0                      |
| BG-2            | 11/4/2025      | 0.0                                | 0.0                       | 0.0                               | 0.0                      |
| LFGP-1          | 11/4/2025      | 0.0                                | 0.0                       | 0.0                               | 0.0                      |
| LFGP-2          | 11/4/2025      | Destroyed                          |                           |                                   |                          |
| LFGP-3          | 11/4/2025      | Destroyed                          |                           |                                   |                          |
| LFGP-4          | 11/4/2025      | 0.0                                | 0.0                       | 0.0                               | 0.0                      |
| LFGP-5          | 11/4/2025      | 0.0                                | 0.0                       | 0.0                               | 0.0                      |
| LFGP-6          | 11/4/2025      | 0.0                                | 0.0                       | 0.0                               | 0.0                      |
| LFGP-7          | 11/4/2025      | 0.0                                | 0.0                       | 0.0                               | 0.0                      |
| LFGP-8          | 11/4/2025      | 0.0                                | 0.0                       | 0.0                               | 0.0                      |
| LFGP-9          | 11/4/2025      | 0.0                                | 0.0                       | 0.0                               | 0.0                      |

**Notes:**

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

PPM-V: Parts Per Million by Volume in Air

Bold indicates a concentration greater than background concentrations.

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



**TABLE 3**  
**Landfill Gas Sample Analytical Results Summary**  
**City of Durham Parks - East Durham Park (NONCD0000821)**  
**2500 East Main Street, Durham, Durham County, North Carolina**  
**S&ME Project No. 23050630 Task Order RI-12A**

| Analytical Method            | Analyte  | CAS Number                              | Sample ID      | 821-LFGP-1     | 821-LFGP-2     | 821-LFGP-3    | 821-LFGP-4 | 821-LFGP-5 | 821-LFGP-6 | 821-LFGP-7   | 821-LFGP-8     | 821-LFGP-9 | 821-LFGP-DUP-01 |
|------------------------------|--|---|----------------|----------------|----------------|---------------|------------|------------|------------|--------------|----------------|------------|-----------------|
|                              |  |   | Date Collected | 11/13/2025     | 11/13/2025     | 11/14/2025    | 11/13/2025 | 11/13/2025 | 11/14/2025 | 11/14/2025   | 11/14/2025     | 11/13/2025 | 11/13/2025      |
|                              | Acetone  | 67-64-1                                 | <b>41</b>      | <b>22</b>      | <b>23</b>      | <b>27</b>     | <18        | <19        | <18        | <19          | <17            | <19        | <19             |
|                              | Ethanol  | 64-17-5                                 | <b>18</b>      | <b>49</b>      | <b>15</b>      | <b>55</b>     | <14        | <15        | <b>50</b>  | <15          | <13            | <15        | <15             |
|                              | Ethylbenzene   | 100-41-4                                | <3.8           | <3.5           | <b>34</b>      | <4.2          | <3.3       | <3.4       | <3.2       | <3.4         | <3.1           | <3.5       | <3.5            |
|                              | m,p-Xylene   | 108-38-3/106-42-3                       | <7.6           | <7.1           | <b>160</b>     | <8.4          | <6.7       | <6.9       | <6.4       | <6.8         | <6.2           | <7         | <7              |
|                              | o-Xylene   | 95-47-6                                 | <3.8           | <3.5           | <b>56</b>      | <4.2          | <3.3       | <3.4       | <3.2       | <3.4         | <3.1           | <3.5       | <3.5            |
|                              | Tetrachloroethylene (PCE)  | 127-18-4                                | <5.9           | <5.5           | <5.4           | <6.5          | <b>5.8</b> | <5.4       | <5.0       | <5.3         | <4.8           | <b>5.6</b> | <b>5.6</b>      |
|                              | Toluene  | 108-88-3                                | <6.6           | <6.1           | <6.0           | <7.3          | <5.8       | <6.0       | <5.6       | <5.9         | <b>17</b>      | <6.1       | <6.1            |
| <b>ASTM D5504 (ug/m3)</b>    | Hydrogen Sulfide   | 7783-06-4                               | <14            | <14            | <14            | <14           | <14        | <14        | <14        | <14          | <14            | <14        | <14             |
| <b>NIOSH 6009 (ug/m3)</b>    | Mercury  | 7439-97-6                               | <0.88          | <0.85          | <0.83          | <0.83         | <0.81      | <0.83      | <0.83      | <0.83        | <0.82          | <0.81      | <0.81           |
| <b>ASTM D-1946 (%)</b>       | Methane  | 74-82-8                                 | <b>0.00018</b> | <b>0.00022</b> | <b>0.00020</b> | <b>0.0017</b> | <0.00015   | <0.00016   | <0.00015   | <b>0.042</b> | <b>0.00023</b> | <0.00016   | <0.00016        |
| <b>NCDEQ Risk Calculator</b> | <b>Vapor Intrusion Resident Soil Gas to Indoor Air</b>               | <b>Cumulative Carcinogenic Risk</b>     | 0.00E+00       | 0.00E+00       | 9.1E-07        | 0.00E+00      | 1.6E-08    | NC         | NC         | NC           | 0.00E+00       |            |                 |
|                              |  | <b>Non-Carcinogenic Hazard Quotient</b> | 0.00E+00       | 0.00E+00       | 6.3E-02        | 0.00E+00      | 4.2E-03    | NC         | NC         | NC           | 9.8E-05        |            |                 |
|                              | <b>Vapor Intrusion Non-Residential Worker Soil Gas to Indoor Air</b> | <b>Cumulative Carcinogenic Risk</b>     | 0.00E+00       | 0.00E+00       | 6.9E-08        | 0.00E+00      | 1.2E-09    | NC         | NC         | NC           | 0.00E+00       |            |                 |
|                              |  | <b>Non-Carcinogenic Hazard Quotient</b> | 0.00E+00       | 0.00E+00       | 5.0E-03        | 0.00E+00      | 3.3E-04    | NC         | NC         | NC           | 7.8E-06        |            |                 |

**Notes:**  
 µg/m<sup>3</sup>: micrograms per cubic meter.  
 Concentrations shown in **BOLD** exceed the laboratory detection limits.  
 Concentrations not entered into the NCDEQ Risk Calculator (January 2025 Version); compound not in Risk Calculator.  
 NC: Risk Not Calculated due to lack of analyte detections.  
 821-LFGP-DUP-01 was taken at 821-LFGP-5.  
 821-LFGP-2 and 821-LFGP-3 were sampled as flux chambers.



**TABLE 4**  
**Groundwater Monitor Well Construction & Groundwater Levels**  
**City of Durham Parks - East Durham Park (NONCD0000821)**  
**2500 East Main Street, Durham, Durham County, North Carolina**  
**S&ME Project No. 23050630 Task Order RI-12A**

| 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) |
|------|----------------|-------------------------------|-----------------|----------------------|--------------------------|----|------|--------------------------|----|------|-------------------------|----|------|-----------------------------|----|------|-------------------------------|----|------|-----------------------------------|---------------------------|--------------------------------|---------------------------------|
|      |                |                               |                 |                      | 0.0                      | to |      |                          | to |      | 0.0                     | to |      |                             | to |      | 0.0                           | to |      |                                   |                           |                                |                                 |
| MW-1 | 4/22/25        | Flush Mount - Monitoring Well | 2-in Sch 40 PVC | 33.0                 | 0.0                      | to | 23.0 | 23.0                     | to | 33.0 | 0.0                     | to | 19.0 | 19.0                        | to | 21.0 | 21.0                          | to | 33.0 | 346.84                            | 10/15/2025                | 10.42                          | 336.42                          |
| MW-2 | 4/22/25        | Flush Mount - Monitoring Well | 2-in Sch 40 PVC | 43.0                 | 0.0                      | to | 33.0 | 33.0                     | to | 43.0 | 0.0                     | to | 29.0 | 29.0                        | to | 31.0 | 31.0                          | to | 43.0 | 344.81                            | 10/15/2025                | 10.42                          | 334.39                          |
| MW-3 | 4/22/25        | Flush Mount - Monitoring Well | 2-in Sch 40 PVC | 53.0                 | 0.0                      | to | 33.0 | 33.0                     | to | 53.0 | 0.0                     | to | 29.0 | 29.0                        | to | 31.0 | 31.0                          | to | 53.0 | 354.09                            | 10/15/2025                | 5.42                           | 348.67                          |
| MW-4 | 4/23/25        | Flush Mount - Monitoring Well | 2-in Sch 40 PVC | 53.0                 | 0.0                      | to | 33.0 | 33.0                     | to | 53.0 | 0.0                     | to | 29.0 | 29.0                        | to | 31.0 | 31.0                          | to | 53.0 | 351.79                            | 10/15/2025                | 9.94                           | 341.85                          |
| MW-5 | 4/23/25        | Flush Mount - Monitoring Well | 2-in Sch 40 PVC | 48.0                 | 0.0                      | to | 28.0 | 28.0                     | to | 48.0 | 0.0                     | to | 24.0 | 24.0                        | to | 26.0 | 26.0                          | to | 48.0 | 349.88                            | 10/15/2025                | 6.60                           | 343.28                          |
| MW-6 | 4/23/25        | Flush Mount - Monitoring Well | 2-in Sch 40 PVC | 16.0                 | 0.0                      | to | 6.0  | 6.0                      | to | 16.0 | 0.0                     | to | 4.0  | 4.0                         | to | 5.0  | 5.0                           | to | 16.0 | 351.82                            | 10/15/2025                | 5.50                           | 346.32                          |
| MW-7 | 4/23/25        | Flush Mount - Monitoring Well | 2-in Sch 40 PVC | 33.0                 | 0.0                      | to | 13.0 | 13.0                     | to | 33.0 | 0.0                     | to | 9.0  | 9.0                         | to | 11.0 | 11.0                          | to | 33.0 | 346.62                            | 10/15/2025                | 9.06                           | 337.56                          |
| MW-8 | 4/24/25        | Flush Mount - Monitoring Well | 2-in Sch 40 PVC | 18.0                 | 0.0                      | to | 8.0  | 8.0                      | to | 18.0 | 0.0                     | to | 4.0  | 4.0                         | to | 6.0  | 6.0                           | to | 18.0 | 343.62                            | 10/15/2025                | 5.90                           | 337.72                          |
| MW-9 | 4/24/25        | Flush Mount - Monitoring Well | 2-in Sch 40 PVC | 22.0                 | 0.0                      | to | 7.0  | 7.0                      | to | 22.0 | 0.0                     | to | 4.0  | 4.0                         | to | 5.0  | 5.0                           | to | 22.0 | 338.71                            | 10/15/2025                | 4.79                           | 333.92                          |

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



**TABLE 5**  
**Groundwater Field Screening Parameters**  
**City of Durham Parks - East Durham Park (NONCD0000821)**  
**2500 East Main Street, Durham, Durham County, North Carolina**  
**S&ME Project No. 23050630 Task Order RI-12A**

| Sample Location ID | Date       | Field Parameter |                  |                      |                 |
|--------------------|------------|-----------------|------------------|----------------------|-----------------|
|                    |            | pH              | Temperature (°C) | Conductivity (µS/cm) | Turbidity (NTU) |
| MW-1               | 10/15/2025 | 7.09            | 19.7             | 676                  | 44.1            |
| MW-2               | 10/15/2025 | 7.67            | 18.4             | 792                  | 21.6            |
| MW-3               | 10/15/2025 | 7.46            | 25.7             | 642                  | 23.4            |
| MW-4               | 10/15/2025 | 7.56            | 19.3             | 386                  | 113             |
| MW-5               | 10/15/2025 | 6.89            | 24.9             | 479                  | 22.7            |
| MW-6               | 10/15/2025 | 6.33            | 24.1             | 318                  | 32.0            |
| MW-7               | 10/15/2025 | 7.37            | 23.2             | 697                  | 32.3            |
| MW-8               | 10/15/2025 | 6.87            | 27.6             | 615                  | 12.0            |
| MW-9               | 10/15/2025 | 7.80            | 18.7             | 509                  | 56.6            |

**Notes:**

Temperature: degrees Celsius (°C)

Conductivity: microsiemens per centimeter (µS/cm)

Turbidity: Nephelometric Turbidity Units



**Table 6**  
**Groundwater Sample Analytical Results Summary**  
 City of Durham Parks - East Durham Park (NONCD0000821)  
 2500 East Main Street, Durham, Durham County, North Carolina  
 S&ME Project No. 23050630 Task Order RI-12A

| Analytical Method                                  |                | Method 8260D - Volatile Organic Compounds (µg/L) | 8270 SIM - Semi Volatile Organic Compounds (µg/L) |           | Metals by EPA Method 6020B (µg/L) |           |           |                 |               |           |           |           |               |           | Method 9056A   |            |
|--|----------------|--|---|-----------|-----------------------------------|-----------|-----------|-----------------|---------------|-----------|-----------|-----------|---------------|-----------|----------------|------------|
| CAS Number   |                | 75-15-0  | 105-60-2  | 86-74-8   | 7440-38-2                         | 7440-39-3 | 7440-41-7 | 7440-47-3       | 7440-48-4     | 7440-50-8 | 7439-96-5 | 7440-02-0 | 7440-62-2     | 7440-66-6 | 14797-55-8     | 14808-79-8 |
| Analyte  |                | Carbon Disulfide                                 | Caprolactam                                       | Carbazole | Arsenic                           | Barium    | Beryllium | Chromium, Total | Cobalt        | Copper    | Manganese | Nickel    | Vanadium      | Zinc      | Nitrate as (N) | Sulfate    |
| Sample ID  | Date Collected |  |   |           |                                   |           |           |                 |               |           |           |           |               |           |                |            |
| MW-1   | 10/15/2025     | <0.500   | <2.42   | <0.323    | <1.32                             | 146       | <0.147    | <3.69 ^+        | 0.611 J ^+ *+ | <0.642    | 172       | 0.682 J   | <b>8.61 B</b> | <8.91     | 360            | 39,200 F1  |
| MW-2   | 10/15/2025     | <0.500   | 40.8  | 1.38 J    | 1.81 J                            | 548       | <0.147    | <3.69 ^+        | 1.39 J ^+ *+  | <0.642    | 261       | 1.64 J    | 1.74 J B ^+   | 23.7      | <25            | 13,300     |
| MW-3   | 10/15/2025     | 0.568 J  | <2.40   | <0.320    | 16.2                              | 386       | <0.147    | <3.69 ^+        | 1.13 J ^+ *+  | 0.810 J   | 310       | 2.67 J    | 2.38 J B ^+   | 787       | <25            | 13,700     |
| MW-4   | 10/15/2025     | 0.554 J  | 4.83 J  | <0.328    | 2.38 J                            | 440       | 0.213 J   | <3.69 ^+        | 2.00 J ^+ *+  | 1.78 J    | 606       | 4.54 J    | 3.40 J B ^+   | 12.9      | 123            | 4,300 J    |
| MW-5   | 10/15/2025     | <0.500   | <2.40   | <0.320    | <1.32                             | 129       | <0.147    | <3.69           | 1.02 J ^+ *+  | 0.756 J   | 173       | 0.691 J   | 16.2 B        | <8.91     | 1520           | 18,500     |
| MW-6   | 10/15/2025     | <0.500   | <2.44   | <0.325    | <1.32                             | 34.1      | <0.147    | 5.95            | 1.24 J ^+ *+  | 3.79      | 33.7      | 1.86 J    | 22.8 B        | <8.91     | 1750           | 14,900     |
| MW-7   | 10/15/2025     | <0.500   | <2.46   | <0.328    | <1.32                             | 353       | <0.147    | <3.69 ^+        | 0.453 J ^+ *+ | <0.642    | 118       | 0.875 J   | 3.87 J B ^+   | <8.91     | <25            | 33,700     |
| MW-8   | 10/15/2025     | <0.500   | <2.42   | <0.322    | <1.32                             | 106       | <0.147    | <3.69 ^+        | 1.03 J ^+ *+  | <0.642    | 419       | 6.54      | 5.22 B        | <8.91     | <25            | 12,100     |
| MW-9   | 10/15/2025     | <0.500   | <2.46   | <0.328    | 7.49                              | 397       | <0.147    | <3.69 ^+        | 0.982 J ^+ *+ | <0.642    | 127       | 0.757 J   | 27.3 B        | <8.91     | <25            | 10,700     |
| 101525-Dup1  | 10/15/2025     | <0.500   | <2.40   | <0.320    | <1.32                             | 156       | 0.227 J   | <3.69 ^+        | 0.634 J ^+ *+ | 0.684 J   | 172       | 1.06 J    | 9.34 B        | <8.91     | 1010           | 38,500     |
| <b>15A NCAC 2L Groundwater Standards and IMACs</b> |                | 700  | 4,000   | NE        | 10                                | 700       | 4         | 10              | 1             | 1,000     | 50        | 100       | 7             | 1,000     | 10,000         | 250,000    |

µg/L: Micrograms per liter.

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

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

**[Yellow Box]** All detections that exceed the 15 NCAC 2L Groundwater Standards or IMACs

J: The reported result is an estimated value.

^+: Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.

\*+: Laboratory Control Sample (LCS) and/or LCS Duplicate (LCSD) is outside acceptance limits, high biased.

B: Compound was found in the blank and sample.

101525-DUP1 was taken at MW-1.



**Table 7**  
**Surface Water Sample Analytical Results Summary**  
**City of Durham Parks - East Durham Park (NONCD0000821)**  
**2500 East Main Street, Durham, Durham County, North Carolina**  
**S&ME Project No. 23050630 Task Order RI-12A**

| Analytical Method                   |                | Metals by EPA Method 6020B (µg/L) |           |           |           |           |           |           |           |           | Method 350.1     | Method 9056A   | Method 9056A | NCDEQ Risk Calculator for Direct Contact Recreator/Trespasser Receptor |                                  |
|-------------------------------------|----------------|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------------|----------------|--------------|--|----------------------------------|
| CAS Number                          |                | 7440-38-2                         | 7440-39-3 | 7440-48-4 | 7440-50-8 | 7439-92-1 | 7439-96-5 | 7440-02-0 | 7440-62-2 | 7440-66-6 | 7664-41-7        | 14797-55-8     | 14808-79-8   | Cumulative Carcinogenic Risk   | Non-Carcinogenic Hazard Quotient |
| Sample ID                           | Date Collected | Arsenic                           | Barium    | Cobalt    | Copper    | Lead      | Manganese | Nickel    | Vanadium  | Zinc      | Ammonia Nitrogen | Nitrate as (N) | Sulfate      |  |                                  |
| SW-1                                | 10/16/2025     | <1.32                             | 44.0      | 0.600 J   | 4.07      | 1.16      | 105       | 2.54 J    | 1.30 J    | 18.3      | <46              | 89 J           | 29,000       | 1.3E-06  | 8.10E-02                         |
| SW-2                                | 10/16/2025     | 1.84 J                            | 52.5      | 0.606 J   | 4.65      | 1.52      | 86.0      | 2.42 J    | 1.63 J    | 29.7      | <46              | 32.8           | 26,100       | 1.6E-06  | 7.40E-02                         |
| SW-3                                | 10/16/2025     | 1.48 J                            | 56.5      | 0.580 J   | 4.23      | 1.46      | 150       | 2.50 J    | 1.40 J    | 18.3      | 63               | <16.8          | 22,100       | 1.3E-06  | 9.20E-02                         |
| SW-4                                | 10/16/2025     | 1.48 J                            | 62.6      | 0.792 J   | 2.89      | 1.92      | 333       | 2.01 J    | 1.51 J    | 12.8      | <46              | <25            | 16,900       | 1.3E-06  | 1.70E-01                         |
| SW-5                                | 10/16/2025     | 1.58 J                            | 66.6      | 0.590 J   | 4.69      | 3.05      | 181       | 1.80 J    | 1.33 J    | 17.6      | <46              | <25            | 17,700       | 1.4E-06  | 1.10E-01                         |
| SW-6                                | 10/16/2025     | 2.43 J                            | 56.7      | 0.828 J   | 3.90      | 1.91      | 328       | 1.69 J    | 1.29 J    | 14.5      | 95               | 183            | 13,500       | 2.1E-06  | 1.80E-01                         |
| SW-7                                | 10/16/2025     | 1.74 J                            | 59.4      | 0.952 J   | 9.19      | 6.69      | 303       | 3.70 J    | 1.95 J    | 30.3      | <46              | <25            | 16,900       | 1.5E-06  | 1.60E-01                         |
| 101625-Dup-SW                       | 10/16/2025     | 1.44 J                            | 47.5      | 0.650 J   | 4.84      | 1.69      | 120       | 2.41 J    | 1.41 J    | 18.8      | 65               | 72 J           | 28,100       | See SW-1 Risk Calculations   |                                  |
| 15A NCAC 2B Surface Water Standards |                | 10                                | 1,000     | NE        | 2.7       | 0.54      | NE        | 16        | NE        | 36        | NE               | 10,000         | 250,000      |  |                                  |

**Notes:**

µg/L: Micrograms per liter.

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

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

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

Target constituents not shown for the method were not detected.

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

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

101625-Dup-SW was taken at SW-1.



**Table 8**  
**Sediment Sample Analytical Results Summary**  
**City of Durham Parks - East Durham Park (NONCD0000821)**  
**2500 East Main Street, Durham, Durham County, North Carolina**  
**S&ME Project No. 23050630 Task Order RI-12A**

| Analytical Method                         |                | Method 8260D - Volatile Organic Compounds (VOCs) |           | Method 8270E - Semi Volatile Organic Compounds (SVOCs) |            |              |                    |                |                      |                      |                      |             |          |                       |              |                        |              | Method 6020B - Metals |           |           |            |
|---|----------------|--|-----------|--|------------|--------------|--------------------|----------------|----------------------|----------------------|----------------------|-------------|----------|-----------------------|--------------|------------------------|--------------|-----------------------|-----------|-----------|------------|
| CAS Number                                |                | 67-64-1  | 108-88-3  | 208-96-8   | 120-12-7   | 100-52-7     | 56-55-3            | 50-32-8        | 205-99-2             | 191-24-2             | 207-08-9             | 105-60-2    | 218-01-9 | 53-70-3               | 206-44-0     | 193-39-5               | 85-01-8      | 129-00-0              | 7440-36-0 | 7440-38-2 | 7440-39-3  |
| Analyte                                   |                | Acetone  | Toluene   | Acenaphthylene   | Anthracene | Benzaldehyde | Benzo(a)anthracene | Benzo(a)pyrene | Benzo(b)fluoranthene | Benzo(g,h,i)perylene | Benzo(k)fluoranthene | Caprolactam | Chrysene | Dibenz(a,h)anthracene | Fluoranthene | Indeno(1,2,3-cd)pyrene | Phenanthrene | Pyrene                | Antimony  | Arsenic   | Barium     |
| Sample ID                                 | Date Collected |  |           |  |            |              |                    |                |                      |                      |                      |             |          |                       |              |                        |              |                       |           |           |            |
| SED-1                                     | 10/16/2025     | 0.0209 J   | 0.00167 J | <0.0373  | <0.0373    | <0.0373      | <0.0373            | <0.0373 F1     | 0.0471 J F1          | <0.0373 F1           | <0.0373 F1           | <0.0373     | <0.0373  | <0.0373 F1            | 0.0483 J     | <0.0373 F1             | <0.0373      | 0.0494 J              | <0.183    | 0.464 J   | 9.11       |
| SED-2                                     | 10/16/2025     | 0.0421   | 0.00182 J | <0.0383  | <0.0383    | <0.0383      | 0.0917 J           | 0.0859 J       | 0.154 J              | 0.0924 J             | 0.0484 J             | 0.0685 J    | 0.130 J  | <0.0383               | 0.166 J      | 0.0692 J               | 0.120 J      | 0.213 J               | <0.208    | 0.556     | 17.2       |
| SED-3                                     | 10/16/2025     | 0.0963   | <0.00304  | <0.0341  | <0.0341    | <0.0341      | 0.0561 J           | 0.0679 J       | 0.118 J              | 0.0694 J             | 0.0386 J             | 0.103 J     | 0.0869 J | <0.0341               | 0.122 J      | 0.0614 J               | 0.0579 J     | 0.124 J               | <0.181 F1 | 0.607     | 13.0 F2 F1 |
| SED-4                                     | 10/16/2025     | 0.0202 J   | <0.00113  | <0.0382  | <0.0382    | 0.0759 J     | <0.0382            | <0.0382        | 0.0474 J             | <0.0382              | <0.0382              | <0.0382     | 0.0421 J | <0.0382               | 0.0692 J     | <0.0382                | 0.0385 J     | 0.0636 J              | <0.218    | 0.625     | 11.2       |
| SED-5                                     | 10/16/2025     | 0.0257 J   | 0.00187 J | 0.0877 J   | 0.0379 J   | <0.0375      | 0.380              | 0.411          | 0.561                | 0.264 J              | 0.189 J              | <0.0375     | 0.476    | 0.0817 J              | 0.510        | 0.254 J                | 0.193 J      | 0.569                 | <0.196    | 0.711     | 10.1       |
| SED-6                                     | 10/16/2025     | 0.0519   | 0.00156 J | <0.0422  | <0.0422    | <0.0422      | <0.0422            | <0.0422        | 0.0217 J             | <0.0422              | <0.0422              | 0.0587 J    | <0.0422  | <0.0422               | <0.0422      | <0.0422                | <0.0422      | <0.0422               | 0.289 J   | 0.616     | 14.6       |
| SED-7                                     | 10/16/2025     | 0.0296   | 0.00250 J | <0.0356  | <0.0356    | <0.0356      | 0.0368 J           | 0.0554 J       | 0.0795 J             | 0.0483 J             | <0.0356              | <0.0356     | 0.0503 J | <0.0356               | 0.0801 J     | 0.0467 J               | <0.0356      | 0.0671 J              | <0.179    | 0.427 J   | 9.81       |
| 101625-Dup-SED                            | 10/16/2025     | <0.0321  | <0.00267  | <0.0420  | <0.0420    | <0.0420      | <0.0420            | <0.0420        | 0.0320 J             | <0.0420              | <0.0420              | 0.0754 J    | <0.0420  | <0.0420               | <0.0420      | <0.0420                | <0.0420      | <0.0420               | <0.199    | 0.557     | 9.18       |
| EPA Resident Soil Screening Levels (RSLs) |                | 7,000  | 490       | NE   | 1,800      | 170          | 1.1                | 0.11           | 1.1                  | NE                   | 11                   | 3,100       | 110      | 0.11                  | 240          | 1.1                    | NE           | 180                   | 3.1       | 0.68      | 1,500      |

**Notes:**

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

All detections are shown in bold.

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

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

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

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

F2: MS/MDS RPD exceeds control limits.

NE: Not Established

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

101625-Dup-SED was taken at SED-1.



**Table 8**  
**Sediment Sample Analytical Results Summary**  
 City of Durham Parks - East Durham Park (NONCD0000821)  
 2500 East Main Street, Durham, Durham County, North Carolina  
 S&ME Project No. 23050630 Task Order RI-12A

| Analytical Method                         |                | Method 6020B - Metals |           |                 |           |           |           |           |           |           |           |           | Method 9056A   | Method 9056A | NCDEQ Risk Calculator        |                                  |                                       |                                  |                                     |                                  |
|---|----------------|-----------------------|-----------|-----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------|--------------|------------------------------|----------------------------------|---------------------------------------|----------------------------------|-------------------------------------|----------------------------------|
| CAS Number                                |                | 7440-41-7             | 7440-43-9 | 7440-47-3       | 7440-48-4 | 7440-50-8 | 7439-92-1 | 7439-96-5 | 7440-02-0 | 7440-22-4 | 7440-62-2 | 7440-66-6 | 14797-55-8     | 14808-79-8   | Direct Contact Resident      |                                  | Direct Contact Non-Residential Worker |                                  | Direct Contact Recreator/Trespasser |                                  |
| Analyte                                   |                | Beryllium             | Cadmium   | Chromium, Total | Cobalt    | Copper    | Lead      | Manganese | Nickel    | Silver    | Vanadium  | Zinc      | Nitrate as (N) | Sulfate      | Cumulative Carcinogenic Risk | Non-Carcinogenic Hazard Quotient | Cumulative Carcinogenic Risk          | Non-Carcinogenic Hazard Quotient | Cumulative Carcinogenic Risk        | Non-Carcinogenic Hazard Quotient |
| Sample ID                                 | Date Collected |                       |           |                 |           |           |           |           |           |           |           |           |                |              |                              |                                  |                                       |                                  |                                     |                                  |
| SED-1                                     | 10/16/2025     | 0.0569 J              | 0.0527 J  | 5.04            | 1.65      | 9.65      | 9.97      | 63.1      | 5.55      | 0.0220 J  | 7.28      | 44.7      | 1.88 J         | 28.8         | 8.6E-07                      | 1.80E-01                         | 1.9E-07                               | 1.30E-02                         | 3.7E-07                             | 7.90E-02                         |
| SED-2                                     | 10/16/2025     | 0.0514 J              | <0.0148   | 5.00            | 1.79      | 9.57      | 11.9      | 59.7      | 6.18      | 0.0244 J  | 9.00      | 36.9      | 3.10 J         | <13.0        | 1.8E-06                      | 1.60E-01                         | 2.4E-07                               | 1.10E-02                         | 7.9E-07                             | 6.90E-02                         |
| SED-3                                     | 10/16/2025     | 0.0726 J              | 0.0742 J  | 7.23 F1         | 1.62      | 12.2 F1   | 14.9      | 74.6      | 7.42 F1   | 0.0267 J  | 9.00 F1   | 36.9      | 1.84 J         | 17.0         | 1.7E-06                      | 1.70E-01                         | 2.5E-07                               | 1.20E-02                         | 7.3E-07                             | 7.50E-02                         |
| SED-4                                     | 10/16/2025     | 0.0778 J              | 0.0554 J  | 6.12            | 1.75      | 5.80      | 18.5      | 66.7      | 3.44      | 0.0217 J  | 10.8      | 39.2      | 2.12 J         | 21.1         | 9.7E-07                      | 1.70E-01                         | 2.1E-07                               | 1.20E-02                         | 4.1E-07                             | 7.30E-02                         |
| SED-5                                     | 10/16/2025     | 0.0810 J              | 0.0604 J  | 4.07            | 1.65      | 6.27      | 13.5      | 53.7      | 5.29      | 0.0262 J  | 7.88      | 32.9      | 2.12 J         | <12.7        | 6.4E-06                      | 1.80E-01                         | 5.3E-07                               | 1.20E-02                         | 2.7E-06                             | 7.70E-02                         |
| SED-6                                     | 10/16/2025     | 0.0557 J              | 0.0869 J  | 5.65            | 1.57      | 8.65      | 27.0      | 83.1      | 3.83      | 0.0174 J  | 8.27      | 57.6      | 2.66 J         | <13.2        | 9.3E-07                      | 1.80E-01                         | 2.1E-07                               | 1.20E-02                         | 4.0E-07                             | 7.70E-02                         |
| SED-7                                     | 10/16/2025     | 0.0457 J              | 0.0457 J  | 4.41            | 1.06      | 5.26      | 13.7      | 64.5      | 2.40      | 0.0192 J  | 6.42      | 28.5      | 2.58 J         | <12.6        | 1.3E-06                      | 1.20E-01                         | 1.8E-07                               | 8.40E-03                         | 5.4E-07                             | 5.30E-02                         |
| 101625-Dup-SED                            | 10/16/2025     | 0.0411 J              | 0.0736 J  | 4.69            | 2.12      | 7.89      | 9.57      | 68.2      | 7.10      | 0.0239 J  | 8.42      | 33.2      | 1.85 J         | 24.3         | See SED-1 Risk Calculations. |                                  |                                       |                                  |                                     |                                  |
| EPA Resident Soil Screening Levels (RSLs) |                | 16                    | 0.71      | 12,000          | 2.3       | 310       | 200       | 180       | 140       | 39        | 39        | 2,300     | 13,000         | NE           |                              |                                  |                                       |                                  |                                     |                                  |

**Notes:**

**Notes:**

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

All detections are shown in bold.

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

**F1**: Compound not in January 2025 NCDEQ Risk Calculator, concentration not entered.

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

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

**F2**: MS/MDS RPD exceeds control limits.

**NE**: Not Established

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

101625-Dup-SED w 101625-Dup-SED was taken at SED-1.

## **Appendices**

## **Appendix I- Coordinates of Selected Features**



**APPENDIX I**  
**Coordinates of Selected Features**  
**City of Durham Parks - East Durham Park (NONCD0000821)**  
**2500 East Main Street, Durham, Durham County, North Carolina**  
**S&ME Project No. 23050630 Task Order RI-12A**

| Site Feature | Type                   | Location  |            |            |              |
|--------------|------------------------|-----------|------------|------------|--------------|
|              |                        | Latitude  | Longitude  | Northing   | Easting      |
| LFGP-1       | Landfill Gas Probe     | 35.986689 | -78.870820 | 814,075.43 | 2,038,212.50 |
| LFGP-2       | Landfill Gas Probe     | 35.986734 | -78.870311 | 814,108.20 | 2,038,355.37 |
| LFGP-3       | Landfill Gas Probe     | 35.985899 | -78.871592 | 813,786.93 | 2,038,008.46 |
| LFGP-4       | Landfill Gas Probe     | 35.985218 | -78.871541 | 813547.08  | 2,037,998.90 |
| LFGP-5       | Landfill Gas Probe     | 35.984790 | -78.870751 | 813,374.90 | 2,038,227.65 |
| LFGP-6       | Landfill Gas Probe     | 35.985248 | -78.870655 | 813,562.22 | 2,038,269.38 |
| LFGP-7       | Landfill Gas Probe     | 35.985622 | -78.870238 | 813,714.23 | 2,038,386.41 |
| LFGP-8       | Landfill Gas Probe     | 35.985800 | -78.870342 | 813,787.48 | 2,038,358.54 |
| LFGP-9       | Landfill Gas Probe     | 35.987079 | -78.869709 | 814,215.04 | 2,038,539.37 |
| MW-1         | Monitor Well           | 35.986683 | -78.870838 | 814,075.43 | 2,038,212.50 |
| MW-2         | Monitor Well           | 35.986772 | -78.870354 | 814,108.20 | 2,038,355.37 |
| MW-3         | Monitor Well           | 35.985891 | -78.871528 | 813,786.93 | 2,038,008.46 |
| MW-4         | Monitor Well           | 35.985232 | -78.871562 | 813547.08  | 2,037,998.90 |
| MW-5         | Monitor Well           | 35.984758 | -78.870789 | 813,374.90 | 2,038,227.65 |
| MW-6         | Monitor Well           | 35.985273 | -78.870648 | 813,562.22 | 2,038,269.38 |
| MW-8         | Monitor Well           | 35.985891 | -78.870345 | 813,787.48 | 2,038,358.54 |
| MW-9         | Monitor Well           | 35.987065 | -78.869732 | 814,215.04 | 2,038,539.37 |
| SW-1/SED-1   | Surface Water Sediment | 35.984638 | -78.871159 | 813330.90  | 2038118.23   |
| SW-2/SED-2   | Surface Water Sediment | 35.984959 | -78.871029 | 813447.72  | 2038156.53   |
| SW-3/SED-3   | Surface Water Sediment | 35.985202 | -78.870914 | 813536.42  | 2038190.60   |
| SW-4/SED-4   | Surface Water Sediment | 35.985766 | -78.870655 | 813741.83  | 2038266.85   |
| SW-5/SED-5   | Surface Water Sediment | 35.986517 | -78.870312 | 814015.32  | 2038368.18   |
| SW-6/SED-6   | Surface Water Sediment | 35.987186 | -78.870219 | 814258.82  | 2038395.25   |
| SW-7/SED-7   | Surface Water Sediment | 35.987774 | -78.870173 | 814472.98  | 2038408.49   |

Notes:

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

## **Appendix II – S&ME Field Notes**

**LANDFILL GAS SCREENING FORM**



|                   |                  |                 |  |  |               |                        |
|-------------------|------------------|-----------------|--|--|---------------|------------------------|
| Project Name:     | East Durham Park | Location:       | Durham, NC                                   | <b>Meter Type/ Meter Name/ Serial No.:</b> |               |                        |
| NCDEQ ID No.:     | NONCD0000821     | Date:           | 11/4/2025                                    | Gas Analyzer                               | GEM PRO       |                        |
| S&ME Project No.: | 23050630         | Weather:        | Sunny  | PID  | Mini Rae 3000 | Pre Calibration Time:  |
| Task Order:       | RI-9             | S&ME Personnel: | Madison Allen/ Jonathan Olanin/ Logan Hester | Thermo Hygrometer                          |               | Post Calibration Time: |

| PRE Equipment Calibration |                             |     |                          | Calibration Notes | POST Equipment Calibration |                             |         |                          |           |
|---------------------------|-----------------------------|-----|--------------------------|-------------------|----------------------------|-----------------------------|---------|--------------------------|-----------|
| PID (Isobutylene)         | 0 ppm =                     | 0   | 100 ppm =                |                   | 100                        | PID (Isobutylene)           | 0 ppm = | 0                        | 100 ppm = |
| Fresh Air                 | CH <sub>4</sub> (0%) =      | 0   | O <sub>2</sub> (20.9%) = | 20.6              | Fresh Air                  | CH <sub>4</sub> (0%) =      | 0       | O <sub>2</sub> (20.9%) = | 20.6      |
| Methane High              | CH <sub>4</sub> (50%) =     | 50  | CO <sub>2</sub> (35%) =  | 35                | Methane High               | CH <sub>4</sub> (50%) =     | 50      | CO <sub>2</sub> (35%) =  | 35        |
|                           | O <sub>2</sub> (0%) =       | 0   |                          |                   |                            | O <sub>2</sub> (0%) =       | 0       |                          |           |
| H2S Mix                   | CH <sub>4</sub> (2.5%) =    | 2.5 | O <sub>2</sub> (18%) =   | 18                | H2S Mix                    | CH <sub>4</sub> (2.5%) =    | 2.5     | O <sub>2</sub> (18%) =   | 18        |
|                           | H <sub>2</sub> S (10 ppm) = | 10  | CO (50 ppm) =            | 50                |                            | H <sub>2</sub> S (10 ppm) = | 10      | CO (50 ppm) =            | 50        |

| Screening Data   |           |       |   |                   |                           |                |        |                  |                     |             |          |
|------------------|-----------|-------|---|-------------------|---------------------------|----------------|--------|------------------|---------------------|-------------|----------|
| Sample Location  | Time      | VOCs  |   | Methane           |                           | Carbon Dioxide | Oxygen | Hydrogen Sulfide | Barometric Pressure | Temperature | Humidity |
| ID               | hr:min    | ppm-v | % | volume in air (%) | % LEL (100% LEL = 5% CH4) | %              | %      | ppm-v            | in-Hg               | °F          | %        |
| BG-1             | 15:10     | 0.0   | 0 | 0.0               | 0                         | 0.0            | 21.4   | 0                | 29.90               | 66.0        | 41       |
| BG-2             | 15:15     | 0.0   | 0 | 0.0               | 0                         | 0.0            | 21.1   | 0                | 29.90               | 65.0        | 41       |
| LFGP-1           | 15:19     | 0.0   | 0 | 0.0               | 0                         | 0.8            | 19.7   | 0                | 29.90               | 66.0        | 41       |
| LFGP-2 (implant) | CNF       |       |   |                   |                           |                |        |                  |                     |             |          |
| LFGP-3 (implant) | Destroyed |       |   |                   |                           |                |        |                  |                     |             |          |
| LFGP-4           | 16:10     | 0.0   | 0 | 0.0               | 0                         | 9.4            | 0.8    | 0                | 29.90               | 66.0        | 42       |
| LFGP-5           | 15:46     | 0.0   | 0 | 0.0               | 0                         | 4.1            | 15.9   | 0                | 29.90               | 66.0        | 41       |
| LFGP-6           | 15:49     | 0.0   | 0 | 0.0               | 0                         | 0.3            | 19.6   | 0                | 29.90               | 66.0        | 41       |
| LFGP-7           | 16:17     | 0.0   | 0 | 0.0               | 0                         | 3.3            | 16.0   | 0                | 29.90               | 66.0        | 42       |
| LFGP-8           | Flooded   |       |   |                   |                           |                |        |                  |                     |             |          |
| LFGP-9           | 16:02     | 0.0   | 0 | 0.0               | 0                         | 3.0            | 17.2   | 0                | 29.90               | 66.0        | 41       |
|                  |           |       |   |                   |                           |                |        |                  |                     |             |          |
|                  |           |       |   |                   |                           |                |        |                  |                     |             |          |
|                  |           |       |   |                   |                           |                |        |                  |                     |             |          |
|                  |           |       |   |                   |                           |                |        |                  |                     |             |          |
|                  |           |       |   |                   |                           |                |        |                  |                     |             |          |
|                  |           |       |   |                   |                           |                |        |                  |                     |             |          |
|                  |           |       |   |                   |                           |                |        |                  |                     |             |          |
|                  |           |       |   |                   |                           |                |        |                  |                     |             |          |
|                  |           |       |   |                   |                           |                |        |                  |                     |             |          |
|                  |           |       |   |                   |                           |                |        |                  |                     |             |          |
|                  |           |       |   |                   |                           |                |        |                  |                     |             |          |
|                  |           |       |   |                   |                           |                |        |                  |                     |             |          |
|                  |           |       |   |                   |                           |                |        |                  |                     |             |          |
|                  |           |       |   |                   |                           |                |        |                  |                     |             |          |
|                  |           |       |   |                   |                           |                |        |                  |                     |             |          |
|                  |           |       |   |                   |                           |                |        |                  |                     |             |          |

|                   |           |          |        |   |
|-------------------|-----------|----------|--------|---|
| Name              | Signature | Date     | Notes: | LFGP-8 full of water over the screen. Unable to screen for landfill gas. LFGP-3 destroyed, will sample as a flux chamber. CNF LFGP-2 at time of screening |
| (1) Madison Allen |           | 2/6/2026 |        |   |

## SOIL VAPOR FIELD SAMPLING FORM



|                                    |                  |  |  |                          |            |
|------------------------------------|------------------|--|--|--------------------------|------------|
| <b>Project Name:</b>               | East Durham Park |  |  | <b>Date:</b>             | 11/13/2025 |
| <b>Project Number:</b>             | 23050630         |  |  | <b>Air Temp (°F):</b>    | 60         |
| <b>Location:</b>                   | Durham NC        |  |  | <b>Calibration Date:</b> | 11/13/2025 |
| <b>Weather:</b>                    | Sunny            |  |  |                          |            |
| <b>Helium Detector Serial No.:</b> |                  |  |  |                          |            |

| Sample Information         |                  |                  |                  |                  |                  |
|----------------------------|------------------|------------------|------------------|------------------|------------------|
| Sample Type                | Soil Gas Implant | Soil Gas Implant | Soil Gas Implant | Soil Gas Implant | Soil Gas Implant |
| Sample ID                  | LFGP-9           | LFGP-4           | LFGP-2           | LFGP-5           | LFGP-DUP-01      |
| Canister ID                | 6L2988           | 6L1806           | 6L27429          | 6L0511           | 6L1725           |
| Regulator ID               | 23469            | 23223            | 23462            | 24011            | 23386            |
| Canister Volume (L)        | 6                | 6                | 6                | 6                | 6                |
| Ambient Temp (°F)          |                  |                  |                  |                  |                  |
| Barometric Pressure (inHg) |                  |                  |                  |                  |                  |

| Leak Test Information                            |               |               |               |               |               |
|--|---------------|---------------|---------------|---------------|---------------|
| Purge Method                                     | Personal Pump | Personal Pump | Personal Pump | Personal Pump | Personal Pump |
| He Concentration in Shroud (%)                   |               |               |               | 16            | 16            |
| 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) <sup>1</sup>           | Yes           | Yes           | Yes           | Yes           | Yes           |

| Purge Information                 |                   |                   |               |                   |                   |               |                   |                   |               |                   |                   |               |                   |                   |               |
|-----------------------------------|-------------------|-------------------|---------------|-------------------|-------------------|---------------|-------------------|-------------------|---------------|-------------------|-------------------|---------------|-------------------|-------------------|---------------|
| Enter Construction Details →      | 0.17" ID          | 0.25" ID          | Sand Pack     | 0.17" ID          | 0.25" ID          | Sand Pack     | 0.17" ID          | 0.25" ID          | Sand Pack     | 0.17" ID          | 0.25" ID          | Sand Pack     | 0.17" ID          | 0.25" ID          | Sand Pack     |
|                                   | Total Tubing (ft) | Total Tubing (in) | Interval (in) | Total Tubing (ft) | Total Tubing (in) | Interval (in) | Total Tubing (ft) | Total Tubing (in) | Interval (in) | Total Tubing (ft) | Total Tubing (in) | Interval (in) | Total Tubing (ft) | Total Tubing (in) | Interval (in) |
|                                   | 3                 |                   | 1.5           | 3                 |                   | 1.5           | 3                 |                   | 1.5           | 3                 |                   | 1             | 3                 |                   | 1.5           |
| Sand Pack Interval Depth (in-bgs) | 1                 | to                | 2             | 1                 | to                | 2             | 1                 | to                | 2             | 1                 | to                | 2             | 1                 | to                | 2             |
| Total Well Depth (in-bgs)         | 3                 |                   |               | 2                 |                   |               |                   |                   |               |                   |                   |               |                   |                   |               |
| Volume (mL)                       | 229               |                   |               | 229               |                   |               | 229               |                   |               | 171               |                   |               | 229               |                   |               |
| Purge Flow Rate (mL/min)          | 200               |                   |               | 200               |                   |               | 200               |                   |               | 200               |                   |               | 200               |                   |               |
| Purge Interval (3x Vol.) (min)    | 3.4               |                   |               | 3.4               |                   |               | 3.4               |                   |               | 2.6               |                   |               | 3.4               |                   |               |
| Actual Purge Time (min)           | 20.0              |                   |               | 10.0              |                   |               | 4.0               |                   |               |                   |                   |               |                   |                   |               |

| Sample Collection            |       |  |       |  |       |  |       |  |       |  |
|------------------------------|-------|--|-------|--|-------|--|-------|--|-------|--|
| Start Time                   | 11:50 |  | 12:42 |  | 12:57 |  | 11:02 |  | 11:02 |  |
| Initial Vacuum (inHg)        | 28    |  | 25    |  | 30    |  | 30    |  | 28    |  |
| End Time                     | 12:57 |  | 13:45 |  | 13:57 |  | 12:02 |  | 12:02 |  |
| Final Vacuum (inHg)          | 7     |  | 9     |  | 7     |  | 8     |  | 8     |  |
| Approximate Total Time (min) | 67    |  | 63    |  | 60    |  | 60    |  | 60    |  |
| Sample Analysis              |       |  |       |  |       |  |       |  |       |  |

| Sampler Information |               |                    |                 |
|---------------------|---------------|--------------------|-----------------|
| Sampled by:         | Madison Allen | Sampler Signature: | <i>Mr Allen</i> |
|                     |               | Date:              | 2/6/2026        |

- Notes:**
- Per the NCDEQ DWM VI Guidance dated April 2014, the helium concentration detected during the leak test shall not exceed 10% of the helium concentration in the shroud.
  - LFGP-DUP-01 taken at LFGP-5

## SOIL VAPOR FIELD SAMPLING FORM



|                                    |                           |  |  |                          |            |
|------------------------------------|---------------------------|--|--|--------------------------|------------|
| <b>Project Name:</b>               | East Durham Park          |  |  | <b>Date:</b>             | 14-Nov     |
| <b>Project Number:</b>             | 23060630 Task Order RI-13 |  |  | <b>Air Temp (°F):</b>    | 60         |
| <b>Location:</b>                   | Durham, NC                |  |  | <b>Calibration Date:</b> | 11/14/2025 |
| <b>Weather:</b>                    | Sunny                     |  |  |                          |            |
| <b>Helium Detector Serial No.:</b> |                           |  |  |                          |            |

| Sample Information         |         |        |        |        |        |
|----------------------------|---------|--------|--------|--------|--------|
| Sample Type                |         |        |        |        |        |
| Sample ID                  | LFGP-1  | LFGP-3 | LFGP-6 | LFGP-7 | LFGP-8 |
| Canister ID                | 6 L1804 | 6L0774 | 6L0232 | 6L0307 | 6L2081 |
| Regulator ID               | 23730   | 24725  | 23793  | 23627  | 25428  |
| Canister Volume (L)        | 6       | 6      | 6      | 6      | 6      |
| Ambient Temp (°F)          |         |        |        |        |        |
| Barometric Pressure (inHg) |         |        |        |        |        |

| Leak Test Information                            |               |               |               |               |               |
|--|---------------|---------------|---------------|---------------|---------------|
| Purge Method                                     | Personal Pump | Personal Pump | Personal Pump | Personal Pump | Personal Pump |
| He Concentration in Shroud (%)                   | 14.4          |               | 15.2          | 18.5          | 15.9          |
| He Detected in Leak Test (Y or N)                | No            | No            | No            | No            | No            |
| He Conc. Detected in Leak Test (ppm)             | 0             |               | 0             | 0             | 0             |
| Percent of He in the Leak Test versus the Shroud | 0.000%        |               | 0.000%        | 0.000%        | 0.000%        |
| Leak Test Passed (Yes/No)                        | Yes           |               | Yes           | Yes           | Yes           |

| Purge Information                 |                   |                   |                         |                   |                   |                         |                   |                   |                         |                   |                   |                         |                   |                   |                         |                   |                   |                         |
|-----------------------------------|-------------------|-------------------|-------------------------|-------------------|-------------------|-------------------------|-------------------|-------------------|-------------------------|-------------------|-------------------|-------------------------|-------------------|-------------------|-------------------------|-------------------|-------------------|-------------------------|
| Enter Construction Details        | 0.17" ID          |                   |                         | 0.25" ID          |                   |                         | 0.17" ID          |                   |                         | 0.25" ID          |                   |                         | 0.17" ID          |                   |                         | 0.25" ID          |                   |                         |
|                                   | Total Tubing (ft) | Total Tubing (in) | Sand Pack Interval (in) | Total Tubing (ft) | Total Tubing (in) | Sand Pack Interval (in) | Total Tubing (ft) | Total Tubing (in) | Sand Pack Interval (in) | Total Tubing (ft) | Total Tubing (in) | Sand Pack Interval (in) | Total Tubing (ft) | Total Tubing (in) | Sand Pack Interval (in) | Total Tubing (ft) | Total Tubing (in) | Sand Pack Interval (in) |
| →                                 | 3                 |                   | 1                       | 3                 |                   | 1                       | 5                 |                   | 5                       | 5                 | 10                | 5                       | 5                 |                   | 5                       |                   | 5                 |                         |
| Sand Pack Interval Depth (in-bgs) | 2                 | to                | 3                       | 2                 | to                | 3                       | 4                 | to                | 9                       | 5                 | to                | 10                      | 5                 | to                | 10                      | 5                 | to                | 10                      |
| Total Well Depth (in-bgs)         | 3                 |                   |                         | 3                 |                   |                         | 9                 |                   |                         | 10                |                   |                         | 9                 |                   |                         |                   |                   |                         |
| Volume (mL)                       | 171               |                   |                         | 171               |                   |                         | 642               |                   |                         | 650               |                   |                         | 642               |                   |                         |                   |                   |                         |
| Purge Flow Rate (mL/min)          | 200               |                   |                         | 200               |                   |                         | 200               |                   |                         | 200               |                   |                         | 200               |                   |                         |                   |                   |                         |
| Purge Interval (3x Vol.) (min)    | 2.6               |                   |                         | 2.6               |                   |                         | 9.6               |                   |                         | 9.8               |                   |                         | 9.6               |                   |                         |                   |                   |                         |
| Actual Purge Time (min)           | 4.0               |                   |                         | 4.0               |                   |                         | 11.0              |                   |                         | 11.0              |                   |                         | 15.0              |                   |                         |                   |                   |                         |

| Sample Collection            |       |  |       |  |       |  |       |  |       |  |
|------------------------------|-------|--|-------|--|-------|--|-------|--|-------|--|
| Start Time                   | 11:13 |  | 10:01 |  | 09:57 |  | 09:43 |  | 09:40 |  |
| Initial Vacuum (inHg)        | 26    |  | 30    |  | 30    |  | 26    |  | 30    |  |
| End Time                     | 12:06 |  | 11:05 |  | 10:57 |  | 10:43 |  | 10:42 |  |
| Final Vacuum (inHg)          | 5     |  | 6     |  | 6     |  | 6     |  | 7     |  |
| Approximate Total Time (min) | 53    |  | 64    |  | 60    |  | 60    |  | 62    |  |
| Sample Analysis              |       |  |       |  |       |  |       |  |       |  |

| Sampler Information |               |                    |                 |
|---------------------|---------------|--------------------|-----------------|
| Sampled by:         | Madison Allen | Sampler Signature: | Date: 2/26/2026 |

- Notes:**
- Per the NCDEQ DWM VI Guidance dated April 2014, the helium concentration detected during the leak test shall not exceed 10% of the helium concentration in the shroud.
  - LFGP-1 sampled on 11/13/25, LFGP-3/6/7/8 taken on 11/14/25. LFGP-2 and LFGP-3 were sampled as flux chambers.

## GROUNDWATER SAMPLING FIELD DATA

Location: East Durham Park  
 Project No: 23050630BK  
 Source Well: MW-1

Purge Date: Wednesday, October 15, 2025  
 Purge Time: 930  
 Sample Date: Wednesday, October 15, 2025  
 Sample Time: 945  
 Weather: Sunny  
 Air Temp: 62

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

### Water Level & Well Data

Depth to water from measuring point: 10.42 feet  
 Depth to well bottom from measuring point: 31.43 feet  
 Height of water column: 21.01 feet  
 Measuring point: Top of Casing 10.42

### Well Purging & Sample Collection

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

**Purge Time**  
 Start 930 Stop 940  
**Sample Collection Time**  
 Start 945 Stop 1005

Volume of water in well  
 2" well:

height: 21.01 x .163 = 3.42463 Gallons 13.0 Liters

Volume of water removed \_\_\_\_\_ gallons 1125  
liters x  
1125

Was well purged dry Yes \_\_\_\_\_ No

### Field Analyses

\*Stabilization Parameters

| Time | Date     | Temp<br>(*F) | pH   | Conductivity<br>(µS/cm) | *Turbidity<br>(NTU) | DO<br>(mg/L) | DTW |
|------|----------|--------------|------|-------------------------|---------------------|--------------|-----|
| 9:30 | 10/15/25 | 68.50        | 7.10 | 742.000                 | 51.76               |              |     |
| 9:35 |          | 67.50        | 7.10 | 684.0                   | 42.91               |              |     |
| 9:40 |          | 67.50        | 7.09 | 676.0                   | 44.07               |              |     |
|      |          |              |      |                         |                     |              |     |
|      |          |              |      |                         |                     |              |     |
|      |          |              |      |                         |                     |              |     |
|      |          |              |      |                         |                     |              |     |
|      |          |              |      |                         |                     |              |     |
|      |          |              |      |                         |                     |              |     |
|      |          |              |      |                         |                     |              |     |
|      |          |              |      |                         |                     |              |     |
|      |          |              |      |                         |                     |              |     |
|      |          |              |      |                         |                     |              |     |
|      |          |              |      |                         |                     |              |     |
|      |          |              |      |                         |                     |              |     |

Final Readings 

|  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|

  
\* F units µS/cm NTU

### Analytical Data

| Method | Container Type and No. | Preservation |
|--------|------------------------|--------------|
|        |                        |              |
|        |                        |              |
|        |                        |              |

Comments \_\_\_\_\_  
 \_\_\_\_\_

Sampler Signatures (1) Melanie Juarez  
 (2) \_\_\_\_\_

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

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

Purge Date: Wednesday, October 15, 2025  
 Purge Time: 1025  
 Sample Date: Wednesday, October 15, 2025  
 Sample Time: 1050  
 Weather: Sunny  
 Air Temp: 68

**Water Level & Well Data**

Depth to water from measuring point: 10.42 feet  
 Depth to well bottom from measuring point: 42.60 feet  
 Height of water column: 32.18 feet  
 Measuring point: Top of Casing 10.42

**Well Purging & Sample Collection**

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

**Purge Time**  
 Start 1025 Stop 1045  
**Sample Collection Time**  
 Start 1050 Stop 1110

Volume of water in well  
 2" well:  
 height: 32.18 x .163 = 5.24534 Gallons 19.9 Liters

Volume of water removed \_\_\_\_\_ gallons \_\_\_\_\_ liters   x  

Was well purged dry Yes \_\_\_\_\_ No   x  

**Field Analyses**

\*Stabilization Parameters

| Time  | Date     | Temp (*F) | pH   | Conductivity (µS/cm) | *Turbidity (NTU) | DO (mg/L) | DTW |
|-------|----------|-----------|------|----------------------|------------------|-----------|-----|
| 10:25 | 10/15/25 | 67.50     | 7.52 | 818.000              | 56.59            |           |     |
| 10:30 |          | 65.80     | 7.53 | 774.0                | 53.84            |           |     |
| 10:35 |          | 65.70     | 7.56 | 726.0                | 36.05            |           |     |
| 10:40 |          | 65.10     | 7.64 | 793.0                | 19.57            |           |     |
| 10:45 |          | 65.10     | 7.67 | 792.0                | 21.60            |           |     |
|       |          |           |      |                      |                  |           |     |
|       |          |           |      |                      |                  |           |     |
|       |          |           |      |                      |                  |           |     |
|       |          |           |      |                      |                  |           |     |
|       |          |           |      |                      |                  |           |     |

Final Readings \_\_\_\_\_  
 \_\_\_\_\_  
 \* F units µS/cm NTU

**Analytical Data**

| Method | Container Type and No. | Preservation |
|--------|------------------------|--------------|
|        |                        |              |
|        |                        |              |
|        |                        |              |

Comments \_\_\_\_\_  
 \_\_\_\_\_

Sampler Signatures (1) Melanie Juarez  
 (2) \_\_\_\_\_

## GROUNDWATER SAMPLING FIELD DATA

Location: East End Durham Park  
 Project No: 23050630BK  
 Source Well: MW-3

Purge Date: Wednesday, October 15, 2025  
 Purge Time: 1300  
 Sample Date: Wednesday, October 15, 2025  
 Sample Time: 1315  
 Weather: Sunny  
 Air Temp: 72

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

### Water Level & Well Data

Depth to water from measuring point: 5.42 feet  
 Depth to well bottom from measuring point: 51.22 feet  
 Height of water column: 45.80 feet  
 Measuring point: Top of Casing 5.42

### Well Purging & Sample Collection

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

**Purge Time**  
 Start 1300 Stop 1310  
**Sample Collection Time**  
 Start 1315 Stop 1335

Volume of water in well  
 2" well:  
 height: 45.8 x .163 = 7.4654 Gallons 28.3 Liters

Volume of water removed \_\_\_\_\_ gallons 1125  
liters x  
1125

Was well purged dry Yes \_\_\_\_\_ No

### Field Analyses

\*Stabilization Parameters

| Time  | Date     | Temp<br>(*F) | pH   | Conductivity<br>(µS/cm) | *Turbidity<br>(NTU) | DO<br>(mg/L) | DTW |
|-------|----------|--------------|------|-------------------------|---------------------|--------------|-----|
| 13:00 | 10/15/25 | 82.80        | 7.40 | 627.000                 | 27.16               |              |     |
| 13:05 | 10/15/25 | 79.90        | 7.47 | 649.0                   | 29.13               |              |     |
| 13:10 | 10/15/25 | 78.20        | 7.46 | 642.0                   | 23.44               |              |     |
|       |          |              |      |                         |                     |              |     |
|       |          |              |      |                         |                     |              |     |
|       |          |              |      |                         |                     |              |     |
|       |          |              |      |                         |                     |              |     |
|       |          |              |      |                         |                     |              |     |
|       |          |              |      |                         |                     |              |     |
|       |          |              |      |                         |                     |              |     |
|       |          |              |      |                         |                     |              |     |

Final Readings 

|  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|

  
\* F units µS/cm NTU

### Analytical Data

| Method | Container Type and No. | Preservation |
|--------|------------------------|--------------|
|        |                        |              |
|        |                        |              |
|        |                        |              |

Comments \_\_\_\_\_  
 \_\_\_\_\_

Sampler Signatures (1) Melanie Juarez  
 (2) \_\_\_\_\_

## GROUNDWATER SAMPLING FIELD DATA

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

Purge Date: Wednesday, October 15, 2025  
 Purge Time: 1225  
 Sample Date: Wednesday, October 15, 2025  
 Sample Time: 1240  
 Weather: Sunny  
 Air Temp: 70

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

### Water Level & Well Data

Depth to water from measuring point: 9.94 feet  
 Depth to well bottom from measuring point: 53.24 feet  
 Height of water column: 43.30 feet  
 Measuring point: Top of Casing:

### Well Purging & Sample Collection

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

**Purge Time**  
 Start 1225 Stop 1235  
**Sample Collection Time**  
 Start 1240 Stop 1300

Volume of water in well  
 2" well:  
 height: 43.3 x .163 = 7.0579 Gallons 26.7 Liters

Volume of water removed \_\_\_\_\_ gallons 1125  
liters x  
1125

Was well purged dry Yes \_\_\_\_\_ No

### Field Analyses

\*Stabilization Parameters

| Time  | Date     | Temp<br>(*F) | pH   | Conductivity<br>(µS/cm) | *Turbidity<br>(NTU) | DO<br>(mg/L) | DTW |
|-------|----------|--------------|------|-------------------------|---------------------|--------------|-----|
| 12:25 | 10/15/25 | 66.70        | 7.56 | 553.000                 | 79.70               |              |     |
| 12:30 |          | 66.72        | 7.56 | 421.0                   | 80.73               |              |     |
| 12:35 |          | 66.72        | 7.56 | 386.0                   | 113.40              |              |     |
|       |          |              |      |                         |                     |              |     |
|       |          |              |      |                         |                     |              |     |
|       |          |              |      |                         |                     |              |     |
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Final Readings 

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\* F units µS/cm NTU

### Analytical Data

| Method | Container Type and No. | Preservation |
|--------|------------------------|--------------|
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Comments \_\_\_\_\_  
 \_\_\_\_\_

Sampler Signatures (1) Melanie Juarez  
 (2) \_\_\_\_\_

## GROUNDWATER SAMPLING FIELD DATA

Location: East End Durham Park  
 Project No.: 23050630BK  
 Source Well: MW-5

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

Purge Date: Wednesday, October 15, 2025  
 Purge Time: 1600  
 Sample Date: Wednesday, October 15, 2025  
 Sample Time: 1615  
 Weather: Sunny  
 Air Temp: 74

### Water Level & Well Data

Depth to water from measuring point: 6.60 feet  
 Depth to well bottom from measuring point: 46.85 feet  
 Height of water column: 40.25 feet  
 Measuring point: Top of Casing: 6.60ft

### Well Purging & Sample Collection

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

**Purge Time**  
 Start 1600 Stop 1610  
**Sample Collection Time**  
 Start 1615 Stop 1635

Volume of water in well  
 2" well:

height: 40.25 x .163 = 6.56075 Gallons 24.8 Liters

Volume of water removed \_\_\_\_\_ gallons 1125  
liters x  
1125

Was well purged dry Yes \_\_\_\_\_ No

### Field Analyses

\*Stabilization Parameters

| Time  | Date     | Temp<br>(*F) | pH   | Conductivity<br>( $\mu$ S/cm) | *Turbidity<br>(NTU) | DO<br>(mg/L) | DTW |
|-------|----------|--------------|------|-------------------------------|---------------------|--------------|-----|
| 16:00 | 10/15/25 | 78.60        | 7.07 | 492.000                       | 22.28               |              |     |
| 16:05 | 10/15/25 | 76.50        | 6.94 | 476.0                         | 15.51               |              |     |
| 16:10 | 10/15/25 | 76.80        | 6.89 | 479.0                         | 22.69               |              |     |
|       |          |              |      |                               |                     |              |     |
|       |          |              |      |                               |                     |              |     |
|       |          |              |      |                               |                     |              |     |
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Final Readings

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|  |     |       |            |     |  |  |
|  | * F | units | $\mu$ S/cm | NTU |  |  |

### Analytical Data

| Method | Container Type and No. | Preservation |
|--------|------------------------|--------------|
|        |                        |              |
|        |                        |              |
|        |                        |              |

Comments \_\_\_\_\_  
 \_\_\_\_\_

Sampler Signatures (1) Melanie Juarez  
 (2) \_\_\_\_\_

## GROUNDWATER SAMPLING FIELD DATA

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

Purge Date: Wednesday, October 15, 2025  
 Purge Time: 1515  
 Sample Date: Wednesday, October 15, 2025  
 Sample Time: 1535  
 Weather: Sunny  
 Air Temp: 74

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

### Water Level & Well Data

Depth to water from measuring point: 5.50 feet  
 Depth to well bottom from measuring point: 15.07 feet  
 Height of water column: 9.57 feet  
 Measuring point: Top of Casing: 5.50

### Well Purging & Sample Collection

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

**Purge Time**  
 Start 1515 Stop 1530  
**Sample Collection Time**  
 Start 1535 Stop 1555

Volume of water in well  
 2" well:  
 height: 9.57 x .163 = 1.55991 Gallons 5.9 Liters

Volume of water removed \_\_\_\_\_ gallons 1125  
liters x

Was well purged dry Yes \_\_\_\_\_ No

### Field Analyses

\*Stabilization Parameters

| Time  | Date     | Temp (*F) | pH   | Conductivity (µS/cm) | *Turbidity (NTU) | DO (mg/L) | DTW |
|-------|----------|-----------|------|----------------------|------------------|-----------|-----|
| 15:15 | 10/15/25 | 81.10     | 6.83 | 306.000              | 381.20           |           |     |
| 15:20 | 10/15/25 | 76.30     | 6.82 | 315.0                | 84.21            |           |     |
| 15:25 | 10/15/25 | 74.80     | 6.69 | 321.0                | 45.14            |           |     |
| 15:30 | 10/15/25 | 75.40     | 6.33 | 318.0                | 32.00            |           |     |
|       |          |           |      |                      |                  |           |     |
|       |          |           |      |                      |                  |           |     |
|       |          |           |      |                      |                  |           |     |
|       |          |           |      |                      |                  |           |     |
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Final Readings 

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\* F units µS/cm NTU

### Analytical Data

| Method | Container Type and No. | Preservation |
|--------|------------------------|--------------|
|        |                        |              |
|        |                        |              |
|        |                        |              |

Comments \_\_\_\_\_  
 \_\_\_\_\_

Sampler Signatures (1) Melanie Juarez  
 (2) \_\_\_\_\_

## GROUNDWATER SAMPLING FIELD DATA

Location: East End Durham Park  
 Project No: 23050630BK  
 Source Well: MW-7

Purge Date: Wednesday, October 15, 2025  
 Purge Time: 1430  
 Sample Date: Wednesday, October 15, 2025  
 Sample Time: 1500  
 Weather: Sunny  
 Air Temp: 74

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

### Water Level & Well Data

Depth to water from measuring point: 9.06 feet  
 Depth to well bottom from measuring point: 31.39 feet  
 Height of water column: 22.33 feet  
 Measuring point: Top of Casing: 9.06

### Well Purging & Sample Collection

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

**Purge Time**  
 Start 1430 Stop 1455  
**Sample Collection Time**  
 Start 1500 Stop 1520

Volume of water in well  
 2" well:

height: 22.33 x .163 = 3.63979 Gallons 13.8 Liters

Volume of water removed \_\_\_\_\_ gallons 1125  
liters x  
1125

Was well purged dry Yes \_\_\_\_\_ No

### Field Analyses

\*Stabilization Parameters

| Time  | Date     | Temp<br>(*F) | pH   | Conductivity<br>(µS/cm) | *Turbidity<br>(NTU) | DO<br>(mg/L) | DTW |
|-------|----------|--------------|------|-------------------------|---------------------|--------------|-----|
| 14:30 | 10/15/25 | 83.80        | 7.15 | 667.000                 | 668.60              |              |     |
| 14:35 |          | 77.90        | 7.28 | 708.0                   | 139.00              |              |     |
| 14:40 |          | 75.70        | 7.29 | 708.0                   | 81.72               |              |     |
| 14:45 |          | 73.90        | 7.31 | 709.0                   | 62.18               |              |     |
| 14:50 |          | 76.50        | 7.31 | 679.0                   | 31.44               |              |     |
| 14:55 |          | 73.90        | 7.37 | 697.0                   | 32.26               |              |     |
|       |          |              |      |                         |                     |              |     |
|       |          |              |      |                         |                     |              |     |
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Final Readings

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|  |  |     |       |       |     |  |
|  |  | * F | units | µS/cm | NTU |  |

### Analytical Data

| Method | Container Type and No. | Preservation |
|--------|------------------------|--------------|
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|        |                        |              |

Comments \_\_\_\_\_  
 \_\_\_\_\_

Sampler Signatures (1) Melanie Juarez  
 (2) \_\_\_\_\_

## GROUNDWATER SAMPLING FIELD DATA

Location: East End Durham Park  
 Project No: 23050630BK  
 Source Well: MW-8

Purge Date: Wednesday, October 15, 2025  
 Purge Time: 1345  
 Sample Date: Wednesday, October 15, 2025  
 Sample Time: 1415  
 Weather: Sunny  
 Air Temp: 74

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

### Water Level & Well Data

Depth to water from measuring point: 5.90 feet  
 Depth to well bottom from measuring point: 15.21 feet  
 Height of water column: 9.31 feet  
 Measuring point: Top of Casing: 5.90

### Well Purging & Sample Collection

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

**Purge Time**  
 Start 1345 Stop 1410  
**Sample Collection Time**  
 Start 1415 Stop 1435

Volume of water in well  
 2" well:

height: 9.31 x .163 = 1.51753 Gallons 5.7 Liters

Volume of water removed \_\_\_\_\_ gallons 1125 liters x  
1125

Was well purged dry Yes \_\_\_\_\_ No x

### Field Analyses

\*Stabilization Parameters

| Time  | Date     | Temp (*F) | pH   | Conductivity (µS/cm) | *Turbidity (NTU) | DO (mg/L) | DTW |
|-------|----------|-----------|------|----------------------|------------------|-----------|-----|
| 13:45 | 10/15/25 | 83.50     | 7.22 | 796.000              | 832.80           |           |     |
| 13:50 |          | 79.20     | 7.21 | 835.0                | 436.30           |           |     |
| 13:55 |          | 79.20     | 7.16 | 738.0                | 184.00           |           |     |
| 14:00 |          | 81.90     | 6.90 | 712.0                | 44.21            |           |     |
| 14:05 |          | 81.90     | 6.87 | 668.0                | 20.12            |           |     |
| 14:10 |          | 81.70     | 6.87 | 615.0                | 11.99            |           |     |
|       |          |           |      |                      |                  |           |     |
|       |          |           |      |                      |                  |           |     |
|       |          |           |      |                      |                  |           |     |
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Final Readings

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|  |  | * F | units | µS/cm | NTU |  |

### Analytical Data

| Method | Container Type and No. | Preservation |
|--------|------------------------|--------------|
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Comments \_\_\_\_\_  
 \_\_\_\_\_

Sampler Signatures (1) Melanie Juarez  
 (2) \_\_\_\_\_

## GROUNDWATER SAMPLING FIELD DATA

Location: East Durham Park  
 Project No: 23050630BK  
 Source Well: MW-9

Purge Date: Wednesday, October 15, 2025  
 Purge Time: 1115  
 Sample Date: Wednesday, October 15, 2025  
 Sample Time: 1140  
 Weather: Sunny  
 Air Temp: 67

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

### Water Level & Well Data

Depth to water from measuring point: 4.79 feet  
 Depth to well bottom from measuring point: 21.36 feet  
 Height of water column: 16.57 feet  
 Measuring point: Top of Casing 4.79

### Well Purging & Sample Collection

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

**Purge Time**  
 Start 1115 Stop 1135  
**Sample Collection Time**  
 Start 1140 Stop 1200

Volume of water in well  
 2" well:  
 height: 16.57 x .163 = 2.70091 Gallons 10.2 Liters

Volume of water removed \_\_\_\_\_ gallons 1125  
liters x  
1125

Was well purged dry Yes \_\_\_\_\_ No

### Field Analyses

\*Stabilization Parameters

| Time  | Date     | Temp<br>(*F) | pH   | Conductivity<br>(µS/cm) | *Turbidity<br>(NTU) | DO<br>(mg/L) | DTW |
|-------|----------|--------------|------|-------------------------|---------------------|--------------|-----|
| 11:15 | 10/15/25 | 64.20        | 7.69 | 565.000                 | 552.00              |              |     |
| 11:20 |          | 64.60        | 7.74 | 542.0                   | 299.50              |              |     |
| 11:25 |          | 65.50        | 7.79 | 518.0                   | 189.10              |              |     |
| 11:30 |          | 65.10        | 7.77 | 532.0                   | 67.97               |              |     |
| 11:35 |          | 65.70        | 7.80 | 509.0                   | 56.62               |              |     |
|       |          |              |      |                         |                     |              |     |
|       |          |              |      |                         |                     |              |     |
|       |          |              |      |                         |                     |              |     |
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Final Readings 

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\* F units µS/cm NTU

### Analytical Data

| Method | Container Type and No. | Preservation |
|--------|------------------------|--------------|
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|        |                        |              |
|        |                        |              |

Comments \_\_\_\_\_  
 \_\_\_\_\_

Sampler Signatures (1) Melanie Juarez  
 (2) \_\_\_\_\_

**Appendix III – Laboratory Analytical Reports and  
Chains of Custody**

**Analytical Report**

12/9/2025

Mr. Logan Hester

S & ME, Inc.

3201 Spring Forest Road

Raleigh NC 27616

Project Name: Durham Parks

Project #: 65000581

Workorder #: 2511535A

Dear Mr. Logan Hester

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

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

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

Regards,



Brian Whittaker

Project Manager

**WORK ORDER #: 2511535A**

Work Order Summary

|                        |  |                  |  |
|------------------------|--|------------------|--|
| <b>CLIENT:</b>         | Mr. Logan Hester<br>S & ME, Inc.<br>3201 Spring Forest Road<br>Raleigh, NC 27616 | <b>BILL TO:</b>  | Mr. Logan Hester<br>S & ME, Inc.<br>3201 Spring Forest Road<br>Raleigh, NC 27616 |
| <b>PHONE:</b>          | 919-872-2660   | <b>P.O. #</b>    |  |
| <b>FAX:</b>            | 919-790-8909   | <b>PROJECT #</b> | 65000581 Durham Parks  |
| <b>DATE RECEIVED:</b>  | 11/19/2025   | <b>CONTACT:</b>  | Brian Whittaker  |
| <b>DATE COMPLETED:</b> | 12/09/2025   |                  |  |

| <u>FRACTION #</u> | <u>NAME</u>     | <u>TEST</u> | <u>RECEIPT<br/>VAC./PRES.</u> | <u>FINAL<br/>PRESSURE</u> |
|-------------------|-----------------|-------------|-------------------------------|---------------------------|
| 01A               | 821-LFGP-9      | TO-15       | 6.1 "Hg                       | 1.9 psi                   |
| 02A               | 821-LFGP-4      | TO-15       | 12 "Hg                        | 2.3 psi                   |
| 03A               | 821-LFGP-2      | TO-15       | 9.2 "Hg                       | 1.9 psi                   |
| 04A               | 821-LFGP-5      | TO-15       | 7.8 "Hg                       | 2 psi                     |
| 05A               | 821-LFGP-DUP-01 | TO-15       | 8.8 "Hg                       | 2 psi                     |
| 06A               | 821-LFGP-1      | TO-15       | 10.4 "Hg                      | 2 psi                     |
| 07A               | 821-LFGP-3      | TO-15       | 9 "Hg                         | 1.7 psi                   |
| 08A               | 821-LFGP-6      | TO-15       | 8.6 "Hg                       | 1.9 psi                   |
| 09A               | 821-LFGP-7      | TO-15       | 6.9 "Hg                       | 2 psi                     |
| 10A               | 821-LFGP-8      | TO-15       | 8.4 "Hg                       | 1.9 psi                   |
| 11A               | Lab Blank       | TO-15       | NA                            | NA                        |
| 11B               | Lab Blank       | TO-15       | NA                            | NA                        |
| 12A               | CCV             | TO-15       | NA                            | NA                        |
| 12B               | CCV             | TO-15       | NA                            | NA                        |
| 13A               | LCS             | TO-15       | NA                            | NA                        |
| 13AA              | LCSD            | TO-15       | NA                            | NA                        |
| 13B               | LCS             | TO-15       | NA                            | NA                        |
| 13BB              | LCSD            | TO-15       | NA                            | NA                        |

CERTIFIED BY:   
 \_\_\_\_\_  
 Technical Director

DATE: 12/09/25

Cert. No.: AZ Licensure-AZ0775, FL NELAP-E87680, LA NELAP-02089, MN NELAP-2836569, NH NELAP-209224-A, NJ NELAP-CA016, NY NELAP-11291, TX NELAP-T104704434, UT NELAP-CA009332023-16, VA NELAP-13180, WA NELAP-C935

Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) CA300005-21  
 Eurofins Environment Testing Northern California, LLC certifies that the test results contained in this report meet all requirements of the 2016 TNI Standard.

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

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630  
 (916) 985-1000

**LABORATORY NARRATIVE**  
**EPA Method TO-15**  
**S & ME, Inc.**  
**Workorder# 2511535A**

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

**Receiving Notes**

The Chain of Custody (COC) information for sample 821-LFGP-2 did not match the information on the canister with regard to canister barcode. The sample labeled 6L27429 on the COC is labeled as 6L0957 on the canister. The client was notified of the discrepancy and the information on the canister was used to process and report the sample.

**Analytical Notes**

All Quality Control Limit exceedances and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

**Definition of Data Qualifying Flags**

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

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

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

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

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

N - The identification is based on presumptive evidence.

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

CN - See Case Narrative.

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

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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

**Client Sample ID: 821-LFGP-9**

**Lab ID#: 2511535A-01A**

| <b>Compound</b> | <b>Rpt. Limit (ppbv)</b> | <b>Amount (ppbv)</b> | <b>Rpt. Limit (ug/m3)</b> | <b>Amount (ug/m3)</b> |
|-----------------|--------------------------|----------------------|---------------------------|-----------------------|
| Toluene         | 1.4                      | 4.4                  | 5.4                       | 17                    |

**Client Sample ID: 821-LFGP-4**

**Lab ID#: 2511535A-02A**

| <b>Compound</b> | <b>Rpt. Limit (ppbv)</b> | <b>Amount (ppbv)</b> | <b>Rpt. Limit (ug/m3)</b> | <b>Amount (ug/m3)</b> |
|-----------------|--------------------------|----------------------|---------------------------|-----------------------|
| Ethanol         | 9.6                      | 29                   | 18                        | 55                    |
| Acetone         | 9.6                      | 11                   | 23                        | 27                    |

**Client Sample ID: 821-LFGP-2**

**Lab ID#: 2511535A-03A**

| <b>Compound</b> | <b>Rpt. Limit (ppbv)</b> | <b>Amount (ppbv)</b> | <b>Rpt. Limit (ug/m3)</b> | <b>Amount (ug/m3)</b> |
|-----------------|--------------------------|----------------------|---------------------------|-----------------------|
| Ethanol         | 8.2                      | 26                   | 15                        | 49                    |
| Acetone         | 8.2                      | 9.2                  | 19                        | 22                    |

**Client Sample ID: 821-LFGP-5**

**Lab ID#: 2511535A-04A**

| <b>Compound</b>   | <b>Rpt. Limit (ppbv)</b> | <b>Amount (ppbv)</b> | <b>Rpt. Limit (ug/m3)</b> | <b>Amount (ug/m3)</b> |
|-------------------|--------------------------|----------------------|---------------------------|-----------------------|
| Tetrachloroethene | 0.77                     | 0.86                 | 5.2                       | 5.8                   |

**Client Sample ID: 821-LFGP-DUP-01**

**Lab ID#: 2511535A-05A**

| <b>Compound</b>   | <b>Rpt. Limit (ppbv)</b> | <b>Amount (ppbv)</b> | <b>Rpt. Limit (ug/m3)</b> | <b>Amount (ug/m3)</b> |
|-------------------|--------------------------|----------------------|---------------------------|-----------------------|
| Tetrachloroethene | 0.80                     | 0.83                 | 5.5                       | 5.6                   |

**Client Sample ID: 821-LFGP-1**

**Lab ID#: 2511535A-06A**

| <b>Compound</b> | <b>Rpt. Limit (ppbv)</b> | <b>Amount (ppbv)</b> | <b>Rpt. Limit (ug/m3)</b> | <b>Amount (ug/m3)</b> |
|-----------------|--------------------------|----------------------|---------------------------|-----------------------|
|-----------------|--------------------------|----------------------|---------------------------|-----------------------|

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

**Client Sample ID: 821-LFGP-1**

**Lab ID#: 2511535A-06A**

| <b>Compound</b> | <b>Rpt. Limit (ppbv)</b> | <b>Amount (ppbv)</b> | <b>Rpt. Limit (ug/m3)</b> | <b>Amount (ug/m3)</b> |
|-----------------|--------------------------|----------------------|---------------------------|-----------------------|
| Ethanol         | 8.7                      | 9.7                  | 16                        | 18                    |
| Acetone         | 8.7                      | 17                   | 21                        | 41                    |

**Client Sample ID: 821-LFGP-3**

**Lab ID#: 2511535A-07A**

| <b>Compound</b> | <b>Rpt. Limit (ppbv)</b> | <b>Amount (ppbv)</b> | <b>Rpt. Limit (ug/m3)</b> | <b>Amount (ug/m3)</b> |
|-----------------|--------------------------|----------------------|---------------------------|-----------------------|
| Ethanol         | 8.0                      | 8.0                  | 15                        | 15                    |
| Acetone         | 8.0                      | 9.7                  | 19                        | 23                    |
| Ethyl Benzene   | 0.80                     | 7.8                  | 3.4                       | 34                    |
| m,p-Xylene      | 1.6                      | 37                   | 6.9                       | 160                   |
| o-Xylene        | 0.80                     | 13                   | 3.4                       | 56                    |

**Client Sample ID: 821-LFGP-6**

**Lab ID#: 2511535A-08A**

No Detections Were Found.

**Client Sample ID: 821-LFGP-7**

**Lab ID#: 2511535A-09A**

| <b>Compound</b> | <b>Rpt. Limit (ppbv)</b> | <b>Amount (ppbv)</b> | <b>Rpt. Limit (ug/m3)</b> | <b>Amount (ug/m3)</b> |
|-----------------|--------------------------|----------------------|---------------------------|-----------------------|
| Ethanol         | 7.4                      | 26                   | 14                        | 50                    |

**Client Sample ID: 821-LFGP-8**

**Lab ID#: 2511535A-10A**

No Detections Were Found.



Air Toxics

Client Sample ID: 821-LFGP-9

Lab ID#: 2511535A-01A

EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                     |                     |
|--------------|---------|---------------------|---------------------|
| File Name:   | 3120325 | Date of Collection: | 11/13/25 12:57:00 P |
| Dil. Factor: | 1.42    | Date of Analysis:   | 12/4/25 12:44 AM    |

| Compound                         | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|----------------------------------|-------------------|---------------|--------------------|----------------|
| Freon 12                         | 0.71              | Not Detected  | 3.5                | Not Detected   |
| Freon 114                        | 0.71              | Not Detected  | 5.0                | Not Detected   |
| Chloromethane                    | 7.1               | Not Detected  | 15                 | Not Detected   |
| Vinyl Chloride                   | 0.71              | Not Detected  | 1.8                | Not Detected   |
| 1,3-Butadiene                    | 0.71              | Not Detected  | 1.6                | Not Detected   |
| Bromomethane                     | 7.1               | Not Detected  | 28                 | Not Detected   |
| Chloroethane                     | 2.8               | Not Detected  | 7.5                | Not Detected   |
| Freon 11                         | 0.71              | Not Detected  | 4.0                | Not Detected   |
| Ethanol                          | 7.1               | Not Detected  | 13                 | Not Detected   |
| Freon 113                        | 0.71              | Not Detected  | 5.4                | Not Detected   |
| 1,1-Dichloroethene               | 0.71              | Not Detected  | 2.8                | Not Detected   |
| Acetone                          | 7.1               | Not Detected  | 17                 | Not Detected   |
| 2-Propanol                       | 2.8               | Not Detected  | 7.0                | Not Detected   |
| Carbon Disulfide                 | 2.8               | Not Detected  | 8.8                | Not Detected   |
| 3-Chloropropene                  | 2.8               | Not Detected  | 8.9                | Not Detected   |
| Methylene Chloride               | 7.1               | Not Detected  | 25                 | Not Detected   |
| Methyl tert-butyl ether          | 2.8               | Not Detected  | 10                 | Not Detected   |
| trans-1,2-Dichloroethene         | 0.71              | Not Detected  | 2.8                | Not Detected   |
| Hexane                           | 0.71              | Not Detected  | 2.5                | Not Detected   |
| 1,1-Dichloroethane               | 0.71              | Not Detected  | 2.9                | Not Detected   |
| 2-Butanone (Methyl Ethyl Ketone) | 2.8               | Not Detected  | 8.4                | Not Detected   |
| cis-1,2-Dichloroethene           | 0.71              | Not Detected  | 2.8                | Not Detected   |
| Tetrahydrofuran                  | 0.71              | Not Detected  | 2.1                | Not Detected   |
| Chloroform                       | 0.71              | Not Detected  | 3.5                | Not Detected   |
| 1,1,1-Trichloroethane            | 0.71              | Not Detected  | 3.9                | Not Detected   |
| Cyclohexane                      | 0.71              | Not Detected  | 2.4                | Not Detected   |
| Carbon Tetrachloride             | 0.71              | Not Detected  | 4.5                | Not Detected   |
| 2,2,4-Trimethylpentane           | 0.71              | Not Detected  | 3.3                | Not Detected   |
| Benzene                          | 0.71              | Not Detected  | 2.3                | Not Detected   |
| 1,2-Dichloroethane               | 0.71              | Not Detected  | 2.9                | Not Detected   |
| Heptane                          | 0.71              | Not Detected  | 2.9                | Not Detected   |
| Trichloroethene                  | 0.71              | Not Detected  | 3.8                | Not Detected   |
| 1,2-Dichloropropane              | 0.71              | Not Detected  | 3.3                | Not Detected   |
| 1,4-Dioxane                      | 2.8               | Not Detected  | 10                 | Not Detected   |
| Bromodichloromethane             | 0.71              | Not Detected  | 4.8                | Not Detected   |
| cis-1,3-Dichloropropene          | 0.71              | Not Detected  | 3.2                | Not Detected   |
| 4-Methyl-2-pentanone             | 0.71              | Not Detected  | 2.9                | Not Detected   |
| Toluene                          | 1.4               | 4.4           | 5.4                | 17             |
| trans-1,3-Dichloropropene        | 0.71              | Not Detected  | 3.2                | Not Detected   |
| 1,1,2-Trichloroethane            | 0.71              | Not Detected  | 3.9                | Not Detected   |
| Tetrachloroethene                | 0.71              | Not Detected  | 4.8                | Not Detected   |
| 2-Hexanone                       | 2.8               | Not Detected  | 12                 | Not Detected   |

Client Sample ID: 821-LFGP-9

Lab ID#: 2511535A-01A

EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                     |                     |
|--------------|---------|---------------------|---------------------|
| File Name:   | 3120325 | Date of Collection: | 11/13/25 12:57:00 P |
| Dil. Factor: | 1.42    | Date of Analysis:   | 12/4/25 12:44 AM    |

| Compound                  | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---------------------------|-------------------|---------------|--------------------|----------------|
| Dibromochloromethane      | 0.71              | Not Detected  | 6.0                | Not Detected   |
| 1,2-Dibromoethane (EDB)   | 0.71              | Not Detected  | 5.4                | Not Detected   |
| Chlorobenzene             | 0.71              | Not Detected  | 3.3                | Not Detected   |
| Ethyl Benzene             | 0.71              | Not Detected  | 3.1                | Not Detected   |
| m,p-Xylene                | 1.4               | Not Detected  | 6.2                | Not Detected   |
| o-Xylene                  | 0.71              | Not Detected  | 3.1                | Not Detected   |
| Styrene                   | 0.71              | Not Detected  | 3.0                | Not Detected   |
| Bromoform                 | 0.71              | Not Detected  | 7.3                | Not Detected   |
| Cumene                    | 0.71              | Not Detected  | 3.5                | Not Detected   |
| 1,1,2,2-Tetrachloroethane | 0.71              | Not Detected  | 4.9                | Not Detected   |
| Propylbenzene             | 0.71              | Not Detected  | 3.5                | Not Detected   |
| 4-Ethyltoluene            | 0.71              | Not Detected  | 3.5                | Not Detected   |
| 1,3,5-Trimethylbenzene    | 0.71              | Not Detected  | 3.5                | Not Detected   |
| 1,2,4-Trimethylbenzene    | 0.71              | Not Detected  | 3.5                | Not Detected   |
| 1,3-Dichlorobenzene       | 0.71              | Not Detected  | 4.3                | Not Detected   |
| 1,4-Dichlorobenzene       | 0.71              | Not Detected  | 4.3                | Not Detected   |
| alpha-Chlorotoluene       | 0.71              | Not Detected  | 3.7                | Not Detected   |
| 1,2-Dichlorobenzene       | 0.71              | Not Detected  | 4.3                | Not Detected   |
| 1,2,4-Trichlorobenzene    | 2.8               | Not Detected  | 21                 | Not Detected   |
| Hexachlorobutadiene       | 2.8               | Not Detected  | 30                 | Not Detected   |
| Naphthalene               | 1.4               | Not Detected  | 7.4                | Not Detected   |

Container Type: 6 Liter Summa Canister

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| Toluene-d8            | 100       | 70-130        |
| 1,2-Dichloroethane-d4 | 105       | 70-130        |
| 4-Bromofluorobenzene  | 99        | 70-130        |



Air Toxics

Client Sample ID: 821-LFGP-4

Lab ID#: 2511535A-02A

EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                     |                     |
|--------------|---------|---------------------|---------------------|
| File Name:   | 3120326 | Date of Collection: | 11/13/25 1:45:00 PM |
| Dil. Factor: | 1.93    | Date of Analysis:   | 12/4/25 01:12 AM    |

| Compound                         | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|----------------------------------|-------------------|---------------|--------------------|----------------|
| Freon 12                         | 0.96              | Not Detected  | 4.8                | Not Detected   |
| Freon 114                        | 0.96              | Not Detected  | 6.7                | Not Detected   |
| Chloromethane                    | 9.6               | Not Detected  | 20                 | Not Detected   |
| Vinyl Chloride                   | 0.96              | Not Detected  | 2.5                | Not Detected   |
| 1,3-Butadiene                    | 0.96              | Not Detected  | 2.1                | Not Detected   |
| Bromomethane                     | 9.6               | Not Detected  | 37                 | Not Detected   |
| Chloroethane                     | 3.9               | Not Detected  | 10                 | Not Detected   |
| Freon 11                         | 0.96              | Not Detected  | 5.4                | Not Detected   |
| Ethanol                          | 9.6               | 29            | 18                 | 55             |
| Freon 113                        | 0.96              | Not Detected  | 7.4                | Not Detected   |
| 1,1-Dichloroethene               | 0.96              | Not Detected  | 3.8                | Not Detected   |
| Acetone                          | 9.6               | 11            | 23                 | 27             |
| 2-Propanol                       | 3.9               | Not Detected  | 9.5                | Not Detected   |
| Carbon Disulfide                 | 3.9               | Not Detected  | 12                 | Not Detected   |
| 3-Chloropropene                  | 3.9               | Not Detected  | 12                 | Not Detected   |
| Methylene Chloride               | 9.6               | Not Detected  | 34                 | Not Detected   |
| Methyl tert-butyl ether          | 3.9               | Not Detected  | 14                 | Not Detected   |
| trans-1,2-Dichloroethene         | 0.96              | Not Detected  | 3.8                | Not Detected   |
| Hexane                           | 0.96              | Not Detected  | 3.4                | Not Detected   |
| 1,1-Dichloroethane               | 0.96              | Not Detected  | 3.9                | Not Detected   |
| 2-Butanone (Methyl Ethyl Ketone) | 3.9               | Not Detected  | 11                 | Not Detected   |
| cis-1,2-Dichloroethene           | 0.96              | Not Detected  | 3.8                | Not Detected   |
| Tetrahydrofuran                  | 0.96              | Not Detected  | 2.8                | Not Detected   |
| Chloroform                       | 0.96              | Not Detected  | 4.7                | Not Detected   |
| 1,1,1-Trichloroethane            | 0.96              | Not Detected  | 5.3                | Not Detected   |
| Cyclohexane                      | 0.96              | Not Detected  | 3.3                | Not Detected   |
| Carbon Tetrachloride             | 0.96              | Not Detected  | 6.1                | Not Detected   |
| 2,2,4-Trimethylpentane           | 0.96              | Not Detected  | 4.5                | Not Detected   |
| Benzene                          | 0.96              | Not Detected  | 3.1                | Not Detected   |
| 1,2-Dichloroethane               | 0.96              | Not Detected  | 3.9                | Not Detected   |
| Heptane                          | 0.96              | Not Detected  | 4.0                | Not Detected   |
| Trichloroethene                  | 0.96              | Not Detected  | 5.2                | Not Detected   |
| 1,2-Dichloropropane              | 0.96              | Not Detected  | 4.4                | Not Detected   |
| 1,4-Dioxane                      | 3.9               | Not Detected  | 14                 | Not Detected   |
| Bromodichloromethane             | 0.96              | Not Detected  | 6.5                | Not Detected   |
| cis-1,3-Dichloropropene          | 0.96              | Not Detected  | 4.4                | Not Detected   |
| 4-Methyl-2-pentanone             | 0.96              | Not Detected  | 4.0                | Not Detected   |
| Toluene                          | 1.9               | Not Detected  | 7.3                | Not Detected   |
| trans-1,3-Dichloropropene        | 0.96              | Not Detected  | 4.4                | Not Detected   |
| 1,1,2-Trichloroethane            | 0.96              | Not Detected  | 5.3                | Not Detected   |
| Tetrachloroethene                | 0.96              | Not Detected  | 6.5                | Not Detected   |
| 2-Hexanone                       | 3.9               | Not Detected  | 16                 | Not Detected   |

Client Sample ID: 821-LFGP-4

Lab ID#: 2511535A-02A

EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                     |                     |
|--------------|---------|---------------------|---------------------|
| File Name:   | 3120326 | Date of Collection: | 11/13/25 1:45:00 PM |
| Dil. Factor: | 1.93    | Date of Analysis:   | 12/4/25 01:12 AM    |

| Compound                  | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---------------------------|-------------------|---------------|--------------------|----------------|
| Dibromochloromethane      | 0.96              | Not Detected  | 8.2                | Not Detected   |
| 1,2-Dibromoethane (EDB)   | 0.96              | Not Detected  | 7.4                | Not Detected   |
| Chlorobenzene             | 0.96              | Not Detected  | 4.4                | Not Detected   |
| Ethyl Benzene             | 0.96              | Not Detected  | 4.2                | Not Detected   |
| m,p-Xylene                | 1.9               | Not Detected  | 8.4                | Not Detected   |
| o-Xylene                  | 0.96              | Not Detected  | 4.2                | Not Detected   |
| Styrene                   | 0.96              | Not Detected  | 4.1                | Not Detected   |
| Bromoform                 | 0.96              | Not Detected  | 10                 | Not Detected   |
| Cumene                    | 0.96              | Not Detected  | 4.7                | Not Detected   |
| 1,1,2,2-Tetrachloroethane | 0.96              | Not Detected  | 6.6                | Not Detected   |
| Propylbenzene             | 0.96              | Not Detected  | 4.7                | Not Detected   |
| 4-Ethyltoluene            | 0.96              | Not Detected  | 4.7                | Not Detected   |
| 1,3,5-Trimethylbenzene    | 0.96              | Not Detected  | 4.7                | Not Detected   |
| 1,2,4-Trimethylbenzene    | 0.96              | Not Detected  | 4.7                | Not Detected   |
| 1,3-Dichlorobenzene       | 0.96              | Not Detected  | 5.8                | Not Detected   |
| 1,4-Dichlorobenzene       | 0.96              | Not Detected  | 5.8                | Not Detected   |
| alpha-Chlorotoluene       | 0.96              | Not Detected  | 5.0                | Not Detected   |
| 1,2-Dichlorobenzene       | 0.96              | Not Detected  | 5.8                | Not Detected   |
| 1,2,4-Trichlorobenzene    | 3.9               | Not Detected  | 29                 | Not Detected   |
| Hexachlorobutadiene       | 3.9               | Not Detected  | 41                 | Not Detected   |
| Naphthalene               | 1.9               | Not Detected  | 10                 | Not Detected   |

Container Type: 6 Liter Summa Canister

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| Toluene-d8            | 101       | 70-130        |
| 1,2-Dichloroethane-d4 | 106       | 70-130        |
| 4-Bromofluorobenzene  | 99        | 70-130        |



Air Toxics

Client Sample ID: 821-LFGP-2

Lab ID#: 2511535A-03A

EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                     |                     |
|--------------|---------|---------------------|---------------------|
| File Name:   | 3120327 | Date of Collection: | 11/13/25 1:57:00 PM |
| Dil. Factor: | 1.63    | Date of Analysis:   | 12/4/25 01:41 AM    |

| Compound                         | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|----------------------------------|-------------------|---------------|--------------------|----------------|
| Freon 12                         | 0.82              | Not Detected  | 4.0                | Not Detected   |
| Freon 114                        | 0.82              | Not Detected  | 5.7                | Not Detected   |
| Chloromethane                    | 8.2               | Not Detected  | 17                 | Not Detected   |
| Vinyl Chloride                   | 0.82              | Not Detected  | 2.1                | Not Detected   |
| 1,3-Butadiene                    | 0.82              | Not Detected  | 1.8                | Not Detected   |
| Bromomethane                     | 8.2               | Not Detected  | 32                 | Not Detected   |
| Chloroethane                     | 3.3               | Not Detected  | 8.6                | Not Detected   |
| Freon 11                         | 0.82              | Not Detected  | 4.6                | Not Detected   |
| Ethanol                          | 8.2               | 26            | 15                 | 49             |
| Freon 113                        | 0.82              | Not Detected  | 6.2                | Not Detected   |
| 1,1-Dichloroethene               | 0.82              | Not Detected  | 3.2                | Not Detected   |
| Acetone                          | 8.2               | 9.2           | 19                 | 22             |
| 2-Propanol                       | 3.3               | Not Detected  | 8.0                | Not Detected   |
| Carbon Disulfide                 | 3.3               | Not Detected  | 10                 | Not Detected   |
| 3-Chloropropene                  | 3.3               | Not Detected  | 10                 | Not Detected   |
| Methylene Chloride               | 8.2               | Not Detected  | 28                 | Not Detected   |
| Methyl tert-butyl ether          | 3.3               | Not Detected  | 12                 | Not Detected   |
| trans-1,2-Dichloroethene         | 0.82              | Not Detected  | 3.2                | Not Detected   |
| Hexane                           | 0.82              | Not Detected  | 2.9                | Not Detected   |
| 1,1-Dichloroethane               | 0.82              | Not Detected  | 3.3                | Not Detected   |
| 2-Butanone (Methyl Ethyl Ketone) | 3.3               | Not Detected  | 9.6                | Not Detected   |
| cis-1,2-Dichloroethene           | 0.82              | Not Detected  | 3.2                | Not Detected   |
| Tetrahydrofuran                  | 0.82              | Not Detected  | 2.4                | Not Detected   |
| Chloroform                       | 0.82              | Not Detected  | 4.0                | Not Detected   |
| 1,1,1-Trichloroethane            | 0.82              | Not Detected  | 4.4                | Not Detected   |
| Cyclohexane                      | 0.82              | Not Detected  | 2.8                | Not Detected   |
| Carbon Tetrachloride             | 0.82              | Not Detected  | 5.1                | Not Detected   |
| 2,2,4-Trimethylpentane           | 0.82              | Not Detected  | 3.8                | Not Detected   |
| Benzene                          | 0.82              | Not Detected  | 2.6                | Not Detected   |
| 1,2-Dichloroethane               | 0.82              | Not Detected  | 3.3                | Not Detected   |
| Heptane                          | 0.82              | Not Detected  | 3.3                | Not Detected   |
| Trichloroethene                  | 0.82              | Not Detected  | 4.4                | Not Detected   |
| 1,2-Dichloropropane              | 0.82              | Not Detected  | 3.8                | Not Detected   |
| 1,4-Dioxane                      | 3.3               | Not Detected  | 12                 | Not Detected   |
| Bromodichloromethane             | 0.82              | Not Detected  | 5.5                | Not Detected   |
| cis-1,3-Dichloropropene          | 0.82              | Not Detected  | 3.7                | Not Detected   |
| 4-Methyl-2-pentanone             | 0.82              | Not Detected  | 3.3                | Not Detected   |
| Toluene                          | 1.6               | Not Detected  | 6.1                | Not Detected   |
| trans-1,3-Dichloropropene        | 0.82              | Not Detected  | 3.7                | Not Detected   |
| 1,1,2-Trichloroethane            | 0.82              | Not Detected  | 4.4                | Not Detected   |
| Tetrachloroethene                | 0.82              | Not Detected  | 5.5                | Not Detected   |
| 2-Hexanone                       | 3.3               | Not Detected  | 13                 | Not Detected   |

Client Sample ID: 821-LFGP-2

Lab ID#: 2511535A-03A

EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                     |                     |
|--------------|---------|---------------------|---------------------|
| File Name:   | 3120327 | Date of Collection: | 11/13/25 1:57:00 PM |
| Dil. Factor: | 1.63    | Date of Analysis:   | 12/4/25 01:41 AM    |

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

Container Type: 6 Liter Summa Canister

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



Air Toxics

Client Sample ID: 821-LFGP-5

Lab ID#: 2511535A-04A

EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                     |                     |
|--------------|---------|---------------------|---------------------|
| File Name:   | 3120328 | Date of Collection: | 11/13/25 12:02:00 P |
| Dil. Factor: | 1.54    | Date of Analysis:   | 12/4/25 02:09 AM    |

| Compound                         | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|----------------------------------|-------------------|---------------|--------------------|----------------|
| Freon 12                         | 0.77              | Not Detected  | 3.8                | Not Detected   |
| Freon 114                        | 0.77              | Not Detected  | 5.4                | Not Detected   |
| Chloromethane                    | 7.7               | Not Detected  | 16                 | Not Detected   |
| Vinyl Chloride                   | 0.77              | Not Detected  | 2.0                | Not Detected   |
| 1,3-Butadiene                    | 0.77              | Not Detected  | 1.7                | Not Detected   |
| Bromomethane                     | 7.7               | Not Detected  | 30                 | Not Detected   |
| Chloroethane                     | 3.1               | Not Detected  | 8.1                | Not Detected   |
| Freon 11                         | 0.77              | Not Detected  | 4.3                | Not Detected   |
| Ethanol                          | 7.7               | Not Detected  | 14                 | Not Detected   |
| Freon 113                        | 0.77              | Not Detected  | 5.9                | Not Detected   |
| 1,1-Dichloroethene               | 0.77              | Not Detected  | 3.0                | Not Detected   |
| Acetone                          | 7.7               | Not Detected  | 18                 | Not Detected   |
| 2-Propanol                       | 3.1               | Not Detected  | 7.6                | Not Detected   |
| Carbon Disulfide                 | 3.1               | Not Detected  | 9.6                | Not Detected   |
| 3-Chloropropene                  | 3.1               | Not Detected  | 9.6                | Not Detected   |
| Methylene Chloride               | 7.7               | Not Detected  | 27                 | Not Detected   |
| Methyl tert-butyl ether          | 3.1               | Not Detected  | 11                 | Not Detected   |
| trans-1,2-Dichloroethene         | 0.77              | Not Detected  | 3.0                | Not Detected   |
| Hexane                           | 0.77              | Not Detected  | 2.7                | Not Detected   |
| 1,1-Dichloroethane               | 0.77              | Not Detected  | 3.1                | Not Detected   |
| 2-Butanone (Methyl Ethyl Ketone) | 3.1               | Not Detected  | 9.1                | Not Detected   |
| cis-1,2-Dichloroethene           | 0.77              | Not Detected  | 3.0                | Not Detected   |
| Tetrahydrofuran                  | 0.77              | Not Detected  | 2.3                | Not Detected   |
| Chloroform                       | 0.77              | Not Detected  | 3.8                | Not Detected   |
| 1,1,1-Trichloroethane            | 0.77              | Not Detected  | 4.2                | Not Detected   |
| Cyclohexane                      | 0.77              | Not Detected  | 2.6                | Not Detected   |
| Carbon Tetrachloride             | 0.77              | Not Detected  | 4.8                | Not Detected   |
| 2,2,4-Trimethylpentane           | 0.77              | Not Detected  | 3.6                | Not Detected   |
| Benzene                          | 0.77              | Not Detected  | 2.4                | Not Detected   |
| 1,2-Dichloroethane               | 0.77              | Not Detected  | 3.1                | Not Detected   |
| Heptane                          | 0.77              | Not Detected  | 3.2                | Not Detected   |
| Trichloroethene                  | 0.77              | Not Detected  | 4.1                | Not Detected   |
| 1,2-Dichloropropane              | 0.77              | Not Detected  | 3.6                | Not Detected   |
| 1,4-Dioxane                      | 3.1               | Not Detected  | 11                 | Not Detected   |
| Bromodichloromethane             | 0.77              | Not Detected  | 5.2                | Not Detected   |
| cis-1,3-Dichloropropene          | 0.77              | Not Detected  | 3.5                | Not Detected   |
| 4-Methyl-2-pentanone             | 0.77              | Not Detected  | 3.2                | Not Detected   |
| Toluene                          | 1.5               | Not Detected  | 5.8                | Not Detected   |
| trans-1,3-Dichloropropene        | 0.77              | Not Detected  | 3.5                | Not Detected   |
| 1,1,2-Trichloroethane            | 0.77              | Not Detected  | 4.2                | Not Detected   |
| Tetrachloroethene                | 0.77              | 0.86          | 5.2                | 5.8            |
| 2-Hexanone                       | 3.1               | Not Detected  | 13                 | Not Detected   |

Client Sample ID: 821-LFGP-5

Lab ID#: 2511535A-04A

EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                     |                     |
|--------------|---------|---------------------|---------------------|
| File Name:   | 3120328 | Date of Collection: | 11/13/25 12:02:00 P |
| Dil. Factor: | 1.54    | Date of Analysis:   | 12/4/25 02:09 AM    |

| Compound                  | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---------------------------|-------------------|---------------|--------------------|----------------|
| Dibromochloromethane      | 0.77              | Not Detected  | 6.6                | Not Detected   |
| 1,2-Dibromoethane (EDB)   | 0.77              | Not Detected  | 5.9                | Not Detected   |
| Chlorobenzene             | 0.77              | Not Detected  | 3.5                | Not Detected   |
| Ethyl Benzene             | 0.77              | Not Detected  | 3.3                | Not Detected   |
| m,p-Xylene                | 1.5               | Not Detected  | 6.7                | Not Detected   |
| o-Xylene                  | 0.77              | Not Detected  | 3.3                | Not Detected   |
| Styrene                   | 0.77              | Not Detected  | 3.3                | Not Detected   |
| Bromoform                 | 0.77              | Not Detected  | 8.0                | Not Detected   |
| Cumene                    | 0.77              | Not Detected  | 3.8                | Not Detected   |
| 1,1,2,2-Tetrachloroethane | 0.77              | Not Detected  | 5.3                | Not Detected   |
| Propylbenzene             | 0.77              | Not Detected  | 3.8                | Not Detected   |
| 4-Ethyltoluene            | 0.77              | Not Detected  | 3.8                | Not Detected   |
| 1,3,5-Trimethylbenzene    | 0.77              | Not Detected  | 3.8                | Not Detected   |
| 1,2,4-Trimethylbenzene    | 0.77              | Not Detected  | 3.8                | Not Detected   |
| 1,3-Dichlorobenzene       | 0.77              | Not Detected  | 4.6                | Not Detected   |
| 1,4-Dichlorobenzene       | 0.77              | Not Detected  | 4.6                | Not Detected   |
| alpha-Chlorotoluene       | 0.77              | Not Detected  | 4.0                | Not Detected   |
| 1,2-Dichlorobenzene       | 0.77              | Not Detected  | 4.6                | Not Detected   |
| 1,2,4-Trichlorobenzene    | 3.1               | Not Detected  | 23                 | Not Detected   |
| Hexachlorobutadiene       | 3.1               | Not Detected  | 33                 | Not Detected   |
| Naphthalene               | 1.5               | Not Detected  | 8.1                | Not Detected   |

Container Type: 6 Liter Summa Canister

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| Toluene-d8            | 100       | 70-130        |
| 1,2-Dichloroethane-d4 | 105       | 70-130        |
| 4-Bromofluorobenzene  | 98        | 70-130        |



Air Toxics

Client Sample ID: 821-LFGP-DUP-01

Lab ID#: 2511535A-05A

EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                     |                     |
|--------------|---------|---------------------|---------------------|
| File Name:   | 3120330 | Date of Collection: | 11/13/25 12:02:00 P |
| Dil. Factor: | 1.61    | Date of Analysis:   | 12/4/25 03:05 AM    |

| Compound                         | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|----------------------------------|-------------------|---------------|--------------------|----------------|
| Freon 12                         | 0.80              | Not Detected  | 4.0                | Not Detected   |
| Freon 114                        | 0.80              | Not Detected  | 5.6                | Not Detected   |
| Chloromethane                    | 8.0               | Not Detected  | 17                 | Not Detected   |
| Vinyl Chloride                   | 0.80              | Not Detected  | 2.0                | Not Detected   |
| 1,3-Butadiene                    | 0.80              | Not Detected  | 1.8                | Not Detected   |
| Bromomethane                     | 8.0               | Not Detected  | 31                 | Not Detected   |
| Chloroethane                     | 3.2               | Not Detected  | 8.5                | Not Detected   |
| Freon 11                         | 0.80              | Not Detected  | 4.5                | Not Detected   |
| Ethanol                          | 8.0               | Not Detected  | 15                 | Not Detected   |
| Freon 113                        | 0.80              | Not Detected  | 6.2                | Not Detected   |
| 1,1-Dichloroethene               | 0.80              | Not Detected  | 3.2                | Not Detected   |
| Acetone                          | 8.0               | Not Detected  | 19                 | Not Detected   |
| 2-Propanol                       | 3.2               | Not Detected  | 7.9                | Not Detected   |
| Carbon Disulfide                 | 3.2               | Not Detected  | 10                 | Not Detected   |
| 3-Chloropropene                  | 3.2               | Not Detected  | 10                 | Not Detected   |
| Methylene Chloride               | 8.0               | Not Detected  | 28                 | Not Detected   |
| Methyl tert-butyl ether          | 3.2               | Not Detected  | 12                 | Not Detected   |
| trans-1,2-Dichloroethene         | 0.80              | Not Detected  | 3.2                | Not Detected   |
| Hexane                           | 0.80              | Not Detected  | 2.8                | Not Detected   |
| 1,1-Dichloroethane               | 0.80              | Not Detected  | 3.2                | Not Detected   |
| 2-Butanone (Methyl Ethyl Ketone) | 3.2               | Not Detected  | 9.5                | Not Detected   |
| cis-1,2-Dichloroethene           | 0.80              | Not Detected  | 3.2                | Not Detected   |
| Tetrahydrofuran                  | 0.80              | Not Detected  | 2.4                | Not Detected   |
| Chloroform                       | 0.80              | Not Detected  | 3.9                | Not Detected   |
| 1,1,1-Trichloroethane            | 0.80              | Not Detected  | 4.4                | Not Detected   |
| Cyclohexane                      | 0.80              | Not Detected  | 2.8                | Not Detected   |
| Carbon Tetrachloride             | 0.80              | Not Detected  | 5.1                | Not Detected   |
| 2,2,4-Trimethylpentane           | 0.80              | Not Detected  | 3.8                | Not Detected   |
| Benzene                          | 0.80              | Not Detected  | 2.6                | Not Detected   |
| 1,2-Dichloroethane               | 0.80              | Not Detected  | 3.2                | Not Detected   |
| Heptane                          | 0.80              | Not Detected  | 3.3                | Not Detected   |
| Trichloroethene                  | 0.80              | Not Detected  | 4.3                | Not Detected   |
| 1,2-Dichloropropane              | 0.80              | Not Detected  | 3.7                | Not Detected   |
| 1,4-Dioxane                      | 3.2               | Not Detected  | 12                 | Not Detected   |
| Bromodichloromethane             | 0.80              | Not Detected  | 5.4                | Not Detected   |
| cis-1,3-Dichloropropene          | 0.80              | Not Detected  | 3.6                | Not Detected   |
| 4-Methyl-2-pentanone             | 0.80              | Not Detected  | 3.3                | Not Detected   |
| Toluene                          | 1.6               | Not Detected  | 6.1                | Not Detected   |
| trans-1,3-Dichloropropene        | 0.80              | Not Detected  | 3.6                | Not Detected   |
| 1,1,2-Trichloroethane            | 0.80              | Not Detected  | 4.4                | Not Detected   |
| Tetrachloroethene                | 0.80              | 0.83          | 5.5                | 5.6            |
| 2-Hexanone                       | 3.2               | Not Detected  | 13                 | Not Detected   |

Client Sample ID: 821-LFGP-DUP-01

Lab ID#: 2511535A-05A

EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |   |
|--------------|---------|---|
| File Name:   | 3120330 | Date of Collection: 11/13/25 12:02:00 P |
| Dil. Factor: | 1.61    | Date of Analysis: 12/4/25 03:05 AM      |

| Compound                  | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---------------------------|-------------------|---------------|--------------------|----------------|
| Dibromochloromethane      | 0.80              | Not Detected  | 6.8                | Not Detected   |
| 1,2-Dibromoethane (EDB)   | 0.80              | Not Detected  | 6.2                | Not Detected   |
| Chlorobenzene             | 0.80              | Not Detected  | 3.7                | Not Detected   |
| Ethyl Benzene             | 0.80              | Not Detected  | 3.5                | Not Detected   |
| m,p-Xylene                | 1.6               | Not Detected  | 7.0                | Not Detected   |
| o-Xylene                  | 0.80              | Not Detected  | 3.5                | Not Detected   |
| Styrene                   | 0.80              | Not Detected  | 3.4                | Not Detected   |
| Bromoform                 | 0.80              | Not Detected  | 8.3                | Not Detected   |
| Cumene                    | 0.80              | Not Detected  | 4.0                | Not Detected   |
| 1,1,2,2-Tetrachloroethane | 0.80              | Not Detected  | 5.5                | Not Detected   |
| Propylbenzene             | 0.80              | Not Detected  | 4.0                | Not Detected   |
| 4-Ethyltoluene            | 0.80              | Not Detected  | 4.0                | Not Detected   |
| 1,3,5-Trimethylbenzene    | 0.80              | Not Detected  | 4.0                | Not Detected   |
| 1,2,4-Trimethylbenzene    | 0.80              | Not Detected  | 4.0                | Not Detected   |
| 1,3-Dichlorobenzene       | 0.80              | Not Detected  | 4.8                | Not Detected   |
| 1,4-Dichlorobenzene       | 0.80              | Not Detected  | 4.8                | Not Detected   |
| alpha-Chlorotoluene       | 0.80              | Not Detected  | 4.2                | Not Detected   |
| 1,2-Dichlorobenzene       | 0.80              | Not Detected  | 4.8                | Not Detected   |
| 1,2,4-Trichlorobenzene    | 3.2               | Not Detected  | 24                 | Not Detected   |
| Hexachlorobutadiene       | 3.2               | Not Detected  | 34                 | Not Detected   |
| Naphthalene               | 1.6               | Not Detected  | 8.4                | Not Detected   |

Container Type: 6 Liter Summa Canister

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| Toluene-d8            | 101       | 70-130        |
| 1,2-Dichloroethane-d4 | 104       | 70-130        |
| 4-Bromofluorobenzene  | 99        | 70-130        |



Air Toxics

Client Sample ID: 821-LFGP-1

Lab ID#: 2511535A-06A

EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                     |                     |
|--------------|---------|---------------------|---------------------|
| File Name:   | 3120331 | Date of Collection: | 11/13/25 12:06:00 P |
| Dil. Factor: | 1.74    | Date of Analysis:   | 12/4/25 03:33 AM    |

| Compound                         | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|----------------------------------|-------------------|---------------|--------------------|----------------|
| Freon 12                         | 0.87              | Not Detected  | 4.3                | Not Detected   |
| Freon 114                        | 0.87              | Not Detected  | 6.1                | Not Detected   |
| Chloromethane                    | 8.7               | Not Detected  | 18                 | Not Detected   |
| Vinyl Chloride                   | 0.87              | Not Detected  | 2.2                | Not Detected   |
| 1,3-Butadiene                    | 0.87              | Not Detected  | 1.9                | Not Detected   |
| Bromomethane                     | 8.7               | Not Detected  | 34                 | Not Detected   |
| Chloroethane                     | 3.5               | Not Detected  | 9.2                | Not Detected   |
| Freon 11                         | 0.87              | Not Detected  | 4.9                | Not Detected   |
| Ethanol                          | 8.7               | 9.7           | 16                 | 18             |
| Freon 113                        | 0.87              | Not Detected  | 6.7                | Not Detected   |
| 1,1-Dichloroethene               | 0.87              | Not Detected  | 3.4                | Not Detected   |
| Acetone                          | 8.7               | 17            | 21                 | 41             |
| 2-Propanol                       | 3.5               | Not Detected  | 8.6                | Not Detected   |
| Carbon Disulfide                 | 3.5               | Not Detected  | 11                 | Not Detected   |
| 3-Chloropropene                  | 3.5               | Not Detected  | 11                 | Not Detected   |
| Methylene Chloride               | 8.7               | Not Detected  | 30                 | Not Detected   |
| Methyl tert-butyl ether          | 3.5               | Not Detected  | 12                 | Not Detected   |
| trans-1,2-Dichloroethene         | 0.87              | Not Detected  | 3.4                | Not Detected   |
| Hexane                           | 0.87              | Not Detected  | 3.1                | Not Detected   |
| 1,1-Dichloroethane               | 0.87              | Not Detected  | 3.5                | Not Detected   |
| 2-Butanone (Methyl Ethyl Ketone) | 3.5               | Not Detected  | 10                 | Not Detected   |
| cis-1,2-Dichloroethene           | 0.87              | Not Detected  | 3.4                | Not Detected   |
| Tetrahydrofuran                  | 0.87              | Not Detected  | 2.6                | Not Detected   |
| Chloroform                       | 0.87              | Not Detected  | 4.2                | Not Detected   |
| 1,1,1-Trichloroethane            | 0.87              | Not Detected  | 4.7                | Not Detected   |
| Cyclohexane                      | 0.87              | Not Detected  | 3.0                | Not Detected   |
| Carbon Tetrachloride             | 0.87              | Not Detected  | 5.5                | Not Detected   |
| 2,2,4-Trimethylpentane           | 0.87              | Not Detected  | 4.1                | Not Detected   |
| Benzene                          | 0.87              | Not Detected  | 2.8                | Not Detected   |
| 1,2-Dichloroethane               | 0.87              | Not Detected  | 3.5                | Not Detected   |
| Heptane                          | 0.87              | Not Detected  | 3.6                | Not Detected   |
| Trichloroethene                  | 0.87              | Not Detected  | 4.7                | Not Detected   |
| 1,2-Dichloropropane              | 0.87              | Not Detected  | 4.0                | Not Detected   |
| 1,4-Dioxane                      | 3.5               | Not Detected  | 12                 | Not Detected   |
| Bromodichloromethane             | 0.87              | Not Detected  | 5.8                | Not Detected   |
| cis-1,3-Dichloropropene          | 0.87              | Not Detected  | 3.9                | Not Detected   |
| 4-Methyl-2-pentanone             | 0.87              | Not Detected  | 3.6                | Not Detected   |
| Toluene                          | 1.7               | Not Detected  | 6.6                | Not Detected   |
| trans-1,3-Dichloropropene        | 0.87              | Not Detected  | 3.9                | Not Detected   |
| 1,1,2-Trichloroethane            | 0.87              | Not Detected  | 4.7                | Not Detected   |
| Tetrachloroethene                | 0.87              | Not Detected  | 5.9                | Not Detected   |
| 2-Hexanone                       | 3.5               | Not Detected  | 14                 | Not Detected   |

Client Sample ID: 821-LFGP-1

Lab ID#: 2511535A-06A

EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |   |
|--------------|---------|---|
| File Name:   | 3120331 | Date of Collection: 11/13/25 12:06:00 P |
| Dil. Factor: | 1.74    | Date of Analysis: 12/4/25 03:33 AM      |

| Compound                  | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---------------------------|-------------------|---------------|--------------------|----------------|
| Dibromochloromethane      | 0.87              | Not Detected  | 7.4                | Not Detected   |
| 1,2-Dibromoethane (EDB)   | 0.87              | Not Detected  | 6.7                | Not Detected   |
| Chlorobenzene             | 0.87              | Not Detected  | 4.0                | Not Detected   |
| Ethyl Benzene             | 0.87              | Not Detected  | 3.8                | Not Detected   |
| m,p-Xylene                | 1.7               | Not Detected  | 7.6                | Not Detected   |
| o-Xylene                  | 0.87              | Not Detected  | 3.8                | Not Detected   |
| Styrene                   | 0.87              | Not Detected  | 3.7                | Not Detected   |
| Bromoform                 | 0.87              | Not Detected  | 9.0                | Not Detected   |
| Cumene                    | 0.87              | Not Detected  | 4.3                | Not Detected   |
| 1,1,2,2-Tetrachloroethane | 0.87              | Not Detected  | 6.0                | Not Detected   |
| Propylbenzene             | 0.87              | Not Detected  | 4.3                | Not Detected   |
| 4-Ethyltoluene            | 0.87              | Not Detected  | 4.3                | Not Detected   |
| 1,3,5-Trimethylbenzene    | 0.87              | Not Detected  | 4.3                | Not Detected   |
| 1,2,4-Trimethylbenzene    | 0.87              | Not Detected  | 4.3                | Not Detected   |
| 1,3-Dichlorobenzene       | 0.87              | Not Detected  | 5.2                | Not Detected   |
| 1,4-Dichlorobenzene       | 0.87              | Not Detected  | 5.2                | Not Detected   |
| alpha-Chlorotoluene       | 0.87              | Not Detected  | 4.5                | Not Detected   |
| 1,2-Dichlorobenzene       | 0.87              | Not Detected  | 5.2                | Not Detected   |
| 1,2,4-Trichlorobenzene    | 3.5               | Not Detected  | 26                 | Not Detected   |
| Hexachlorobutadiene       | 3.5               | Not Detected  | 37                 | Not Detected   |
| Naphthalene               | 1.7               | Not Detected  | 9.1                | Not Detected   |

Container Type: 6 Liter Summa Canister

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| Toluene-d8            | 100       | 70-130        |
| 1,2-Dichloroethane-d4 | 106       | 70-130        |
| 4-Bromofluorobenzene  | 98        | 70-130        |



Air Toxics

Client Sample ID: 821-LFGP-3

Lab ID#: 2511535A-07A

EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                     |                     |
|--------------|---------|---------------------|---------------------|
| File Name:   | 3120329 | Date of Collection: | 11/14/25 11:05:00 A |
| Dil. Factor: | 1.59    | Date of Analysis:   | 12/4/25 02:37 AM    |

| Compound                         | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|----------------------------------|-------------------|---------------|--------------------|----------------|
| Freon 12                         | 0.80              | Not Detected  | 3.9                | Not Detected   |
| Freon 114                        | 0.80              | Not Detected  | 5.6                | Not Detected   |
| Chloromethane                    | 8.0               | Not Detected  | 16                 | Not Detected   |
| Vinyl Chloride                   | 0.80              | Not Detected  | 2.0                | Not Detected   |
| 1,3-Butadiene                    | 0.80              | Not Detected  | 1.8                | Not Detected   |
| Bromomethane                     | 8.0               | Not Detected  | 31                 | Not Detected   |
| Chloroethane                     | 3.2               | Not Detected  | 8.4                | Not Detected   |
| Freon 11                         | 0.80              | Not Detected  | 4.5                | Not Detected   |
| Ethanol                          | 8.0               | 8.0           | 15                 | 15             |
| Freon 113                        | 0.80              | Not Detected  | 6.1                | Not Detected   |
| 1,1-Dichloroethene               | 0.80              | Not Detected  | 3.2                | Not Detected   |
| Acetone                          | 8.0               | 9.7           | 19                 | 23             |
| 2-Propanol                       | 3.2               | Not Detected  | 7.8                | Not Detected   |
| Carbon Disulfide                 | 3.2               | Not Detected  | 9.9                | Not Detected   |
| 3-Chloropropene                  | 3.2               | Not Detected  | 10                 | Not Detected   |
| Methylene Chloride               | 8.0               | Not Detected  | 28                 | Not Detected   |
| Methyl tert-butyl ether          | 3.2               | Not Detected  | 11                 | Not Detected   |
| trans-1,2-Dichloroethene         | 0.80              | Not Detected  | 3.2                | Not Detected   |
| Hexane                           | 0.80              | Not Detected  | 2.8                | Not Detected   |
| 1,1-Dichloroethane               | 0.80              | Not Detected  | 3.2                | Not Detected   |
| 2-Butanone (Methyl Ethyl Ketone) | 3.2               | Not Detected  | 9.4                | Not Detected   |
| cis-1,2-Dichloroethene           | 0.80              | Not Detected  | 3.2                | Not Detected   |
| Tetrahydrofuran                  | 0.80              | Not Detected  | 2.3                | Not Detected   |
| Chloroform                       | 0.80              | Not Detected  | 3.9                | Not Detected   |
| 1,1,1-Trichloroethane            | 0.80              | Not Detected  | 4.3                | Not Detected   |
| Cyclohexane                      | 0.80              | Not Detected  | 2.7                | Not Detected   |
| Carbon Tetrachloride             | 0.80              | Not Detected  | 5.0                | Not Detected   |
| 2,2,4-Trimethylpentane           | 0.80              | Not Detected  | 3.7                | Not Detected   |
| Benzene                          | 0.80              | Not Detected  | 2.5                | Not Detected   |
| 1,2-Dichloroethane               | 0.80              | Not Detected  | 3.2                | Not Detected   |
| Heptane                          | 0.80              | Not Detected  | 3.2                | Not Detected   |
| Trichloroethene                  | 0.80              | Not Detected  | 4.3                | Not Detected   |
| 1,2-Dichloropropane              | 0.80              | Not Detected  | 3.7                | Not Detected   |
| 1,4-Dioxane                      | 3.2               | Not Detected  | 11                 | Not Detected   |
| Bromodichloromethane             | 0.80              | Not Detected  | 5.3                | Not Detected   |
| cis-1,3-Dichloropropene          | 0.80              | Not Detected  | 3.6                | Not Detected   |
| 4-Methyl-2-pentanone             | 0.80              | Not Detected  | 3.2                | Not Detected   |
| Toluene                          | 1.6               | Not Detected  | 6.0                | Not Detected   |
| trans-1,3-Dichloropropene        | 0.80              | Not Detected  | 3.6                | Not Detected   |
| 1,1,2-Trichloroethane            | 0.80              | Not Detected  | 4.3                | Not Detected   |
| Tetrachloroethene                | 0.80              | Not Detected  | 5.4                | Not Detected   |
| 2-Hexanone                       | 3.2               | Not Detected  | 13                 | Not Detected   |

Client Sample ID: 821-LFGP-3

Lab ID#: 2511535A-07A

EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |   |
|--------------|---------|---|
| File Name:   | 3120329 | Date of Collection: 11/14/25 11:05:00 A |
| Dil. Factor: | 1.59    | Date of Analysis: 12/4/25 02:37 AM      |

| Compound                  | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---------------------------|-------------------|---------------|--------------------|----------------|
| Dibromochloromethane      | 0.80              | Not Detected  | 6.8                | Not Detected   |
| 1,2-Dibromoethane (EDB)   | 0.80              | Not Detected  | 6.1                | Not Detected   |
| Chlorobenzene             | 0.80              | Not Detected  | 3.6                | Not Detected   |
| Ethyl Benzene             | 0.80              | 7.8           | 3.4                | 34             |
| m,p-Xylene                | 1.6               | 37            | 6.9                | 160            |
| o-Xylene                  | 0.80              | 13            | 3.4                | 56             |
| Styrene                   | 0.80              | Not Detected  | 3.4                | Not Detected   |
| Bromoform                 | 0.80              | Not Detected  | 8.2                | Not Detected   |
| Cumene                    | 0.80              | Not Detected  | 3.9                | Not Detected   |
| 1,1,2,2-Tetrachloroethane | 0.80              | Not Detected  | 5.4                | Not Detected   |
| Propylbenzene             | 0.80              | Not Detected  | 3.9                | Not Detected   |
| 4-Ethyltoluene            | 0.80              | Not Detected  | 3.9                | Not Detected   |
| 1,3,5-Trimethylbenzene    | 0.80              | Not Detected  | 3.9                | Not Detected   |
| 1,2,4-Trimethylbenzene    | 0.80              | Not Detected  | 3.9                | Not Detected   |
| 1,3-Dichlorobenzene       | 0.80              | Not Detected  | 4.8                | Not Detected   |
| 1,4-Dichlorobenzene       | 0.80              | Not Detected  | 4.8                | Not Detected   |
| alpha-Chlorotoluene       | 0.80              | Not Detected  | 4.1                | Not Detected   |
| 1,2-Dichlorobenzene       | 0.80              | Not Detected  | 4.8                | Not Detected   |
| 1,2,4-Trichlorobenzene    | 3.2               | Not Detected  | 24                 | Not Detected   |
| Hexachlorobutadiene       | 3.2               | Not Detected  | 34                 | Not Detected   |
| Naphthalene               | 1.6               | Not Detected  | 8.3                | Not Detected   |

Container Type: 6 Liter Summa Canister

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| Toluene-d8            | 100       | 70-130        |
| 1,2-Dichloroethane-d4 | 103       | 70-130        |
| 4-Bromofluorobenzene  | 100       | 70-130        |



Air Toxics

Client Sample ID: 821-LFGP-6

Lab ID#: 2511535A-08A

EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                     |                     |
|--------------|---------|---------------------|---------------------|
| File Name:   | 3120422 | Date of Collection: | 11/14/25 10:57:00 A |
| Dil. Factor: | 1.58    | Date of Analysis:   | 12/4/25 11:33 PM    |

| Compound                         | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|----------------------------------|-------------------|---------------|--------------------|----------------|
| Freon 12                         | 0.79              | Not Detected  | 3.9                | Not Detected   |
| Freon 114                        | 0.79              | Not Detected  | 5.5                | Not Detected   |
| Chloromethane                    | 7.9               | Not Detected  | 16                 | Not Detected   |
| Vinyl Chloride                   | 0.79              | Not Detected  | 2.0                | Not Detected   |
| 1,3-Butadiene                    | 0.79              | Not Detected  | 1.7                | Not Detected   |
| Bromomethane                     | 7.9               | Not Detected  | 31                 | Not Detected   |
| Chloroethane                     | 3.2               | Not Detected  | 8.3                | Not Detected   |
| Freon 11                         | 0.79              | Not Detected  | 4.4                | Not Detected   |
| Ethanol                          | 7.9               | Not Detected  | 15                 | Not Detected   |
| Freon 113                        | 0.79              | Not Detected  | 6.0                | Not Detected   |
| 1,1-Dichloroethene               | 0.79              | Not Detected  | 3.1                | Not Detected   |
| Acetone                          | 7.9               | Not Detected  | 19                 | Not Detected   |
| 2-Propanol                       | 3.2               | Not Detected  | 7.8                | Not Detected   |
| Carbon Disulfide                 | 3.2               | Not Detected  | 9.8                | Not Detected   |
| 3-Chloropropene                  | 3.2               | Not Detected  | 9.9                | Not Detected   |
| Methylene Chloride               | 7.9               | Not Detected  | 27                 | Not Detected   |
| Methyl tert-butyl ether          | 3.2               | Not Detected  | 11                 | Not Detected   |
| trans-1,2-Dichloroethene         | 0.79              | Not Detected  | 3.1                | Not Detected   |
| Hexane                           | 0.79              | Not Detected  | 2.8                | Not Detected   |
| 1,1-Dichloroethane               | 0.79              | Not Detected  | 3.2                | Not Detected   |
| 2-Butanone (Methyl Ethyl Ketone) | 3.2               | Not Detected  | 9.3                | Not Detected   |
| cis-1,2-Dichloroethene           | 0.79              | Not Detected  | 3.1                | Not Detected   |
| Tetrahydrofuran                  | 0.79              | Not Detected  | 2.3                | Not Detected   |
| Chloroform                       | 0.79              | Not Detected  | 3.8                | Not Detected   |
| 1,1,1-Trichloroethane            | 0.79              | Not Detected  | 4.3                | Not Detected   |
| Cyclohexane                      | 0.79              | Not Detected  | 2.7                | Not Detected   |
| Carbon Tetrachloride             | 0.79              | Not Detected  | 5.0                | Not Detected   |
| 2,2,4-Trimethylpentane           | 0.79              | Not Detected  | 3.7                | Not Detected   |
| Benzene                          | 0.79              | Not Detected  | 2.5                | Not Detected   |
| 1,2-Dichloroethane               | 0.79              | Not Detected  | 3.2                | Not Detected   |
| Heptane                          | 0.79              | Not Detected  | 3.2                | Not Detected   |
| Trichloroethene                  | 0.79              | Not Detected  | 4.2                | Not Detected   |
| 1,2-Dichloropropane              | 0.79              | Not Detected  | 3.6                | Not Detected   |
| 1,4-Dioxane                      | 3.2               | Not Detected  | 11                 | Not Detected   |
| Bromodichloromethane             | 0.79              | Not Detected  | 5.3                | Not Detected   |
| cis-1,3-Dichloropropene          | 0.79              | Not Detected  | 3.6                | Not Detected   |
| 4-Methyl-2-pentanone             | 0.79              | Not Detected  | 3.2                | Not Detected   |
| Toluene                          | 1.6               | Not Detected  | 6.0                | Not Detected   |
| trans-1,3-Dichloropropene        | 0.79              | Not Detected  | 3.6                | Not Detected   |
| 1,1,2-Trichloroethane            | 0.79              | Not Detected  | 4.3                | Not Detected   |
| Tetrachloroethene                | 0.79              | Not Detected  | 5.4                | Not Detected   |
| 2-Hexanone                       | 3.2               | Not Detected  | 13                 | Not Detected   |

Client Sample ID: 821-LFGP-6

Lab ID#: 2511535A-08A

EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                     |                     |
|--------------|---------|---------------------|---------------------|
| File Name:   | 3120422 | Date of Collection: | 11/14/25 10:57:00 A |
| Dil. Factor: | 1.58    | Date of Analysis:   | 12/4/25 11:33 PM    |

| Compound                  | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---------------------------|-------------------|---------------|--------------------|----------------|
| Dibromochloromethane      | 0.79              | Not Detected  | 6.7                | Not Detected   |
| 1,2-Dibromoethane (EDB)   | 0.79              | Not Detected  | 6.1                | Not Detected   |
| Chlorobenzene             | 0.79              | Not Detected  | 3.6                | Not Detected   |
| Ethyl Benzene             | 0.79              | Not Detected  | 3.4                | Not Detected   |
| m,p-Xylene                | 1.6               | Not Detected  | 6.9                | Not Detected   |
| o-Xylene                  | 0.79              | Not Detected  | 3.4                | Not Detected   |
| Styrene                   | 0.79              | Not Detected  | 3.4                | Not Detected   |
| Bromoform                 | 0.79              | Not Detected  | 8.2                | Not Detected   |
| Cumene                    | 0.79              | Not Detected  | 3.9                | Not Detected   |
| 1,1,2,2-Tetrachloroethane | 0.79              | Not Detected  | 5.4                | Not Detected   |
| Propylbenzene             | 0.79              | Not Detected  | 3.9                | Not Detected   |
| 4-Ethyltoluene            | 0.79              | Not Detected  | 3.9                | Not Detected   |
| 1,3,5-Trimethylbenzene    | 0.79              | Not Detected  | 3.9                | Not Detected   |
| 1,2,4-Trimethylbenzene    | 0.79              | Not Detected  | 3.9                | Not Detected   |
| 1,3-Dichlorobenzene       | 0.79              | Not Detected  | 4.8                | Not Detected   |
| 1,4-Dichlorobenzene       | 0.79              | Not Detected  | 4.8                | Not Detected   |
| alpha-Chlorotoluene       | 0.79              | Not Detected  | 4.1                | Not Detected   |
| 1,2-Dichlorobenzene       | 0.79              | Not Detected  | 4.7                | Not Detected   |
| 1,2,4-Trichlorobenzene    | 3.2               | Not Detected  | 23                 | Not Detected   |
| Hexachlorobutadiene       | 3.2               | Not Detected  | 34                 | Not Detected   |
| Naphthalene               | 1.6               | Not Detected  | 8.3                | Not Detected   |

Container Type: 6 Liter Summa Canister

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| Toluene-d8            | 101       | 70-130        |
| 1,2-Dichloroethane-d4 | 106       | 70-130        |
| 4-Bromofluorobenzene  | 96        | 70-130        |



Air Toxics

Client Sample ID: 821-LFGP-7

Lab ID#: 2511535A-09A

EPA METHOD TO-15 GC/MS FULL SCAN

|                     |                |                            |                            |
|---------------------|----------------|----------------------------|----------------------------|
| <b>File Name:</b>   | <b>3120423</b> | <b>Date of Collection:</b> | <b>11/14/25 10:43:00 A</b> |
| <b>Dil. Factor:</b> | <b>1.48</b>    | <b>Date of Analysis:</b>   | <b>12/5/25 12:01 AM</b>    |

| Compound                         | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|----------------------------------|-------------------|---------------|--------------------|----------------|
| Freon 12                         | 0.74              | Not Detected  | 3.6                | Not Detected   |
| Freon 114                        | 0.74              | Not Detected  | 5.2                | Not Detected   |
| Chloromethane                    | 7.4               | Not Detected  | 15                 | Not Detected   |
| Vinyl Chloride                   | 0.74              | Not Detected  | 1.9                | Not Detected   |
| 1,3-Butadiene                    | 0.74              | Not Detected  | 1.6                | Not Detected   |
| Bromomethane                     | 7.4               | Not Detected  | 29                 | Not Detected   |
| Chloroethane                     | 3.0               | Not Detected  | 7.8                | Not Detected   |
| Freon 11                         | 0.74              | Not Detected  | 4.2                | Not Detected   |
| Ethanol                          | 7.4               | 26            | 14                 | 50             |
| Freon 113                        | 0.74              | Not Detected  | 5.7                | Not Detected   |
| 1,1-Dichloroethene               | 0.74              | Not Detected  | 2.9                | Not Detected   |
| Acetone                          | 7.4               | Not Detected  | 18                 | Not Detected   |
| 2-Propanol                       | 3.0               | Not Detected  | 7.3                | Not Detected   |
| Carbon Disulfide                 | 3.0               | Not Detected  | 9.2                | Not Detected   |
| 3-Chloropropene                  | 3.0               | Not Detected  | 9.3                | Not Detected   |
| Methylene Chloride               | 7.4               | Not Detected  | 26                 | Not Detected   |
| Methyl tert-butyl ether          | 3.0               | Not Detected  | 11                 | Not Detected   |
| trans-1,2-Dichloroethene         | 0.74              | Not Detected  | 2.9                | Not Detected   |
| Hexane                           | 0.74              | Not Detected  | 2.6                | Not Detected   |
| 1,1-Dichloroethane               | 0.74              | Not Detected  | 3.0                | Not Detected   |
| 2-Butanone (Methyl Ethyl Ketone) | 3.0               | Not Detected  | 8.7                | Not Detected   |
| cis-1,2-Dichloroethene           | 0.74              | Not Detected  | 2.9                | Not Detected   |
| Tetrahydrofuran                  | 0.74              | Not Detected  | 2.2                | Not Detected   |
| Chloroform                       | 0.74              | Not Detected  | 3.6                | Not Detected   |
| 1,1,1-Trichloroethane            | 0.74              | Not Detected  | 4.0                | Not Detected   |
| Cyclohexane                      | 0.74              | Not Detected  | 2.5                | Not Detected   |
| Carbon Tetrachloride             | 0.74              | Not Detected  | 4.6                | Not Detected   |
| 2,2,4-Trimethylpentane           | 0.74              | Not Detected  | 3.4                | Not Detected   |
| Benzene                          | 0.74              | Not Detected  | 2.4                | Not Detected   |
| 1,2-Dichloroethane               | 0.74              | Not Detected  | 3.0                | Not Detected   |
| Heptane                          | 0.74              | Not Detected  | 3.0                | Not Detected   |
| Trichloroethene                  | 0.74              | Not Detected  | 4.0                | Not Detected   |
| 1,2-Dichloropropane              | 0.74              | Not Detected  | 3.4                | Not Detected   |
| 1,4-Dioxane                      | 3.0               | Not Detected  | 11                 | Not Detected   |
| Bromodichloromethane             | 0.74              | Not Detected  | 5.0                | Not Detected   |
| cis-1,3-Dichloropropene          | 0.74              | Not Detected  | 3.4                | Not Detected   |
| 4-Methyl-2-pentanone             | 0.74              | Not Detected  | 3.0                | Not Detected   |
| Toluene                          | 1.5               | Not Detected  | 5.6                | Not Detected   |
| trans-1,3-Dichloropropene        | 0.74              | Not Detected  | 3.4                | Not Detected   |
| 1,1,2-Trichloroethane            | 0.74              | Not Detected  | 4.0                | Not Detected   |
| Tetrachloroethene                | 0.74              | Not Detected  | 5.0                | Not Detected   |
| 2-Hexanone                       | 3.0               | Not Detected  | 12                 | Not Detected   |

Client Sample ID: 821-LFGP-7

Lab ID#: 2511535A-09A

EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                     |                     |
|--------------|---------|---------------------|---------------------|
| File Name:   | 3120423 | Date of Collection: | 11/14/25 10:43:00 A |
| Dil. Factor: | 1.48    | Date of Analysis:   | 12/5/25 12:01 AM    |

| Compound                  | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---------------------------|-------------------|---------------|--------------------|----------------|
| Dibromochloromethane      | 0.74              | Not Detected  | 6.3                | Not Detected   |
| 1,2-Dibromoethane (EDB)   | 0.74              | Not Detected  | 5.7                | Not Detected   |
| Chlorobenzene             | 0.74              | Not Detected  | 3.4                | Not Detected   |
| Ethyl Benzene             | 0.74              | Not Detected  | 3.2                | Not Detected   |
| m,p-Xylene                | 1.5               | Not Detected  | 6.4                | Not Detected   |
| o-Xylene                  | 0.74              | Not Detected  | 3.2                | Not Detected   |
| Styrene                   | 0.74              | Not Detected  | 3.2                | Not Detected   |
| Bromoform                 | 0.74              | Not Detected  | 7.6                | Not Detected   |
| Cumene                    | 0.74              | Not Detected  | 3.6                | Not Detected   |
| 1,1,2,2-Tetrachloroethane | 0.74              | Not Detected  | 5.1                | Not Detected   |
| Propylbenzene             | 0.74              | Not Detected  | 3.6                | Not Detected   |
| 4-Ethyltoluene            | 0.74              | Not Detected  | 3.6                | Not Detected   |
| 1,3,5-Trimethylbenzene    | 0.74              | Not Detected  | 3.6                | Not Detected   |
| 1,2,4-Trimethylbenzene    | 0.74              | Not Detected  | 3.6                | Not Detected   |
| 1,3-Dichlorobenzene       | 0.74              | Not Detected  | 4.4                | Not Detected   |
| 1,4-Dichlorobenzene       | 0.74              | Not Detected  | 4.4                | Not Detected   |
| alpha-Chlorotoluene       | 0.74              | Not Detected  | 3.8                | Not Detected   |
| 1,2-Dichlorobenzene       | 0.74              | Not Detected  | 4.4                | Not Detected   |
| 1,2,4-Trichlorobenzene    | 3.0               | Not Detected  | 22                 | Not Detected   |
| Hexachlorobutadiene       | 3.0               | Not Detected  | 32                 | Not Detected   |
| Naphthalene               | 1.5               | Not Detected  | 7.8                | Not Detected   |

Container Type: 6 Liter Summa Canister

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| Toluene-d8            | 101       | 70-130        |
| 1,2-Dichloroethane-d4 | 107       | 70-130        |
| 4-Bromofluorobenzene  | 97        | 70-130        |



Air Toxics

Client Sample ID: 821-LFGP-8

Lab ID#: 2511535A-10A

EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                     |                     |
|--------------|---------|---------------------|---------------------|
| File Name:   | 3120424 | Date of Collection: | 11/14/25 10:42:00 A |
| Dil. Factor: | 1.57    | Date of Analysis:   | 12/5/25 12:29 AM    |

| Compound                         | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|----------------------------------|-------------------|---------------|--------------------|----------------|
| Freon 12                         | 0.78              | Not Detected  | 3.9                | Not Detected   |
| Freon 114                        | 0.78              | Not Detected  | 5.5                | Not Detected   |
| Chloromethane                    | 7.8               | Not Detected  | 16                 | Not Detected   |
| Vinyl Chloride                   | 0.78              | Not Detected  | 2.0                | Not Detected   |
| 1,3-Butadiene                    | 0.78              | Not Detected  | 1.7                | Not Detected   |
| Bromomethane                     | 7.8               | Not Detected  | 30                 | Not Detected   |
| Chloroethane                     | 3.1               | Not Detected  | 8.3                | Not Detected   |
| Freon 11                         | 0.78              | Not Detected  | 4.4                | Not Detected   |
| Ethanol                          | 7.8               | Not Detected  | 15                 | Not Detected   |
| Freon 113                        | 0.78              | Not Detected  | 6.0                | Not Detected   |
| 1,1-Dichloroethene               | 0.78              | Not Detected  | 3.1                | Not Detected   |
| Acetone                          | 7.8               | Not Detected  | 19                 | Not Detected   |
| 2-Propanol                       | 3.1               | Not Detected  | 7.7                | Not Detected   |
| Carbon Disulfide                 | 3.1               | Not Detected  | 9.8                | Not Detected   |
| 3-Chloropropene                  | 3.1               | Not Detected  | 9.8                | Not Detected   |
| Methylene Chloride               | 7.8               | Not Detected  | 27                 | Not Detected   |
| Methyl tert-butyl ether          | 3.1               | Not Detected  | 11                 | Not Detected   |
| trans-1,2-Dichloroethene         | 0.78              | Not Detected  | 3.1                | Not Detected   |
| Hexane                           | 0.78              | Not Detected  | 2.8                | Not Detected   |
| 1,1-Dichloroethane               | 0.78              | Not Detected  | 3.2                | Not Detected   |
| 2-Butanone (Methyl Ethyl Ketone) | 3.1               | Not Detected  | 9.2                | Not Detected   |
| cis-1,2-Dichloroethene           | 0.78              | Not Detected  | 3.1                | Not Detected   |
| Tetrahydrofuran                  | 0.78              | Not Detected  | 2.3                | Not Detected   |
| Chloroform                       | 0.78              | Not Detected  | 3.8                | Not Detected   |
| 1,1,1-Trichloroethane            | 0.78              | Not Detected  | 4.3                | Not Detected   |
| Cyclohexane                      | 0.78              | Not Detected  | 2.7                | Not Detected   |
| Carbon Tetrachloride             | 0.78              | Not Detected  | 4.9                | Not Detected   |
| 2,2,4-Trimethylpentane           | 0.78              | Not Detected  | 3.7                | Not Detected   |
| Benzene                          | 0.78              | Not Detected  | 2.5                | Not Detected   |
| 1,2-Dichloroethane               | 0.78              | Not Detected  | 3.2                | Not Detected   |
| Heptane                          | 0.78              | Not Detected  | 3.2                | Not Detected   |
| Trichloroethene                  | 0.78              | Not Detected  | 4.2                | Not Detected   |
| 1,2-Dichloropropane              | 0.78              | Not Detected  | 3.6                | Not Detected   |
| 1,4-Dioxane                      | 3.1               | Not Detected  | 11                 | Not Detected   |
| Bromodichloromethane             | 0.78              | Not Detected  | 5.2                | Not Detected   |
| cis-1,3-Dichloropropene          | 0.78              | Not Detected  | 3.6                | Not Detected   |
| 4-Methyl-2-pentanone             | 0.78              | Not Detected  | 3.2                | Not Detected   |
| Toluene                          | 1.6               | Not Detected  | 5.9                | Not Detected   |
| trans-1,3-Dichloropropene        | 0.78              | Not Detected  | 3.6                | Not Detected   |
| 1,1,2-Trichloroethane            | 0.78              | Not Detected  | 4.3                | Not Detected   |
| Tetrachloroethene                | 0.78              | Not Detected  | 5.3                | Not Detected   |
| 2-Hexanone                       | 3.1               | Not Detected  | 13                 | Not Detected   |

Client Sample ID: 821-LFGP-8

Lab ID#: 2511535A-10A

EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                     |                     |
|--------------|---------|---------------------|---------------------|
| File Name:   | 3120424 | Date of Collection: | 11/14/25 10:42:00 A |
| Dil. Factor: | 1.57    | Date of Analysis:   | 12/5/25 12:29 AM    |

| Compound                  | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---------------------------|-------------------|---------------|--------------------|----------------|
| Dibromochloromethane      | 0.78              | Not Detected  | 6.7                | Not Detected   |
| 1,2-Dibromoethane (EDB)   | 0.78              | Not Detected  | 6.0                | Not Detected   |
| Chlorobenzene             | 0.78              | Not Detected  | 3.6                | Not Detected   |
| Ethyl Benzene             | 0.78              | Not Detected  | 3.4                | Not Detected   |
| m,p-Xylene                | 1.6               | Not Detected  | 6.8                | Not Detected   |
| o-Xylene                  | 0.78              | Not Detected  | 3.4                | Not Detected   |
| Styrene                   | 0.78              | Not Detected  | 3.3                | Not Detected   |
| Bromoform                 | 0.78              | Not Detected  | 8.1                | Not Detected   |
| Cumene                    | 0.78              | Not Detected  | 3.8                | Not Detected   |
| 1,1,2,2-Tetrachloroethane | 0.78              | Not Detected  | 5.4                | Not Detected   |
| Propylbenzene             | 0.78              | Not Detected  | 3.8                | Not Detected   |
| 4-Ethyltoluene            | 0.78              | Not Detected  | 3.8                | Not Detected   |
| 1,3,5-Trimethylbenzene    | 0.78              | Not Detected  | 3.8                | Not Detected   |
| 1,2,4-Trimethylbenzene    | 0.78              | Not Detected  | 3.8                | Not Detected   |
| 1,3-Dichlorobenzene       | 0.78              | Not Detected  | 4.7                | Not Detected   |
| 1,4-Dichlorobenzene       | 0.78              | Not Detected  | 4.7                | Not Detected   |
| alpha-Chlorotoluene       | 0.78              | Not Detected  | 4.1                | Not Detected   |
| 1,2-Dichlorobenzene       | 0.78              | Not Detected  | 4.7                | Not Detected   |
| 1,2,4-Trichlorobenzene    | 3.1               | Not Detected  | 23                 | Not Detected   |
| Hexachlorobutadiene       | 3.1               | Not Detected  | 33                 | Not Detected   |
| Naphthalene               | 1.6               | Not Detected  | 8.2                | Not Detected   |

Container Type: 6 Liter Summa Canister

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| Toluene-d8            | 101       | 70-130        |
| 1,2-Dichloroethane-d4 | 105       | 70-130        |
| 4-Bromofluorobenzene  | 96        | 70-130        |



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 2511535A-11A

EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                     |                  |
|--------------|---------|---------------------|------------------|
| File Name:   | 3120307 | Date of Collection: | NA               |
| Dil. Factor: | 1.00    | Date of Analysis:   | 12/3/25 02:21 PM |

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

Client Sample ID: Lab Blank

Lab ID#: 2511535A-11A

EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                                    |
|--------------|---------|------------------------------------|
| File Name:   | 3120307 | Date of Collection: NA             |
| Dil. Factor: | 1.00    | Date of Analysis: 12/3/25 02:21 PM |

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

Container Type: NA - Not Applicable

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| Toluene-d8            | 100       | 70-130        |
| 1,2-Dichloroethane-d4 | 104       | 70-130        |
| 4-Bromofluorobenzene  | 102       | 70-130        |



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 2511535A-11B

EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                     |                  |
|--------------|---------|---------------------|------------------|
| File Name:   | 3120406 | Date of Collection: | NA               |
| Dil. Factor: | 1.00    | Date of Analysis:   | 12/4/25 12:46 PM |

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

Client Sample ID: Lab Blank

Lab ID#: 2511535A-11B

EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                                    |
|--------------|---------|------------------------------------|
| File Name:   | 3120406 | Date of Collection: NA             |
| Dil. Factor: | 1.00    | Date of Analysis: 12/4/25 12:46 PM |

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

Container Type: NA - Not Applicable

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| Toluene-d8            | 100       | 70-130        |
| 1,2-Dichloroethane-d4 | 103       | 70-130        |
| 4-Bromofluorobenzene  | 102       | 70-130        |

Client Sample ID: CCV

Lab ID#: 2511535A-12A

EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                                    |
|--------------|---------|------------------------------------|
| File Name:   | 3120303 | Date of Collection: NA             |
| Dil. Factor: | 1.00    | Date of Analysis: 12/3/25 12:34 PM |

| Compound                         | %Recovery |
|----------------------------------|-----------|
| Freon 12                         | 104       |
| Freon 114                        | 96        |
| Chloromethane                    | 100       |
| Vinyl Chloride                   | 101       |
| 1,3-Butadiene                    | 93        |
| Bromomethane                     | 96        |
| Chloroethane                     | 93        |
| Freon 11                         | 101       |
| Ethanol                          | 107       |
| Freon 113                        | 93        |
| 1,1-Dichloroethene               | 94        |
| Acetone                          | 125       |
| 2-Propanol                       | 87        |
| Carbon Disulfide                 | 93        |
| 3-Chloropropene                  | 91        |
| Methylene Chloride               | 104       |
| Methyl tert-butyl ether          | 96        |
| trans-1,2-Dichloroethene         | 89        |
| Hexane                           | 95        |
| 1,1-Dichloroethane               | 96        |
| 2-Butanone (Methyl Ethyl Ketone) | 101       |
| cis-1,2-Dichloroethene           | 98        |
| Tetrahydrofuran                  | 100       |
| Chloroform                       | 103       |
| 1,1,1-Trichloroethane            | 96        |
| Cyclohexane                      | 98        |
| Carbon Tetrachloride             | 95        |
| 2,2,4-Trimethylpentane           | 98        |
| Benzene                          | 104       |
| 1,2-Dichloroethane               | 108       |
| Heptane                          | 100       |
| Trichloroethene                  | 103       |
| 1,2-Dichloropropane              | 106       |
| 1,4-Dioxane                      | 99        |
| Bromodichloromethane             | 102       |
| cis-1,3-Dichloropropene          | 101       |
| 4-Methyl-2-pentanone             | 99        |
| Toluene                          | 104       |
| trans-1,3-Dichloropropene        | 100       |
| 1,1,2-Trichloroethane            | 100       |
| Tetrachloroethene                | 102       |
| 2-Hexanone                       | 97        |

Client Sample ID: CCV

Lab ID#: 2511535A-12A

EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                                    |
|--------------|---------|------------------------------------|
| File Name:   | 3120303 | Date of Collection: NA             |
| Dil. Factor: | 1.00    | Date of Analysis: 12/3/25 12:34 PM |

| Compound                  | %Recovery |
|---------------------------|-----------|
| Dibromochloromethane      | 102       |
| 1,2-Dibromoethane (EDB)   | 102       |
| Chlorobenzene             | 103       |
| Ethyl Benzene             | 103       |
| m,p-Xylene                | 101       |
| o-Xylene                  | 101       |
| Styrene                   | 98        |
| Bromoform                 | 105       |
| Cumene                    | 104       |
| 1,1,2,2-Tetrachloroethane | 101       |
| Propylbenzene             | 96        |
| 4-Ethyltoluene            | 101       |
| 1,3,5-Trimethylbenzene    | 100       |
| 1,2,4-Trimethylbenzene    | 101       |
| 1,3-Dichlorobenzene       | 102       |
| 1,4-Dichlorobenzene       | 101       |
| alpha-Chlorotoluene       | 94        |
| 1,2-Dichlorobenzene       | 100       |
| 1,2,4-Trichlorobenzene    | 100       |
| Hexachlorobutadiene       | 99        |
| Naphthalene               | 96        |

Container Type: NA - Not Applicable

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| Toluene-d8            | 101       | 70-130        |
| 1,2-Dichloroethane-d4 | 101       | 70-130        |
| 4-Bromofluorobenzene  | 103       | 70-130        |

Client Sample ID: CCV

Lab ID#: 2511535A-12B

EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                                    |
|--------------|---------|------------------------------------|
| File Name:   | 3120402 | Date of Collection: NA             |
| Dil. Factor: | 1.00    | Date of Analysis: 12/4/25 11:02 AM |

| Compound                         | %Recovery |
|----------------------------------|-----------|
| Freon 12                         | 106       |
| Freon 114                        | 95        |
| Chloromethane                    | 105       |
| Vinyl Chloride                   | 102       |
| 1,3-Butadiene                    | 95        |
| Bromomethane                     | 97        |
| Chloroethane                     | 95        |
| Freon 11                         | 99        |
| Ethanol                          | 117       |
| Freon 113                        | 92        |
| 1,1-Dichloroethene               | 93        |
| Acetone                          | 128       |
| 2-Propanol                       | 91        |
| Carbon Disulfide                 | 94        |
| 3-Chloropropene                  | 91        |
| Methylene Chloride               | 106       |
| Methyl tert-butyl ether          | 96        |
| trans-1,2-Dichloroethene         | 90        |
| Hexane                           | 96        |
| 1,1-Dichloroethane               | 96        |
| 2-Butanone (Methyl Ethyl Ketone) | 103       |
| cis-1,2-Dichloroethene           | 98        |
| Tetrahydrofuran                  | 101       |
| Chloroform                       | 102       |
| 1,1,1-Trichloroethane            | 95        |
| Cyclohexane                      | 97        |
| Carbon Tetrachloride             | 94        |
| 2,2,4-Trimethylpentane           | 99        |
| Benzene                          | 103       |
| 1,2-Dichloroethane               | 107       |
| Heptane                          | 103       |
| Trichloroethene                  | 102       |
| 1,2-Dichloropropane              | 106       |
| 1,4-Dioxane                      | 101       |
| Bromodichloromethane             | 102       |
| cis-1,3-Dichloropropene          | 100       |
| 4-Methyl-2-pentanone             | 99        |
| Toluene                          | 105       |
| trans-1,3-Dichloropropene        | 98        |
| 1,1,2-Trichloroethane            | 100       |
| Tetrachloroethene                | 100       |
| 2-Hexanone                       | 98        |

Client Sample ID: CCV

Lab ID#: 2511535A-12B

EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                                    |
|--------------|---------|------------------------------------|
| File Name:   | 3120402 | Date of Collection: NA             |
| Dil. Factor: | 1.00    | Date of Analysis: 12/4/25 11:02 AM |

| Compound                  | %Recovery |
|---------------------------|-----------|
| Dibromochloromethane      | 100       |
| 1,2-Dibromoethane (EDB)   | 102       |
| Chlorobenzene             | 101       |
| Ethyl Benzene             | 103       |
| m,p-Xylene                | 101       |
| o-Xylene                  | 100       |
| Styrene                   | 98        |
| Bromoform                 | 103       |
| Cumene                    | 103       |
| 1,1,2,2-Tetrachloroethane | 102       |
| Propylbenzene             | 95        |
| 4-Ethyltoluene            | 98        |
| 1,3,5-Trimethylbenzene    | 99        |
| 1,2,4-Trimethylbenzene    | 99        |
| 1,3-Dichlorobenzene       | 102       |
| 1,4-Dichlorobenzene       | 101       |
| alpha-Chlorotoluene       | 94        |
| 1,2-Dichlorobenzene       | 102       |
| 1,2,4-Trichlorobenzene    | 99        |
| Hexachlorobutadiene       | 98        |
| Naphthalene               | 93        |

Container Type: NA - Not Applicable

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| Toluene-d8            | 103       | 70-130        |
| 1,2-Dichloroethane-d4 | 102       | 70-130        |
| 4-Bromofluorobenzene  | 102       | 70-130        |

Client Sample ID: LCS

Lab ID#: 2511535A-13A

EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                                    |
|--------------|---------|------------------------------------|
| File Name:   | 3120304 | Date of Collection: NA             |
| Dil. Factor: | 1.00    | Date of Analysis: 12/3/25 01:00 PM |

| Compound                         | %Recovery | Method Limits |
|----------------------------------|-----------|---------------|
| Freon 12                         | 107       | 70-130        |
| Freon 114                        | 99        | 70-130        |
| Chloromethane                    | 103       | 70-130        |
| Vinyl Chloride                   | 104       | 70-130        |
| 1,3-Butadiene                    | 96        | 70-130        |
| Bromomethane                     | 103       | 70-130        |
| Chloroethane                     | 97        | 70-130        |
| Freon 11                         | 104       | 70-130        |
| Ethanol                          | 109       | 70-130        |
| Freon 113                        | 96        | 70-130        |
| 1,1-Dichloroethene               | 95        | 70-130        |
| Acetone                          | 98        | 70-130        |
| 2-Propanol                       | 93        | 70-130        |
| Carbon Disulfide                 | 87        | 70-130        |
| 3-Chloropropene                  | 89        | 70-130        |
| Methylene Chloride               | 94        | 70-130        |
| Methyl tert-butyl ether          | 88        | 70-130        |
| trans-1,2-Dichloroethene         | 86        | 70-130        |
| Hexane                           | 86        | 70-130        |
| 1,1-Dichloroethane               | 98        | 70-130        |
| 2-Butanone (Methyl Ethyl Ketone) | 90        | 70-130        |
| cis-1,2-Dichloroethene           | 97        | 70-130        |
| Tetrahydrofuran                  | 89        | 70-130        |
| Chloroform                       | 91        | 70-130        |
| 1,1,1-Trichloroethane            | 99        | 70-130        |
| Cyclohexane                      | 87        | 70-130        |
| Carbon Tetrachloride             | 97        | 70-130        |
| 2,2,4-Trimethylpentane           | 88        | 70-130        |
| Benzene                          | 92        | 70-130        |
| 1,2-Dichloroethane               | 97        | 70-130        |
| Heptane                          | 89        | 70-130        |
| Trichloroethene                  | 94        | 70-130        |
| 1,2-Dichloropropane              | 92        | 70-130        |
| 1,4-Dioxane                      | 90        | 70-130        |
| Bromodichloromethane             | 105       | 70-130        |
| cis-1,3-Dichloropropene          | 102       | 70-130        |
| 4-Methyl-2-pentanone             | 88        | 70-130        |
| Toluene                          | 93        | 70-130        |
| trans-1,3-Dichloropropene        | 100       | 70-130        |
| 1,1,2-Trichloroethane            | 101       | 70-130        |
| Tetrachloroethene                | 90        | 70-130        |
| 2-Hexanone                       | 86        | 70-130        |

Client Sample ID: LCS

Lab ID#: 2511535A-13A

EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                                    |
|--------------|---------|------------------------------------|
| File Name:   | 3120304 | Date of Collection: NA             |
| Dil. Factor: | 1.00    | Date of Analysis: 12/3/25 01:00 PM |

| Compound                  | %Recovery | Method Limits |
|---------------------------|-----------|---------------|
| Dibromochloromethane      | 104       | 70-130        |
| 1,2-Dibromoethane (EDB)   | 105       | 70-130        |
| Chlorobenzene             | 89        | 70-130        |
| Ethyl Benzene             | 92        | 70-130        |
| m,p-Xylene                | 89        | 70-130        |
| o-Xylene                  | 90        | 70-130        |
| Styrene                   | 98        | 70-130        |
| Bromoform                 | 109       | 70-130        |
| Cumene                    | 92        | 70-130        |
| 1,1,2,2-Tetrachloroethane | 102       | 70-130        |
| Propylbenzene             | 98        | 70-130        |
| 4-Ethyltoluene            | 105       | 70-130        |
| 1,3,5-Trimethylbenzene    | 99        | 70-130        |
| 1,2,4-Trimethylbenzene    | 101       | 70-130        |
| 1,3-Dichlorobenzene       | 103       | 70-130        |
| 1,4-Dichlorobenzene       | 102       | 70-130        |
| alpha-Chlorotoluene       | 99        | 70-130        |
| 1,2-Dichlorobenzene       | 105       | 70-130        |
| 1,2,4-Trichlorobenzene    | 103       | 70-130        |
| Hexachlorobutadiene       | 103       | 70-130        |
| Naphthalene               | 100       | 60-140        |

Container Type: NA - Not Applicable

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| Toluene-d8            | 101       | 70-130        |
| 1,2-Dichloroethane-d4 | 103       | 70-130        |
| 4-Bromofluorobenzene  | 101       | 70-130        |

Client Sample ID: LCSD

Lab ID#: 2511535A-13AA

EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                                    |
|--------------|---------|------------------------------------|
| File Name:   | 3120305 | Date of Collection: NA             |
| Dil. Factor: | 1.00    | Date of Analysis: 12/3/25 01:26 PM |

| Compound                         | %Recovery | Method Limits |
|----------------------------------|-----------|---------------|
| Freon 12                         | 135 Q     | 70-130        |
| Freon 114                        | 121       | 70-130        |
| Chloromethane                    | 127       | 70-130        |
| Vinyl Chloride                   | 127       | 70-130        |
| 1,3-Butadiene                    | 118       | 70-130        |
| Bromomethane                     | 126       | 70-130        |
| Chloroethane                     | 119       | 70-130        |
| Freon 11                         | 126       | 70-130        |
| Ethanol                          | 132 Q     | 70-130        |
| Freon 113                        | 118       | 70-130        |
| 1,1-Dichloroethene               | 117       | 70-130        |
| Acetone                          | 120       | 70-130        |
| 2-Propanol                       | 117       | 70-130        |
| Carbon Disulfide                 | 107       | 70-130        |
| 3-Chloropropene                  | 108       | 70-130        |
| Methylene Chloride               | 115       | 70-130        |
| Methyl tert-butyl ether          | 106       | 70-130        |
| trans-1,2-Dichloroethene         | 105       | 70-130        |
| Hexane                           | 105       | 70-130        |
| 1,1-Dichloroethane               | 120       | 70-130        |
| 2-Butanone (Methyl Ethyl Ketone) | 110       | 70-130        |
| cis-1,2-Dichloroethene           | 119       | 70-130        |
| Tetrahydrofuran                  | 108       | 70-130        |
| Chloroform                       | 112       | 70-130        |
| 1,1,1-Trichloroethane            | 122       | 70-130        |
| Cyclohexane                      | 108       | 70-130        |
| Carbon Tetrachloride             | 119       | 70-130        |
| 2,2,4-Trimethylpentane           | 108       | 70-130        |
| Benzene                          | 114       | 70-130        |
| 1,2-Dichloroethane               | 120       | 70-130        |
| Heptane                          | 111       | 70-130        |
| Trichloroethene                  | 114       | 70-130        |
| 1,2-Dichloropropane              | 115       | 70-130        |
| 1,4-Dioxane                      | 113       | 70-130        |
| Bromodichloromethane             | 125       | 70-130        |
| cis-1,3-Dichloropropene          | 127       | 70-130        |
| 4-Methyl-2-pentanone             | 107       | 70-130        |
| Toluene                          | 114       | 70-130        |
| trans-1,3-Dichloropropene        | 119       | 70-130        |
| 1,1,2-Trichloroethane            | 120       | 70-130        |
| Tetrachloroethene                | 107       | 70-130        |
| 2-Hexanone                       | 102       | 70-130        |

Client Sample ID: LCSD

Lab ID#: 2511535A-13AA

EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                                    |
|--------------|---------|------------------------------------|
| File Name:   | 3120305 | Date of Collection: NA             |
| Dil. Factor: | 1.00    | Date of Analysis: 12/3/25 01:26 PM |

| Compound                  | %Recovery | Method Limits |
|---------------------------|-----------|---------------|
| Dibromochloromethane      | 124       | 70-130        |
| 1,2-Dibromoethane (EDB)   | 122       | 70-130        |
| Chlorobenzene             | 107       | 70-130        |
| Ethyl Benzene             | 108       | 70-130        |
| m,p-Xylene                | 105       | 70-130        |
| o-Xylene                  | 106       | 70-130        |
| Styrene                   | 116       | 70-130        |
| Bromoform                 | 129       | 70-130        |
| Cumene                    | 108       | 70-130        |
| 1,1,2,2-Tetrachloroethane | 120       | 70-130        |
| Propylbenzene             | 115       | 70-130        |
| 4-Ethyltoluene            | 124       | 70-130        |
| 1,3,5-Trimethylbenzene    | 118       | 70-130        |
| 1,2,4-Trimethylbenzene    | 119       | 70-130        |
| 1,3-Dichlorobenzene       | 121       | 70-130        |
| 1,4-Dichlorobenzene       | 121       | 70-130        |
| alpha-Chlorotoluene       | 118       | 70-130        |
| 1,2-Dichlorobenzene       | 124       | 70-130        |
| 1,2,4-Trichlorobenzene    | 124       | 70-130        |
| Hexachlorobutadiene       | 122       | 70-130        |
| Naphthalene               | 120       | 60-140        |

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| Toluene-d8            | 103       | 70-130        |
| 1,2-Dichloroethane-d4 | 101       | 70-130        |
| 4-Bromofluorobenzene  | 107       | 70-130        |

Client Sample ID: LCS

Lab ID#: 2511535A-13B

EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                                    |
|--------------|---------|------------------------------------|
| File Name:   | 3120403 | Date of Collection: NA             |
| Dil. Factor: | 1.00    | Date of Analysis: 12/4/25 11:27 AM |

| Compound                         | %Recovery | Method Limits |
|----------------------------------|-----------|---------------|
| Freon 12                         | 110       | 70-130        |
| Freon 114                        | 97        | 70-130        |
| Chloromethane                    | 109       | 70-130        |
| Vinyl Chloride                   | 106       | 70-130        |
| 1,3-Butadiene                    | 96        | 70-130        |
| Bromomethane                     | 104       | 70-130        |
| Chloroethane                     | 97        | 70-130        |
| Freon 11                         | 103       | 70-130        |
| Ethanol                          | 120       | 70-130        |
| Freon 113                        | 95        | 70-130        |
| 1,1-Dichloroethene               | 94        | 70-130        |
| Acetone                          | 98        | 70-130        |
| 2-Propanol                       | 96        | 70-130        |
| Carbon Disulfide                 | 87        | 70-130        |
| 3-Chloropropene                  | 88        | 70-130        |
| Methylene Chloride               | 93        | 70-130        |
| Methyl tert-butyl ether          | 87        | 70-130        |
| trans-1,2-Dichloroethene         | 86        | 70-130        |
| Hexane                           | 85        | 70-130        |
| 1,1-Dichloroethane               | 98        | 70-130        |
| 2-Butanone (Methyl Ethyl Ketone) | 91        | 70-130        |
| cis-1,2-Dichloroethene           | 96        | 70-130        |
| Tetrahydrofuran                  | 89        | 70-130        |
| Chloroform                       | 90        | 70-130        |
| 1,1,1-Trichloroethane            | 98        | 70-130        |
| Cyclohexane                      | 87        | 70-130        |
| Carbon Tetrachloride             | 97        | 70-130        |
| 2,2,4-Trimethylpentane           | 88        | 70-130        |
| Benzene                          | 90        | 70-130        |
| 1,2-Dichloroethane               | 95        | 70-130        |
| Heptane                          | 90        | 70-130        |
| Trichloroethene                  | 91        | 70-130        |
| 1,2-Dichloropropane              | 91        | 70-130        |
| 1,4-Dioxane                      | 92        | 70-130        |
| Bromodichloromethane             | 104       | 70-130        |
| cis-1,3-Dichloropropene          | 102       | 70-130        |
| 4-Methyl-2-pentanone             | 87        | 70-130        |
| Toluene                          | 91        | 70-130        |
| trans-1,3-Dichloropropene        | 101       | 70-130        |
| 1,1,2-Trichloroethane            | 101       | 70-130        |
| Tetrachloroethene                | 88        | 70-130        |
| 2-Hexanone                       | 86        | 70-130        |

Client Sample ID: LCS

Lab ID#: 2511535A-13B

EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                                    |
|--------------|---------|------------------------------------|
| File Name:   | 3120403 | Date of Collection: NA             |
| Dil. Factor: | 1.00    | Date of Analysis: 12/4/25 11:27 AM |

| Compound                  | %Recovery | Method Limits |
|---------------------------|-----------|---------------|
| Dibromochloromethane      | 103       | 70-130        |
| 1,2-Dibromoethane (EDB)   | 103       | 70-130        |
| Chlorobenzene             | 90        | 70-130        |
| Ethyl Benzene             | 91        | 70-130        |
| m,p-Xylene                | 88        | 70-130        |
| o-Xylene                  | 88        | 70-130        |
| Styrene                   | 98        | 70-130        |
| Bromoform                 | 107       | 70-130        |
| Cumene                    | 90        | 70-130        |
| 1,1,2,2-Tetrachloroethane | 102       | 70-130        |
| Propylbenzene             | 97        | 70-130        |
| 4-Ethyltoluene            | 103       | 70-130        |
| 1,3,5-Trimethylbenzene    | 100       | 70-130        |
| 1,2,4-Trimethylbenzene    | 100       | 70-130        |
| 1,3-Dichlorobenzene       | 101       | 70-130        |
| 1,4-Dichlorobenzene       | 102       | 70-130        |
| alpha-Chlorotoluene       | 99        | 70-130        |
| 1,2-Dichlorobenzene       | 104       | 70-130        |
| 1,2,4-Trichlorobenzene    | 103       | 70-130        |
| Hexachlorobutadiene       | 101       | 70-130        |
| Naphthalene               | 100       | 60-140        |

Container Type: NA - Not Applicable

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| Toluene-d8            | 102       | 70-130        |
| 1,2-Dichloroethane-d4 | 103       | 70-130        |
| 4-Bromofluorobenzene  | 100       | 70-130        |

Client Sample ID: LCSD

Lab ID#: 2511535A-13BB

EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                                    |
|--------------|---------|------------------------------------|
| File Name:   | 3120404 | Date of Collection: NA             |
| Dil. Factor: | 1.00    | Date of Analysis: 12/4/25 11:53 AM |

| Compound                         | %Recovery | Method Limits |
|----------------------------------|-----------|---------------|
| Freon 12                         | 110       | 70-130        |
| Freon 114                        | 99        | 70-130        |
| Chloromethane                    | 106       | 70-130        |
| Vinyl Chloride                   | 106       | 70-130        |
| 1,3-Butadiene                    | 98        | 70-130        |
| Bromomethane                     | 103       | 70-130        |
| Chloroethane                     | 99        | 70-130        |
| Freon 11                         | 103       | 70-130        |
| Ethanol                          | 121       | 70-130        |
| Freon 113                        | 95        | 70-130        |
| 1,1-Dichloroethene               | 96        | 70-130        |
| Acetone                          | 100       | 70-130        |
| 2-Propanol                       | 97        | 70-130        |
| Carbon Disulfide                 | 88        | 70-130        |
| 3-Chloropropene                  | 92        | 70-130        |
| Methylene Chloride               | 95        | 70-130        |
| Methyl tert-butyl ether          | 87        | 70-130        |
| trans-1,2-Dichloroethene         | 86        | 70-130        |
| Hexane                           | 88        | 70-130        |
| 1,1-Dichloroethane               | 98        | 70-130        |
| 2-Butanone (Methyl Ethyl Ketone) | 89        | 70-130        |
| cis-1,2-Dichloroethene           | 98        | 70-130        |
| Tetrahydrofuran                  | 90        | 70-130        |
| Chloroform                       | 92        | 70-130        |
| 1,1,1-Trichloroethane            | 99        | 70-130        |
| Cyclohexane                      | 88        | 70-130        |
| Carbon Tetrachloride             | 98        | 70-130        |
| 2,2,4-Trimethylpentane           | 90        | 70-130        |
| Benzene                          | 92        | 70-130        |
| 1,2-Dichloroethane               | 96        | 70-130        |
| Heptane                          | 88        | 70-130        |
| Trichloroethene                  | 93        | 70-130        |
| 1,2-Dichloropropane              | 94        | 70-130        |
| 1,4-Dioxane                      | 92        | 70-130        |
| Bromodichloromethane             | 104       | 70-130        |
| cis-1,3-Dichloropropene          | 103       | 70-130        |
| 4-Methyl-2-pentanone             | 88        | 70-130        |
| Toluene                          | 93        | 70-130        |
| trans-1,3-Dichloropropene        | 101       | 70-130        |
| 1,1,2-Trichloroethane            | 101       | 70-130        |
| Tetrachloroethene                | 89        | 70-130        |
| 2-Hexanone                       | 86        | 70-130        |

Client Sample ID: LCSD

Lab ID#: 2511535A-13BB

EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                                    |
|--------------|---------|------------------------------------|
| File Name:   | 3120404 | Date of Collection: NA             |
| Dil. Factor: | 1.00    | Date of Analysis: 12/4/25 11:53 AM |

| Compound                  | %Recovery | Method Limits |
|---------------------------|-----------|---------------|
| Dibromochloromethane      | 104       | 70-130        |
| 1,2-Dibromoethane (EDB)   | 104       | 70-130        |
| Chlorobenzene             | 90        | 70-130        |
| Ethyl Benzene             | 91        | 70-130        |
| m,p-Xylene                | 89        | 70-130        |
| o-Xylene                  | 89        | 70-130        |
| Styrene                   | 97        | 70-130        |
| Bromoform                 | 106       | 70-130        |
| Cumene                    | 91        | 70-130        |
| 1,1,2,2-Tetrachloroethane | 102       | 70-130        |
| Propylbenzene             | 98        | 70-130        |
| 4-Ethyltoluene            | 104       | 70-130        |
| 1,3,5-Trimethylbenzene    | 99        | 70-130        |
| 1,2,4-Trimethylbenzene    | 101       | 70-130        |
| 1,3-Dichlorobenzene       | 102       | 70-130        |
| 1,4-Dichlorobenzene       | 102       | 70-130        |
| alpha-Chlorotoluene       | 99        | 70-130        |
| 1,2-Dichlorobenzene       | 105       | 70-130        |
| 1,2,4-Trichlorobenzene    | 102       | 70-130        |
| Hexachlorobutadiene       | 101       | 70-130        |
| Naphthalene               | 101       | 60-140        |

Container Type: NA - Not Applicable

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

**EMSL Analytical, Inc.**

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

**Attention:** Gerald Paul  
 S&ME, Inc. [SMEI60]  
 3201 Spring Forest Road  
 Raleigh, NC 27616  
 (919) 872-2660  
 jpaul@smeinc.com

**EMSL Order ID:** 012542728**LIMS Reference ID:** AD42728**EMSL Customer ID:** SMEI60

**Project Name:** Durham Parks 23050630 - 821 - East Durham  
**Customer PO:**  
**EMSL Sales Rep:** Jason McDonald  
**Received:** 11/18/2025 12:20  
**Reported:** 12/04/2025 13:41

**Samples in this Report**

| Lab ID     | Sample     | Matrix | Date Sampled | Date Received |
|------------|------------|--------|--------------|---------------|
| AD42728-01 | 821-LFGP-3 | Air    | 11/17/2025   | 11/18/2025    |
| AD42728-02 | 821-LFGP-6 | Air    | 11/17/2025   | 11/18/2025    |

---

 Owen McKenna Laboratory Manager or other approved signatory

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

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted.

**EMSL Analytical, Inc.**

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

**Attention:** Gerald Paul  
S&ME, Inc. [SMEI60]  
3201 Spring Forest Road  
Raleigh, NC 27616  
(919) 872-2660  
jpaul@smeinc.com

**EMSL Order ID:** 012542728**LIMS Reference ID:** AD42728**EMSL Customer ID:** SMEI60**Project Name:** Durham Parks 23050630 - 821 - East Durham**Customer PO:****EMSL Sales Rep:** Jason McDonald**Received:** 11/18/2025 12:20**Reported:** 12/04/2025 13:41

## Analysis Case Narrative

### Method Reference

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

### Column

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

### Concentrator Traps:

2.0 cc Loop

### Gas Standards:

Certified Gas standards were used for all analyses.

### Sample Volumes:

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

### Sampling Pressures:

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

### Holding Times:

All holding times were met.

### Sample Pressures:

All samples received in summa canisters were slightly pressurized with UHP diluent and transferred to tedlar bags prior to analysis.

### Sample Pressures:

### Initial Calibration:

All acceptance criteria were met.

### Initial Calibration Verification Standard (ICVS)- Second Source:

All acceptance criteria were met.

### Laboratory Control Samples (LCS):

All acceptance criteria were met.

### Continuing Calibration Verification Standard (CCVS):

All acceptance criteria were met.

### Method Blanks (MB):

All acceptance criteria were met.

### Sample Duplicate:

All acceptance criteria were met.



**EMSL Analytical, Inc.**

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EMSL-CIN-01

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Raleigh, NC 27616  
(919) 872-2660  
jpaul@smeinc.com

**EMSL Order ID:** 012542728  
**LIMS Reference ID:** AD42728  
**EMSL Customer ID:** SMEI60

**Project Name:** Durham Parks 23050630 - 821 - East Durham  
**Customer PO:**  
**EMSL Sales Rep:** Jason McDonald  
**Received:** 11/18/2025 12:20  
**Reported:** 12/04/2025 13:41

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

---

Owen McKenna Laboratory Manager or other approved signatory

**EMSL Analytical, Inc.**

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

EMSL Order ID: 012542728

LIMS Reference ID: AD42728

EMSL Customer ID: SMEI60

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

**Project Name:** Durham Parks 23050630 - 821 - East Durham  
**Customer PO:**  
**EMSL Sales Rep:** Jason McDonald  
**Received:** 11/18/2025 12:20  
**Reported:** 12/04/2025 13:41

EMSL Sample ID: AD42728-01

Collected: 11/17/2025 16:10

Customer Sample ID: 821-LFGP-3

Received: 11/18/2025 12:20

| Analysis       | Prep Batch | Lab File ID | Canister ID | Sample Vol. | Dil. Factor | Analyst Init. |
|----------------|------------|-------------|-------------|-------------|-------------|---------------|
| 11/18/25 16:22 | BDK2010    | R1621.D     | tedlar      | 2 cc        | 1           | KW            |

**ASTM D5504-Sample Summary**

| Target Compounds                             | Cas#      | MW   | Result ppbv | RL ppbv | DF | Result ug/m3 | RL ug/m3 | Analyzed       | Q |
|--|-----------|------|-------------|---------|----|--------------|----------|----------------|---|
| Hydrogen Sulfide                             | 7783-06-4 | 34.1 | ND          | 10      | 1  | ND           | 14       | 11/18/25 16:22 |   |
| <b>Total Target Compound Concentrations:</b> |           |      | <b>0</b>    |         |    | <b>0</b>     |          |                |   |

**Threshold References**

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

**Reference**

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

**Agency Definitions**

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

**Method Reference**

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

**Exposure Limit Definitions**

PEL= Permissible Exposure Limit      TWA=Time Weighted Average      TLV=Threshold Limit Value  
 REL=Recommended Exposure Limit      NE= Not established

**EMSL Analytical, Inc.**

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

EMSL Order ID: 012542728

LIMS Reference ID: AD42728

EMSL Customer ID: SMEI60

**Attention:** Gerald Paul  
 S&ME, Inc. [SMEI60]  
 3201 Spring Forest Road  
 Raleigh, NC 27616  
 (919) 872-2660  
 jpaul@smeinc.com

**Project Name:** Durham Parks 23050630 - 821 - East Durham  
**Customer PO:**  
**EMSL Sales Rep:** Jason McDonald  
**Received:** 11/18/2025 12:20  
**Reported:** 12/04/2025 13:41

**EMSL Sample ID:** AD42728-02  
**Customer Sample ID:** 821-LFGP-6

**Collected:** 11/17/2025 15:55  
**Received:** 11/18/2025 12:20

| Analysis       | Prep Batch | Lab File ID | Canister ID | Sample Vol. | Dil. Factor | Analyst Init. |
|----------------|------------|-------------|-------------|-------------|-------------|---------------|
| 11/18/25 16:36 | BDK2010    | R1622.D     | tedlar      | 2 cc        | 1           | KW            |

**ASTM D5504-Sample Summary**

| Target Compounds                             | Cas#      | MW   | Result ppbv | RL ppbv | DF | Result ug/m3 | RL ug/m3 | Analyzed       | Q |
|--|-----------|------|-------------|---------|----|--------------|----------|----------------|---|
| Hydrogen Sulfide                             | 7783-06-4 | 34.1 | ND          | 10      | 1  | ND           | 14       | 11/18/25 16:36 |   |
| <b>Total Target Compound Concentrations:</b> |           |      | <b>0</b>    |         |    | <b>0</b>     |          |                |   |

**Threshold References**

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

**Reference**

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

**Agency Definitions**

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

**Method Reference**

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

**Exposure Limit Definitions**

PEL= Permissible Exposure Limit      TWA=Time Weighted Average      TLV=Threshold Limit Value  
 REL=Recommended Exposure Limit      NE= Not established

**EMSL Analytical, Inc.**

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

**EMSL Order ID:** 012542728**LIMS Reference ID:** AD42728**EMSL Customer ID:** SMEI60

**Attention:** Gerald Paul  
S&ME, Inc. [SMEI60]  
3201 Spring Forest Road  
Raleigh, NC 27616  
(919) 872-2660  
jpaul@smeinc.com

**Project Name:** Durham Parks 23050630 - 821 - East Durham  
**Customer PO:**  
**EMSL Sales Rep:** Jason McDonald  
**Received:** 11/18/2025 12:20  
**Reported:** 12/04/2025 13:41

### Notes and Definitions

| <b>Item</b>      | <b>Definition</b>  |
|------------------|--|
| <b>ND</b>        | Non Detect. This notation would be used in the results column in lieu of a "U" qualifier.  |
| <b>U</b>         | Compound was analyzed for but not detected at a listed and appropriately adjusted reporting level.   |
| <b>J(Target)</b> | Concentration estimated between Reporting Limit and MDL.   |
| <b>J</b>         | Estimated value reported below adjusted reporting limit for target compounds or estimating a concentration for TICs where a 1:1 response is assumed              |
| <b>B</b>         | Compound found in associated method blank as well as in the sample.  |
| <b>E</b>         | Estimated value exceeding upper calibration range of instrument. Ethanol and isopropyl alcohol are not specifically targeted to dilute within calibration range. |
| <b>D</b>         | Compound reported from additional diluted analysis.  |
| <b>N</b>         | indicates presumptive evidence of a compound based on library search match.  |

# Environmental Chemistry - Sampling Event Chain of Custody

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

EMSL Order Number / Lab Use Only  
**AD4228**

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

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

Project Name/Nc: **Durham Parks 23050630 - 821 - East Durham**

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)

PWS ID:  State Reporting Required?  Yes  No

Other (Specify):  Samples Received Chilled?  No  Yes

Client:  CLIENT

Sampled By Signature: *Brandon Governo*

Sampled By Name: **Brandon Governo**

Standard Turn-Around-Time:  2 Weeks  1 Week  4 Days  3 Days  2 Days  1 Day

The following TAT's are subject to Lab approval. Call lab to confirm TAT before submittal.

| Client Sample ID | Comp                     | Grab                                | Date / Time Collected | Matrix | Preservative | List Test(s) Needed: |         |         |         | Comments      |
|------------------|--------------------------|-------------------------------------|-----------------------|--------|--------------|----------------------|---------|---------|---------|---------------|
|                  |                          |                                     |                       |        |              | Test 1:              | Test 2: | Test 3: | Test 4: |               |
| 821-LF6P-3       | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 11-17 / 1610          | A      |              | X                    |         |         |         | LOW LEVEL H2S |
| 821-LF6P-6       | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 11-17 / 1555          | A      |              | X                    |         |         |         |               |
|                  | <input type="checkbox"/> | <input type="checkbox"/>            |                       |        |              |                      |         |         |         |               |
|                  | <input type="checkbox"/> | <input type="checkbox"/>            |                       |        |              |                      |         |         |         |               |

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

Reporting requirements:  Results Only  Results and QC  Reduced Deliverables  Hz results EDD  Excel  Other

Method of Shipment: **Fedex**

Relinquished by: **Brandon Governo**

Relinquished by: **Brandon Governo**

Date/Time: **11-17-25** 1710

Date/Time: **11/18/25** 1720

Received by: *Brandon Governo*

Received by: *Brandon Governo*

Received on Ice?

Check if Yes

Date/Time: **11/18/25**

Date/Time: **11/18/25**

**EMSL Analytical, Inc.**

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

**EMSL Order ID:** 012542222**LIMS Reference ID:** AD42222**EMSL Customer ID:** SMEI60

**Attention:** Gerald Paul  
 S&ME, Inc. [SMEI60]  
 3201 Spring Forest Road  
 Raleigh, NC 27616  
 (919) 872-2660  
 jpaul@smeinc.com

**Project Name:** City of Durham Parks-23050630 Ph. A (East Durham Park 821RI-12)  
**Customer PO:**  
**EMSL Sales Rep:** Jason McDonald  
**Received:** 11/14/2025 09:15  
**Reported:** 12/02/2025 17:12

**Samples in this Report**

| Lab ID     | Sample          | Matrix | Date Sampled | Date Received |
|------------|-----------------|--------|--------------|---------------|
| AD42222-01 | 821-LFGP-1      | Air    | 11/13/2025   | 11/14/2025    |
| AD42222-02 | 821-LFGP-2      | Air    | 11/13/2025   | 11/14/2025    |
| AD42222-03 | 821-LFGP-4      | Air    | 11/13/2025   | 11/14/2025    |
| AD42222-04 | 821-LFGP-5      | Air    | 11/13/2025   | 11/14/2025    |
| AD42222-05 | 821-LFGP-7      | Air    | 11/13/2025   | 11/14/2025    |
| AD42222-06 | 821-LFGP-8      | Air    | 11/13/2025   | 11/14/2025    |
| AD42222-07 | 821-LFGP-9      | Air    | 11/13/2025   | 11/14/2025    |
| AD42222-08 | 821-LFGP-DUP-01 | Air    | 11/13/2025   | 11/14/2025    |

---

Owen McKenna Laboratory Manager or other approved signatory

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

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted.

**EMSL Analytical, Inc.**

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EMSL-CIN-01

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

**EMSL Order ID:** 012542222**LIMS Reference ID:** AD42222**EMSL Customer ID:** SMEI60

**Project Name:** City of Durham Parks-23050630 Ph. A (East Durham Park 821RI-12)

**Customer PO:**

**EMSL Sales Rep:** Jason McDonald

**Received:** 11/14/2025 09:15

**Reported:** 12/02/2025 17:12

## Analysis Case Narrative

**Method Reference**

USEPA: Compendium TO-15, "Determination of Volatile Organic Compounds (VOCs) in Air..." Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS), January 1999, (EPA/625/R-96/010b).

**Column**

Restek RTX-502.2, 60m x 0.25mm x 1.4um

**Concentrator Traps:**

Entech Dual Cold Traps: (1) 1/8" No Packing, (2) 1/8" Tenax.

**Gas Standards:**

Certified Gas standards were used for all analyses.

**Sample Volumes:**

Sample volume aliquots for this procedure are 250cc for indoor/ambient air and 50cc for soil gas. Other volumes for sample dilutions are reflected on each result page.

**Sampling Pressures:**

All acceptance criteria were met.

**Holding Times:**

All holding times were met.

**Sample Dilutions:**

Ethanol and Isopropanol are not diluted for and may be reported with an "E" qualifier on the final result.

**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.

**Reporting Limit Laboratory Control Samples (MRL):**

All acceptance criteria were met.

**Duplicates (DUP):**

All acceptance criteria were met.

**Sample Internal Standards:**



**EMSL Analytical, Inc.**

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EMSL-CIN-01

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

**EMSL Order ID:** 012542222  
**LIMS Reference ID:** AD42222  
**EMSL Customer ID:** SMEI60

**Project Name:** City of Durham Parks-23050630 Ph. A (East Durham Park 821RI-12)  
**Customer PO:**  
**EMSL Sales Rep:** Jason McDonald  
**Received:** 11/14/2025 09:15  
**Reported:** 12/02/2025 17:12

All acceptance criteria were met.

**Sample Analytes:**

All acceptance criteria were met.

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

---

Owen McKenna Laboratory Manager or other approved signatory

**EMSL Analytical, Inc.**

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

EMSL Order ID: 012542222

LIMS Reference ID: AD42222

EMSL Customer ID: SMEI60

**Attention:** Gerald Paul  
 S&ME, Inc. [SMEI60]  
 3201 Spring Forest Road  
 Raleigh, NC 27616  
 (919) 872-2660  
 jpaul@smeinc.com

**Project Name:** City of Durham Parks-23050630 Ph. A (East Durham Park 821RI-12)  
**Customer PO:**  
**EMSL Sales Rep:** Jason McDonald  
**Received:** 11/14/2025 09:15  
**Reported:** 12/02/2025 17:12

EMSL Sample ID: AD42222-01

Collected: 11/13/2025 14:15

Customer Sample ID: 821-LFGP-1

Received: 11/14/2025 09:15

| Analysis       | Prep Batch | Lab File ID | Canister ID | Sample Vol. | Dil. Factor | Analyst Init. |
|----------------|------------|-------------|-------------|-------------|-------------|---------------|
| 11/14/25 15:45 | BDK1688    | R1591.D     | 821-LFGP-1  | 2 cc        | 1           | KW            |

**ASTM D5504-Sample Summary**

| Target Compounds                             | Cas#      | MW   | Result ppbv | RL ppbv | DF | Result ug/m3 | RL ug/m3 | Analyzed       | Q |
|--|-----------|------|-------------|---------|----|--------------|----------|----------------|---|
| Hydrogen Sulfide                             | 7783-06-4 | 34.1 | ND          | 10      | 1  | ND           | 14       | 11/14/25 15:45 |   |
| <b>Total Target Compound Concentrations:</b> |           |      | <b>0</b>    |         |    | <b>0</b>     |          |                |   |

**Threshold References**

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

**Reference**

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

**Agency Definitions**

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

**Method Reference**

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

**Exposure Limit Definitions**

PEL= Permissible Exposure Limit      TWA=Time Weighted Average      TLV=Threshold Limit Value  
 REL=Recommended Exposure Limit      NE= Not established

**EMSL Analytical, Inc.**

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

EMSL Order ID: 012542222

LIMS Reference ID: AD42222

EMSL Customer ID: SMEI60

**Attention:** Gerald Paul  
 S&ME, Inc. [SMEI60]  
 3201 Spring Forest Road  
 Raleigh, NC 27616  
 (919) 872-2660  
 jpaul@smeinc.com

**Project Name:** City of Durham Parks-23050630 Ph. A (East Durham Park 821RI-12)  
**Customer PO:**  
**EMSL Sales Rep:** Jason McDonald  
**Received:** 11/14/2025 09:15  
**Reported:** 12/02/2025 17:12

EMSL Sample ID: AD42222-02

Collected: 11/13/2025 15:35

Customer Sample ID: 821-LFGP-2

Received: 11/14/2025 09:15

| Analysis       | Prep Batch | Lab File ID | Canister ID | Sample Vol. | Dil. Factor | Analyst Init. |
|----------------|------------|-------------|-------------|-------------|-------------|---------------|
| 11/14/25 15:58 | BDK1688    | R1592.D     | 821-LFGP-2  | 2 cc        | 1           | KW            |

**ASTM D5504-Sample Summary**

| Target Compounds                             | Cas#      | MW   | Result ppbv | RL ppbv | DF | Result ug/m3 | RL ug/m3 | Analyzed       | Q |
|--|-----------|------|-------------|---------|----|--------------|----------|----------------|---|
| Hydrogen Sulfide                             | 7783-06-4 | 34.1 | ND          | 10      | 1  | ND           | 14       | 11/14/25 15:58 |   |
| <b>Total Target Compound Concentrations:</b> |           |      | <b>0</b>    |         |    | <b>0</b>     |          |                |   |

**Threshold References**

| Analyte          | Odor characteristics <sup>2</sup> | Lowest Validated Odor Threshold <sup>2</sup> | OSHA PEL (gen. Industry-ceiling) <sup>1</sup> | NIOSH REL (ceiling) <sup>1</sup> | ACGIH TLV (TWA) <sup>1</sup> |
|------------------|-----------------------------------|--|---|----------------------------------|------------------------------|
| 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 <sup>3</sup>          | 8 ppb  | NE  | NE                               | 10 ppm                       |

**Reference**

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

**Agency Definitions**

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

**Method Reference**

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

**Exposure Limit Definitions**

PEL= Permissible Exposure Limit      TWA=Time Weighted Average      TLV=Threshold Limit Value  
 REL=Recommended Exposure Limit      NE= Not established

**EMSL Analytical, Inc.**

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

EMSL Order ID: 012542222

LIMS Reference ID: AD42222

EMSL Customer ID: SMEI60

**Attention:** Gerald Paul  
 S&ME, Inc. [SMEI60]  
 3201 Spring Forest Road  
 Raleigh, NC 27616  
 (919) 872-2660  
 jpaul@smeinc.com

**Project Name:** City of Durham Parks-23050630 Ph. A (East Durham Park 821RI-12)  
**Customer PO:**  
**EMSL Sales Rep:** Jason McDonald  
**Received:** 11/14/2025 09:15  
**Reported:** 12/02/2025 17:12

EMSL Sample ID: AD42222-03

Collected: 11/13/2025 15:10

Customer Sample ID: 821-LFGP-4

Received: 11/14/2025 09:15

| Analysis       | Prep Batch | Lab File ID | Canister ID | Sample Vol. | Dil. Factor | Analyst Init. |
|----------------|------------|-------------|-------------|-------------|-------------|---------------|
| 11/14/25 16:10 | BDK1688    | R1593.D     | 821-LFGP-4  | 2 cc        | 1           | KW            |

**ASTM D5504-Sample Summary**

| Target Compounds                             | Cas#      | MW   | Result ppbv | RL ppbv | DF | Result ug/m3 | RL ug/m3 | Analyzed       | Q |
|--|-----------|------|-------------|---------|----|--------------|----------|----------------|---|
| Hydrogen Sulfide                             | 7783-06-4 | 34.1 | ND          | 10      | 1  | ND           | 14       | 11/14/25 16:10 |   |
| <b>Total Target Compound Concentrations:</b> |           |      | <b>0</b>    |         |    | <b>0</b>     |          |                |   |

**Threshold References**

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

**Reference**

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

**Agency Definitions**

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

**Method Reference**

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

**Exposure Limit Definitions**

PEL= Permissible Exposure Limit      TWA=Time Weighted Average      TLV=Threshold Limit Value  
 REL=Recommended Exposure Limit      NE= Not established

**EMSL Analytical, Inc.**

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

EMSL Order ID: 012542222

LIMS Reference ID: AD42222

EMSL Customer ID: SMEI60

**Attention:** Gerald Paul  
 S&ME, Inc. [SMEI60]  
 3201 Spring Forest Road  
 Raleigh, NC 27616  
 (919) 872-2660  
 jpaul@smeinc.com

**Project Name:** City of Durham Parks-23050630 Ph. A (East Durham Park 821RI-12)  
**Customer PO:**  
**EMSL Sales Rep:** Jason McDonald  
**Received:** 11/14/2025 09:15  
**Reported:** 12/02/2025 17:12

EMSL Sample ID: AD42222-04

Collected: 11/13/2025 14:50

Customer Sample ID: 821-LFGP-5

Received: 11/14/2025 09:15

| Analysis       | Prep Batch | Lab File ID | Canister ID | Sample Vol. | Dil. Factor | Analyst Init. |
|----------------|------------|-------------|-------------|-------------|-------------|---------------|
| 11/14/25 16:24 | BDK1688    | R1594.D     | 821-LFGP-5  | 2 cc        | 1           | KW            |

**ASTM D5504-Sample Summary**

| Target Compounds                             | Cas#      | MW   | Result ppbv | RL ppbv | DF | Result ug/m3 | RL ug/m3 | Analyzed       | Q |
|--|-----------|------|-------------|---------|----|--------------|----------|----------------|---|
| Hydrogen Sulfide                             | 7783-06-4 | 34.1 | ND          | 10      | 1  | ND           | 14       | 11/14/25 16:24 |   |
| <b>Total Target Compound Concentrations:</b> |           |      | <b>0</b>    |         |    | <b>0</b>     |          |                |   |

**Threshold References**

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

**Reference**

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

**Agency Definitions**

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

**Method Reference**

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

**Exposure Limit Definitions**

PEL= Permissible Exposure Limit      TWA=Time Weighted Average      TLV=Threshold Limit Value  
 REL=Recommended Exposure Limit      NE= Not established

**EMSL Analytical, Inc.**

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

EMSL Order ID: 012542222

LIMS Reference ID: AD42222

EMSL Customer ID: SMEI60

**Attention:** Gerald Paul  
 S&ME, Inc. [SMEI60]  
 3201 Spring Forest Road  
 Raleigh, NC 27616  
 (919) 872-2660  
 jpaul@smeinc.com

**Project Name:** City of Durham Parks-23050630 Ph. A (East Durham Park 821RI-12)  
**Customer PO:**  
**EMSL Sales Rep:** Jason McDonald  
**Received:** 11/14/2025 09:15  
**Reported:** 12/02/2025 17:12

EMSL Sample ID: AD42222-05

Collected: 11/13/2025 14:50

Customer Sample ID: 821-LFGP-7

Received: 11/14/2025 09:15

| Analysis       | Prep Batch | Lab File ID | Canister ID | Sample Vol. | Dil. Factor | Analyst Init. |
|----------------|------------|-------------|-------------|-------------|-------------|---------------|
| 11/14/25 16:37 | BDK1688    | R1595.D     | 821-LFGP-7  | 2 cc        | 1           | KW            |

**ASTM D5504-Sample Summary**

| Target Compounds                             | Cas#      | MW   | Result ppbv | RL ppbv | DF | Result ug/m3 | RL ug/m3 | Analyzed       | Q |
|--|-----------|------|-------------|---------|----|--------------|----------|----------------|---|
| Hydrogen Sulfide                             | 7783-06-4 | 34.1 | ND          | 10      | 1  | ND           | 14       | 11/14/25 16:37 |   |
| <b>Total Target Compound Concentrations:</b> |           |      | <b>0</b>    |         |    | <b>0</b>     |          |                |   |

**Threshold References**

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

**Reference**

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

**Agency Definitions**

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

**Method Reference**

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

**Exposure Limit Definitions**

PEL= Permissible Exposure Limit      TWA=Time Weighted Average      TLV=Threshold Limit Value  
 REL=Recommended Exposure Limit      NE= Not established

**EMSL Analytical, Inc.**

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

EMSL Order ID: 012542222

LIMS Reference ID: AD42222

EMSL Customer ID: SMEI60

**Attention:** Gerald Paul  
 S&ME, Inc. [SMEI60]  
 3201 Spring Forest Road  
 Raleigh, NC 27616  
 (919) 872-2660  
 jpaul@smeinc.com

**Project Name:** City of Durham Parks-23050630 Ph. A (East Durham Park 821RI-12)  
**Customer PO:**  
**EMSL Sales Rep:** Jason McDonald  
**Received:** 11/14/2025 09:15  
**Reported:** 12/02/2025 17:12

EMSL Sample ID: AD42222-06

**Collected:** 11/13/2025 14:25

Customer Sample ID: 821-LFGP-8

**Received:** 11/14/2025 09:15

| Analysis       | Prep Batch | Lab File ID | Canister ID | Sample Vol. | Dil. Factor | Analyst Init. |
|----------------|------------|-------------|-------------|-------------|-------------|---------------|
| 11/14/25 16:52 | BDK1688    | R1596.D     | 821-LFGP-8  | 2 cc        | 1           | KW            |

**ASTM D5504-Sample Summary**

| Target Compounds                             | Cas#      | MW   | Result ppbv | RL ppbv | DF | Result ug/m3 | RL ug/m3 | Analyzed       | Q |
|--|-----------|------|-------------|---------|----|--------------|----------|----------------|---|
| Hydrogen Sulfide                             | 7783-06-4 | 34.1 | ND          | 10      | 1  | ND           | 14       | 11/14/25 16:52 |   |
| <b>Total Target Compound Concentrations:</b> |           |      | <b>0</b>    |         |    | <b>0</b>     |          |                |   |

**Threshold References**

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

**Reference**

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

**Agency Definitions**

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

**Method Reference**

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

**Exposure Limit Definitions**

PEL= Permissible Exposure Limit      TWA=Time Weighted Average      TLV=Threshold Limit Value  
 REL=Recommended Exposure Limit      NE= Not established

**EMSL Analytical, Inc.**

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

EMSL Order ID: 012542222

LIMS Reference ID: AD42222

EMSL Customer ID: SMEI60

**Attention:** Gerald Paul  
 S&ME, Inc. [SMEI60]  
 3201 Spring Forest Road  
 Raleigh, NC 27616  
 (919) 872-2660  
 jpaul@smeinc.com

**Project Name:** City of Durham Parks-23050630 Ph. A (East Durham Park 821RI-12)  
**Customer PO:**  
**EMSL Sales Rep:** Jason McDonald  
**Received:** 11/14/2025 09:15  
**Reported:** 12/02/2025 17:12

EMSL Sample ID: AD42222-07

Collected: 11/13/2025 15:05

Customer Sample ID: 821-LFGP-9

Received: 11/14/2025 09:15

| Analysis       | Prep Batch | Lab File ID | Canister ID | Sample Vol. | Dil. Factor | Analyst Init. |
|----------------|------------|-------------|-------------|-------------|-------------|---------------|
| 11/14/25 17:05 | BDK1688    | R1597.D     | 821-LFGP-9  | 2 cc        | 1           | KW            |

**ASTM D5504-Sample Summary**

| Target Compounds                             | Cas#      | MW   | Result ppbv | RL ppbv | DF | Result ug/m3 | RL ug/m3 | Analyzed       | Q |
|--|-----------|------|-------------|---------|----|--------------|----------|----------------|---|
| Hydrogen Sulfide                             | 7783-06-4 | 34.1 | ND          | 10      | 1  | ND           | 14       | 11/14/25 17:05 |   |
| <b>Total Target Compound Concentrations:</b> |           |      | <b>0</b>    |         |    | <b>0</b>     |          |                |   |

**Threshold References**

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

**Reference**

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

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**Method Reference**

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

**Exposure Limit Definitions**

PEL= Permissible Exposure Limit      TWA=Time Weighted Average      TLV=Threshold Limit Value  
 REL=Recommended Exposure Limit      NE= Not established

**EMSL Analytical, Inc.**

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

EMSL Order ID: 012542222

LIMS Reference ID: AD42222

EMSL Customer ID: SMEI60

**Attention:** Gerald Paul  
 S&ME, Inc. [SMEI60]  
 3201 Spring Forest Road  
 Raleigh, NC 27616  
 (919) 872-2660  
 jpaul@smeinc.com

**Project Name:** City of Durham Parks-23050630 Ph. A (East Durham Park 821RI-12)  
**Customer PO:**  
**EMSL Sales Rep:** Jason McDonald  
**Received:** 11/14/2025 09:15  
**Reported:** 12/02/2025 17:12

EMSL Sample ID: AD42222-08

Collected: 11/13/2025 00:00

Customer Sample ID: 821-LFGP-DUP-01

Received: 11/14/2025 09:15

| Analysis       | Prep Batch | Lab File ID | Canister ID     | Sample Vol. | Dil. Factor | Analyst Init. |
|----------------|------------|-------------|-----------------|-------------|-------------|---------------|
| 11/14/25 17:19 | BDK1688    | R1598.D     | 821-LFGP-DUP-01 | 2 cc        | 1           | KW            |

**ASTM D5504-Sample Summary**

| Target Compounds                             | Cas#      | MW   | Result ppbv | RL ppbv | DF | Result ug/m3 | RL ug/m3 | Analyzed       | Q |
|--|-----------|------|-------------|---------|----|--------------|----------|----------------|---|
| Hydrogen Sulfide                             | 7783-06-4 | 34.1 | ND          | 10      | 1  | ND           | 14       | 11/14/25 17:19 |   |
| <b>Total Target Compound Concentrations:</b> |           |      | <b>0</b>    |         |    | <b>0</b>     |          |                |   |

**Threshold References**

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

**Reference**

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

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 ACGIH=American Conference of Governmental Industrial Hygienists

**Method Reference**

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**Exposure Limit Definitions**

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 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

**Attention:** Gerald Paul  
S&ME, Inc. [SMEI60]  
3201 Spring Forest Road  
Raleigh, NC 27616  
(919) 872-2660  
jpaul@smeinc.com

**EMSL Order ID:** 012542222**LIMS Reference ID:** AD42222**EMSL Customer ID:** SMEI60

**Project Name:** City of Durham Parks-23050630 Ph. A (East Durham Park 821RI-12)

**Customer PO:**

**EMSL Sales Rep:** Jason McDonald

**Received:** 11/14/2025 09:15

**Reported:** 12/02/2025 17:12

### Notes and Definitions

| <b>Item</b>      | <b>Definition</b>  |
|------------------|--|
| <b>ND</b>        | Non Detect. This notation would be used in the results column in lieu of a "U" qualifier.  |
| <b>U</b>         | Compound was analyzed for but not detected at a listed and appropriately adjusted reporting level.   |
| <b>J(Target)</b> | Concentration estimated between Reporting Limit and MDL.   |
| <b>J</b>         | Estimated value reported below adjusted reporting limit for target compounds or estimating a concentration for TICs where a 1:1 response is assumed              |
| <b>B</b>         | Compound found in associated method blank as well as in the sample.  |
| <b>E</b>         | Estimated value exceeding upper calibration range of instrument. Ethanol and isopropyl alcohol are not specifically targeted to dilute within calibration range. |
| <b>D</b>         | Compound reported from additional diluted analysis.  |
| <b>N</b>         | indicates presumptive evidence of a compound based on library search match.  |



**Environmental Chemistry - Sampling Event**  
**Chain of Custody**

EMSL Order Number / Lab Use Only  
 012542222 012542222

EMSL Analytical, Inc.  
 200 Rt. 130 N  
 Cinnaminson, NJ 08077  
 PHONE: (900) 220-3675  
 EMAIL: EnvChemistry2@EMSL.com

**Customer Information**

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

**Billing Information**

Billing ID:   
 Company Name:   
 Billing Contact:   
 Street Address:   
 City, State, Zip:   
 Phone:   
 Email(s) for Invoice:   
 Order: **Purchase**  
 State of Connecticut (CT) must select project location:  
 Commercial (Taxable)  Residential (Non-Taxable)   
 State Reporting Required?  Yes  No

Project Name/No: **City of Durham Parks - 23050630 Ph. A (East Durham Park 821RI-12)**

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

Samples for Compliance?  Yes  No  If Yes, for NPDES?  Yes  No  Other (Specify)   
 Samples Collected by (Check One):  EMSL  CLIENT  Samples Received Chilled?  Yes  No  Other (Specify)   
 Sampled By Name: **Logan Hester**  CLIENT  Samples Received Chilled?  Yes  No  Other (Specify)   
 Sampled By Signature: *[Signature]*  Yes  No  Other (Specify)   
 Turn-Around-Time (TAT)  Standard Turn-Around-Time: **2 Weeks**  1 Week  4 Days  3 Days  2 Days  1 Day

The following TAT's are subject to Lab approval. Call lab to confirm TAT before submittal.

| Client Sample ID | Comp                     | Grab                                | Date / Time Collected | Matrix | Preservative   | List Test(s) Needed: | Field pH | Field pH Test Time | Field Temp. Deg. C | Field Temp. Test Time | Comments  |
|------------------|--------------------------|-------------------------------------|-----------------------|--------|--|----------------------|----------|--------------------|--------------------|-----------------------|---|
| 821-LFGR-1       | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 11-13-25              | A      | 1-HCL<br>2-HNO3<br>3-H2SO4<br>4=ICE<br>5=Other<br>Describe below in Special Instructions | ASTM D5504           |          |                    |                    |                       | LOW Level H2S   |
| 821-LFGR-2       | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 11-13-25              | A      |  |                      |          |                    |                    |                       | bag empty - appears that bottom seal is open for 11/14/25 |
| 821-LFGR-3       | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 11-13-25              | A      |  |                      |          |                    |                    |                       |   |
| 821-LFGR-4       | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 11-13-25              | A      |  |                      |          |                    |                    |                       |   |

Reporting requirements:  Results Only  Results and QC  Reduced Deliverables  H2results EDD  Excel  Other

Method of Shipment: **FedEx**  Results Only  Results and QC  Reduced Deliverables  H2results EDD  Excel  Other

Relinquished by: *[Signature]* Date/Time: **11-13-25** Received by: **Stuulus** Date/Time: **11/14/25 0915**

Relinquished by: *[Signature]* Date/Time: **11-13-25** Received by: **Verly AIR TOXICS** Date/Time: **11/14/25 0950**



EMSL ANALYTICAL, INC.

# Environmental Chemistry - Sampling Event

## Chain of Custody

EMSL Order Number / Lab Use Only  
**012542222**

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

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

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

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

24-h hold

| Client Sample ID                    | Comp                     | Grab                                | Date / Time Collected | Matrix<br>DW=Drinking Water<br>WW=Wastewater<br>S=Soil<br>A=Air<br>SL=Sludge<br>O=Other | Preservative<br>1-HCl<br>2-HNO3<br>3-H2SO4<br>4-ICE<br>5-Other<br>Describe below in Special Instructions | List Test(s) Needed:<br>In test below, then record # of bottles for each test in box |         |         |   | Field |              |                     | Comments                 |   |
|-------------------------------------|--------------------------|-------------------------------------|-----------------------|---|--|--|---------|---------|---|-------|--------------|---------------------|--------------------------|---|
|                                     |                          |                                     |                       |   |  | Test 1:  | Test 2: | Test 3: | Test 4:                                   | pH    | pH Test Time | Temp. Deg. C        |                          | Temp. Test Time                               |
| B21-LFGP-5                          | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 1450                  | A   |  | X  |         |         |   |       |              |                     |                          | low level                                     |
| B21-LFGP-6                          | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 1440                  |   |  | X  |         |         |   |       |              |                     |                          | rec'd empty. No analysis clear issue w/ bag w |
| B21-LFGP-7                          | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 1430                  |   |  | X  |         |         |   |       |              |                     |                          |   |
| B21-LFGP-8                          | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 1425                  |   |  | X  |         |         |   |       |              |                     |                          |   |
| B21-LFGP-9                          | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 1505                  |   |  | X  |         |         |   |       |              |                     |                          |   |
| B21-LFGP-DR-01                      | <input type="checkbox"/> | <input checked="" type="checkbox"/> |                       |   |  | X  |         |         |   |       |              |                     |                          |   |
| Method of Shipment: <b>FedEx</b>    |                          |                                     |                       | Sample Condition Upon Receipt:  |  |  |         |         |   |       |              |                     |                          |   |
| Relinquished by: <i>[Signature]</i> |                          |                                     |                       | Date/Time: 11-13-25   | Received by: <b>Shawler</b>  |  |         |         | Received on Ice? <input type="checkbox"/> |       |              | Date/Time: 11/14/25 | Date/Time: 11/14/25 0950 |   |
| Relinquished by: <i>[Signature]</i> |                          |                                     |                       | Date/Time:  | Received by: <b>Kulky</b>  |  |         |         | Received on Ice? <input type="checkbox"/> |       |              | Date/Time:          | Date/Time: 11/14/25 0950 |   |

RECEIVED  
EMSL  
CINNAMINSON, N.J.  
2025 NOV 14 A 9 24

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

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



**EMSL Analytical, Inc.**

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

EMSL Order ID: 012543478

LIMS Reference ID: AD43478

EMSL Customer ID: SMEI60

**Attention:** Gerald Paul  
 S&ME, Inc. [SMEI60]  
 3201 Spring Forest Road  
 Raleigh, NC 27616  
 (919) 872-2660  
 jpaul@smeinc.com

**Project Name:** City of Durham Parks - 23050630 - East Durham  
 (821) Phase A

**Project ID:** \_Master Project-SMEI60

**Customer PO:**

**Sales Rep:** Jason McDonald

**Received:** 11/25/2025 12:00

**Reported:** 12/10/2025 14:05

### Analytical Results

| Analyte | Result | Q | DF | RL | Units | Prepared Date/Time | Analyzed Date/Time | Analyst Initials | Prep /Analytical Method |
|---------|--------|---|----|----|-------|--------------------|--------------------|------------------|-------------------------|
|---------|--------|---|----|----|-------|--------------------|--------------------|------------------|-------------------------|

Sample: 821-LFGP-5 Lims Reference ID: AD43478-01 Matrix: Tubes Sampled: 11/13/25 13:14:00

**Metals**

|         |    |  |   |      |       |                |                |    |            |
|---------|----|--|---|------|-------|----------------|----------------|----|------------|
| Mercury | ND |  | 1 | 0.81 | µg/m³ | 12/01/25 11:08 | 12/01/25 14:57 | SD | NIOSH 6009 |
|---------|----|--|---|------|-------|----------------|----------------|----|------------|

Sample: 821-LFGP-DUP-01 Lims Reference ID: AD43478-02 Matrix: Tubes Sampled: 11/13/25 13:14:00

**Metals**

|         |    |  |   |      |       |                |                |    |            |
|---------|----|--|---|------|-------|----------------|----------------|----|------------|
| Mercury | ND |  | 1 | 0.81 | µg/m³ | 12/01/25 11:08 | 12/01/25 14:59 | SD | NIOSH 6009 |
|---------|----|--|---|------|-------|----------------|----------------|----|------------|

Sample: 821-LFGP-1 Lims Reference ID: AD43478-03 Matrix: Tubes Sampled: 11/13/25 13:18:00

**Metals**

|         |    |  |   |      |       |                |                |    |            |
|---------|----|--|---|------|-------|----------------|----------------|----|------------|
| Mercury | ND |  | 1 | 0.88 | µg/m³ | 12/01/25 11:08 | 12/01/25 15:02 | SD | NIOSH 6009 |
|---------|----|--|---|------|-------|----------------|----------------|----|------------|

Sample: 821-LFGP-9 Lims Reference ID: AD43478-04 Matrix: Tubes Sampled: 11/13/25 13:21:00

**Metals**

|         |    |  |   |      |       |                |                |    |            |
|---------|----|--|---|------|-------|----------------|----------------|----|------------|
| Mercury | ND |  | 1 | 0.82 | µg/m³ | 12/01/25 11:08 | 12/01/25 15:13 | SD | NIOSH 6009 |
|---------|----|--|---|------|-------|----------------|----------------|----|------------|

Sample: 821-LFGP-4 Lims Reference ID: AD43478-05 Matrix: Tubes Sampled: 11/13/25 13:46:00

**Metals**

|         |    |  |   |      |       |                |                |    |            |
|---------|----|--|---|------|-------|----------------|----------------|----|------------|
| Mercury | ND |  | 1 | 0.83 | µg/m³ | 12/01/25 11:08 | 12/01/25 15:15 | SD | NIOSH 6009 |
|---------|----|--|---|------|-------|----------------|----------------|----|------------|

Sample: 821-LFGP-2 Lims Reference ID: AD43478-06 Matrix: Tubes Sampled: 11/13/25 14:35:00

**Metals**

|         |    |  |   |      |       |                |                |    |            |
|---------|----|--|---|------|-------|----------------|----------------|----|------------|
| Mercury | ND |  | 1 | 0.85 | µg/m³ | 12/01/25 11:08 | 12/01/25 15:18 | SD | NIOSH 6009 |
|---------|----|--|---|------|-------|----------------|----------------|----|------------|

Sample: 821-LFGP-3 Lims Reference ID: AD43478-07 Matrix: Tubes Sampled: 11/14/25 11:06:00

**Metals**

|         |    |  |   |      |       |                |                |    |            |
|---------|----|--|---|------|-------|----------------|----------------|----|------------|
| Mercury | ND |  | 1 | 0.83 | µg/m³ | 12/01/25 11:08 | 12/01/25 15:20 | SD | NIOSH 6009 |
|---------|----|--|---|------|-------|----------------|----------------|----|------------|

Sample: 821-LFGP-6 Lims Reference ID: AD43478-08 Matrix: Tubes Sampled: 11/14/25 10:57:00

**Metals**

|         |    |  |   |      |       |                |                |    |            |
|---------|----|--|---|------|-------|----------------|----------------|----|------------|
| Mercury | ND |  | 1 | 0.83 | µg/m³ | 12/01/25 11:08 | 12/01/25 15:23 | SD | NIOSH 6009 |
|---------|----|--|---|------|-------|----------------|----------------|----|------------|

Sample: 821-LFGP-7 Lims Reference ID: AD43478-09 Matrix: Tubes Sampled: 11/14/25 10:45:00

**Metals**



**EMSL Analytical, Inc.**

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

EMSL Order ID: 012543478

LIMS Reference ID: AD43478

EMSL Customer ID: SMEI60

**Attention:** Gerald Paul  
S&ME, Inc. [SMEI60]  
3201 Spring Forest Road  
Raleigh, NC 27616  
(919) 872-2660  
jpaul@smeinc.com

**Project Name:** City of Durham Parks - 23050630 - East Durham  
(821) Phase A

**Project ID:** \_Master Project-SMEI60

**Customer PO:**

**Sales Rep:** Jason McDonald

**Received:** 11/25/2025 12:00

**Reported:** 12/10/2025 14:05

**Analytical Results**  
(Continued)

| Analyte | Result | Q | DF | RL | Units | Prepared Date/Time | Analyzed Date/Time | Analyst Initials | Prep /Analytical Method |
|---------|--------|---|----|----|-------|--------------------|--------------------|------------------|-------------------------|
|---------|--------|---|----|----|-------|--------------------|--------------------|------------------|-------------------------|

Sample: 821-LFGP-7 (Continued) Lims Reference ID: AD43478-09 Matrix: Tubes Sampled: 11/14/25 10:45:00

**Metals (Continued)**

|         |    |  |   |      |       |                |                |    |            |
|---------|----|--|---|------|-------|----------------|----------------|----|------------|
| Mercury | ND |  | 1 | 0.83 | µg/m³ | 12/01/25 11:08 | 12/01/25 15:25 | SD | NIOSH 6009 |
|---------|----|--|---|------|-------|----------------|----------------|----|------------|

Sample: 821-LFGP-8 Lims Reference ID: AD43478-10 Matrix: Tubes Sampled: 11/14/25 10:43:00

**Metals**

|         |    |  |   |      |       |                |                |    |            |
|---------|----|--|---|------|-------|----------------|----------------|----|------------|
| Mercury | ND |  | 1 | 0.83 | µg/m³ | 12/01/25 11:08 | 12/01/25 15:28 | SD | NIOSH 6009 |
|---------|----|--|---|------|-------|----------------|----------------|----|------------|



**EMSL Analytical, Inc.**

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

EMSL Order ID: 012543478

LIMS Reference ID: AD43478

EMSL Customer ID: SMEI60

**Attention:** Gerald Paul  
S&ME, Inc. [SMEI60]  
3201 Spring Forest Road  
Raleigh, NC 27616  
(919) 872-2660  
jpaul@smeinc.com

**Project Name:** City of Durham Parks - 23050630 - East Durham  
(821) Phase A

**Project ID:** \_Master Project-SMEI60

**Customer PO:**

**Sales Rep:** Jason McDonald

**Received:** 11/25/2025 12:00

**Reported:** 12/10/2025 14:05

**Certified Analyses included in this Report**

| Analyte                    | Certifications |
|----------------------------|----------------|
| <b>NIOSH 6009 in Tubes</b> |                |
| Mercury                    | A2LA,AIHA LAP  |

**List of Certifications**

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

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



**EMSL Analytical, Inc.**

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

EMSL Order ID: 012543478

LIMS Reference ID: AD43478

EMSL Customer ID: SMEI60

**Attention:** Gerald Paul  
S&ME, Inc. [SMEI60]  
3201 Spring Forest Road  
Raleigh, NC 27616  
(919) 872-2660  
jpaul@smeinc.com

**Project Name:** City of Durham Parks - 23050630 - East Durham  
(821) Phase A  
**Project ID:** \_Master Project-SMEI60  
**Customer PO:**  
**Sales Rep:** Jason McDonald  
**Received:** 11/25/2025 12:00  
**Reported:** 12/10/2025 14:05

**Notes and Definitions**

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

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

Owen McKenna Laboratory Manager or other approved signatory

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.  
TESTING LABS • PRODUCTS • TRAINING

### Industrial Hygiene - Chain of Custody

EMSL Order Number / Lab Use Only

AD 43278

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

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

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

|  |                                       |                            |                                       |
|--|---------------------------------------|----------------------------|---------------------------------------|
| <b>Customer Information</b>  |                                       | <b>Billing Information</b> |                                       |
| Customer ID:   | Company Name: S&ME                    | Billing ID:                | Company Name: S&ME                    |
| Contact Name: Gerald Paul  | Street Address: 3201 Spring Forest Rd | Billing Contact:           | Street Address: 3201 Spring Forest Rd |
| City, State, Zip: Raleigh, NC 27616  | Country: US                           | City, State, Zip:          | Country:                              |
| Phone: 919-801-5359 / 919-872-2660   |                                       | Phone:                     |                                       |
| Email(s) for Report: jpaul@smeinc.com / lhester@smeinc.com                   |                                       | Email(s) for Invoice:      |                                       |
| Project Name/No: City of Durham Parks - 23050630 - East Durham (821) PHASE A |                                       | Purchase Order:            |                                       |

|  |                                      |  |
|--|--------------------------------------|--|
| EMSL LIMS Project ID: (if applicable, EMSL will provide) | US State where samples collected: NC | State of Connected (CT) must select project location: <input type="checkbox"/> Commercial (Taxable) <input type="checkbox"/> Residential (Non-Taxable) |
| Media Type: Air  | Media Manufacturer/Part Number:      | Media Lot Number:  |
| Sampled By Name: Logan Harty                             | Sampled By Signature: [Signature]    | No. Samples in Shipment: 10  |

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 |      | Volume/Area | Sample Type                            |  | Sample Date | Comments |
|------------------|----------------------|----------------------|-------|------------|-------------|------|-------------|--|--|-------------|----------|
|                  |                      |                      |       |            | On          | Off  |             | Area Personal                          | Area Personal                          |             |          |
| 821-15BR-5       |                      | NIOSH 6009 - mercury |       |            | 1314        | 1416 |             | <input type="checkbox"/> Area Personal | <input type="checkbox"/> Area Personal | 11-13-25    |          |
| 821-15BR-DP-01   |                      |                      |       |            | 1314        | 1416 |             | <input type="checkbox"/> Area Personal | <input type="checkbox"/> Area Personal |             |          |
| 821-15BR-1       |                      |                      |       |            | 1310        | 1415 |             | <input type="checkbox"/> Area Personal | <input type="checkbox"/> Area Personal |             |          |
| 821-15BR-A       |                      |                      |       |            | 1321        | 1422 |             | <input type="checkbox"/> Area Personal | <input type="checkbox"/> Area Personal |             |          |
| 821-15BR-4       |                      |                      |       |            | 1301        | 1406 |             | <input type="checkbox"/> Area Personal | <input type="checkbox"/> Area Personal |             |          |
| 821-15BR-2       |                      |                      |       |            | 1435        | 1534 |             | <input type="checkbox"/> Area Personal | <input type="checkbox"/> Area Personal |             |          |

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)  
 NIOSH 6009 mercury - sorbent tube sampling

Method of Shipment: FedEx

Relinquished by: [Signature]

Received by: [Signature]

Date/Time: 11/25/05 12pm

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

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

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



EMSL ANALYTICAL, INC.  
TESTING LABS • PRODUCTS • TRAINING

**Industrial Hygiene - Chain of Custody**

EMSL Order Number / Lab Use Only  
**AD43478**

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.)  
**Emx Durham - 821**

| Client Sample ID    | Location/Description | Analyte/Method       | Media        | Flow (lpm) | Sample Time |            | Volume/Area                    | Sample Type                   |                                   | Sample Date | Comments |
|---------------------|----------------------|----------------------|--------------|------------|-------------|------------|--------------------------------|-------------------------------|-----------------------------------|-------------|----------|
|                     |                      |                      |              |            | On          | Off        |                                | Area                          | Personal                          |             |          |
| 821-LFR-3           |                      | NIOSH 6009 - mercury | Sorbent Tube |            | 1106        | 1206       |                                | <input type="checkbox"/> Area | <input type="checkbox"/> Personal | 11-14-25    |          |
| 821-LFR-6           |                      |                      |              |            | 1057        | 1157       |                                | <input type="checkbox"/> Area | <input type="checkbox"/> Personal |             |          |
| 821-LFR-7           |                      |                      |              |            | 1045        | 1145       |                                | <input type="checkbox"/> Area | <input type="checkbox"/> Personal |             |          |
| 821-LFR-8           |                      |                      |              |            | 1043        | 1143       |                                | <input type="checkbox"/> Area | <input type="checkbox"/> Personal |             |          |
|                     |                      |                      |              |            |             |            |                                | <input type="checkbox"/> Area | <input type="checkbox"/> Personal |             |          |
|                     |                      |                      |              |            |             |            |                                | <input type="checkbox"/> Area | <input type="checkbox"/> Personal |             |          |
|                     |                      |                      |              |            |             |            |                                | <input type="checkbox"/> Area | <input type="checkbox"/> Personal |             |          |
|                     |                      |                      |              |            |             |            |                                | <input type="checkbox"/> Area | <input type="checkbox"/> Personal |             |          |
|                     |                      |                      |              |            |             |            |                                | <input type="checkbox"/> Area | <input type="checkbox"/> Personal |             |          |
|                     |                      |                      |              |            |             |            |                                | <input type="checkbox"/> Area | <input type="checkbox"/> Personal |             |          |
|                     |                      |                      |              |            |             |            |                                | <input type="checkbox"/> Area | <input type="checkbox"/> Personal |             |          |
|                     |                      |                      |              |            |             |            |                                | <input type="checkbox"/> Area | <input type="checkbox"/> Personal |             |          |
|                     |                      |                      |              |            |             |            |                                | <input type="checkbox"/> Area | <input type="checkbox"/> Personal |             |          |
|                     |                      |                      |              |            |             |            |                                | <input type="checkbox"/> Area | <input type="checkbox"/> Personal |             |          |
|                     |                      |                      |              |            |             |            |                                | <input type="checkbox"/> Area | <input type="checkbox"/> Personal |             |          |
| Method of Shipment: |                      |                      |              |            |             |            |                                |                               |                                   |             |          |
|                     |                      |                      |              |            |             |            | Sample Condition Upon Receipt: |                               |                                   |             |          |
| Relinquished by:    | FedEx                |                      |              |            |             | Date/Time: | Received by:                   |                               | Date/Time:                        |             |          |
| Relinquished by:    |                      |                      |              |            |             | Date/Time: | Received by:                   |                               | Date/Time:                        |             |          |

Controlled Document - CQC-21 Industrial Hygiene RA 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.

**Analytical Report**

12/5/2025

Mr. Logan Hester

S & ME, Inc.

3201 Spring Forest Road

Raleigh NC 27616

Project Name: Durham Parks

Project #: 65000581

Workorder #: 2511535B

Dear Mr. Logan Hester

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

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

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

Regards,



Brian Whittaker

Project Manager

**WORK ORDER #: 2511535B**

Work Order Summary

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

| <u>FRACTION #</u> | <u>NAME</u>     | <u>TEST</u>          | <u>RECEIPT<br/>VAC./PRES.</u> | <u>FINAL<br/>PRESSURE</u> |
|-------------------|-----------------|----------------------|-------------------------------|---------------------------|
| 01A               | 821-LFGP-9      | Modified ASTM D-1946 | 6.1 "Hg                       | 1.9 psi                   |
| 02A               | 821-LFGP-4      | Modified ASTM D-1946 | 12 "Hg                        | 2.3 psi                   |
| 03A               | 821-LFGP-2      | Modified ASTM D-1946 | 9.2 "Hg                       | 1.9 psi                   |
| 04A               | 821-LFGP-5      | Modified ASTM D-1946 | 7.8 "Hg                       | 2 psi                     |
| 05A               | 821-LFGP-DUP-01 | Modified ASTM D-1946 | 8.8 "Hg                       | 2 psi                     |
| 06A               | 821-LFGP-1      | Modified ASTM D-1946 | 10.4 "Hg                      | 2 psi                     |
| 07A               | 821-LFGP-3      | Modified ASTM D-1946 | 9 "Hg                         | 1.7 psi                   |
| 08A               | 821-LFGP-6      | Modified ASTM D-1946 | 8.6 "Hg                       | 1.9 psi                   |
| 09A               | 821-LFGP-7      | Modified ASTM D-1946 | 6.9 "Hg                       | 2 psi                     |
| 10A               | 821-LFGP-8      | Modified ASTM D-1946 | 8.4 "Hg                       | 1.9 psi                   |
| 11A               | Lab Blank       | Modified ASTM D-1946 | NA                            | NA                        |
| 12A               | CCV             | Modified ASTM D-1946 | NA                            | NA                        |
| 13A               | LCS             | Modified ASTM D-1946 | NA                            | NA                        |
| 13AA              | LCSD            | Modified ASTM D-1946 | NA                            | NA                        |

CERTIFIED BY:   
 Technical Director

DATE: 12/05/25

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

**LABORATORY NARRATIVE**  
**Modified ASTM D-1946**  
**S & ME, Inc.**  
**Workorder# 2511535B**

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

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

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

**Receiving Notes**

The Chain of Custody (COC) information for sample 821-LFGP-2 did not match the information on the canister with regard to canister barcode. The sample labeled 6L27429 on the COC is labeled as 6L0957 on the canister. The client was notified of the discrepancy and the information on the canister was used to process and report the sample.

**Analytical Notes**

There were no analytical discrepancies.

**Definition of Data Qualifying Flags**

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:

B - Compound present in laboratory blank greater than reporting limit.

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the detection limit.

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

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

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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

**Client Sample ID: 821-LFGP-9**

**Lab ID#: 2511535B-01A**

| <b>Compound</b> | <b>Rpt. Limit (%)</b> | <b>Amount (%)</b> |
|-----------------|-----------------------|-------------------|
| Methane         | 0.00014               | 0.00023           |

**Client Sample ID: 821-LFGP-4**

**Lab ID#: 2511535B-02A**

| <b>Compound</b> | <b>Rpt. Limit (%)</b> | <b>Amount (%)</b> |
|-----------------|-----------------------|-------------------|
| Methane         | 0.00019               | 0.0017            |

**Client Sample ID: 821-LFGP-2**

**Lab ID#: 2511535B-03A**

| <b>Compound</b> | <b>Rpt. Limit (%)</b> | <b>Amount (%)</b> |
|-----------------|-----------------------|-------------------|
| Methane         | 0.00016               | 0.00022           |

**Client Sample ID: 821-LFGP-5**

**Lab ID#: 2511535B-04A**

No Detections Were Found.

**Client Sample ID: 821-LFGP-DUP-01**

**Lab ID#: 2511535B-05A**

No Detections Were Found.

**Client Sample ID: 821-LFGP-1**

**Lab ID#: 2511535B-06A**

| <b>Compound</b> | <b>Rpt. Limit (%)</b> | <b>Amount (%)</b> |
|-----------------|-----------------------|-------------------|
| Methane         | 0.00017               | 0.00018           |

**Client Sample ID: 821-LFGP-3**

**Lab ID#: 2511535B-07A**

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

**Client Sample ID: 821-LFGP-3**

**Lab ID#: 2511535B-07A**

| <b>Compound</b> | <b>Rpt. Limit (%)</b> | <b>Amount (%)</b> |
|-----------------|-----------------------|-------------------|
| Methane         | 0.00016               | 0.00020           |

**Client Sample ID: 821-LFGP-6**

**Lab ID#: 2511535B-08A**

No Detections Were Found.

**Client Sample ID: 821-LFGP-7**

**Lab ID#: 2511535B-09A**

No Detections Were Found.

**Client Sample ID: 821-LFGP-8**

**Lab ID#: 2511535B-10A**

| <b>Compound</b> | <b>Rpt. Limit (%)</b> | <b>Amount (%)</b> |
|-----------------|-----------------------|-------------------|
| Methane         | 0.00016               | 0.042             |



Air Toxics

Client Sample ID: 821-LFGP-9

Lab ID#: 2511535B-01A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

|              |          |                     |                     |
|--------------|----------|---------------------|---------------------|
| File Name:   | 11120411 | Date of Collection: | 11/13/25 12:57:00 P |
| Dil. Factor: | 1.42     | Date of Analysis:   | 12/4/25 02:53 PM    |

| Compound | Rpt. Limit (%) | Amount (%) |
|----------|----------------|------------|
| Methane  | 0.00014        | 0.00023    |

Container Type: 6 Liter Summa Canister



Air Toxics

Client Sample ID: 821-LFGP-4

Lab ID#: 2511535B-02A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

|              |          |                     |                     |
|--------------|----------|---------------------|---------------------|
| File Name:   | 11120412 | Date of Collection: | 11/13/25 1:45:00 PM |
| Dil. Factor: | 1.93     | Date of Analysis:   | 12/4/25 03:18 PM    |

| Compound | Rpt. Limit (%) | Amount (%) |
|----------|----------------|------------|
| Methane  | 0.00019        | 0.0017     |

Container Type: 6 Liter Summa Canister



Air Toxics

Client Sample ID: 821-LFGP-2

Lab ID#: 2511535B-03A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

|              |          |                     |                     |
|--------------|----------|---------------------|---------------------|
| File Name:   | 11120413 | Date of Collection: | 11/13/25 1:57:00 PM |
| Dil. Factor: | 1.63     | Date of Analysis:   | 12/4/25 03:49 PM    |

| Compound | Rpt. Limit (%) | Amount (%) |
|----------|----------------|------------|
| Methane  | 0.00016        | 0.00022    |

Container Type: 6 Liter Summa Canister



Air Toxics

Client Sample ID: 821-LFGP-5

Lab ID#: 2511535B-04A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

|              |          |                     |                     |
|--------------|----------|---------------------|---------------------|
| File Name:   | 11120414 | Date of Collection: | 11/13/25 12:02:00 P |
| Dil. Factor: | 1.53     | Date of Analysis:   | 12/4/25 04:14 PM    |

| Compound | Rpt. Limit (%) | Amount (%)   |
|----------|----------------|--------------|
| Methane  | 0.00015        | Not Detected |

Container Type: 6 Liter Summa Canister



Air Toxics

Client Sample ID: 821-LFGP-DUP-01

Lab ID#: 2511535B-05A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

|              |          |                     |                     |
|--------------|----------|---------------------|---------------------|
| File Name:   | 11120415 | Date of Collection: | 11/13/25 12:02:00 P |
| Dil. Factor: | 1.60     | Date of Analysis:   | 12/4/25 04:49 PM    |

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

Container Type: 6 Liter Summa Canister



Air Toxics

Client Sample ID: 821-LFGP-1

Lab ID#: 2511535B-06A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

|              |          |                     |                     |
|--------------|----------|---------------------|---------------------|
| File Name:   | 11120416 | Date of Collection: | 11/13/25 12:06:00 P |
| Dil. Factor: | 1.74     | Date of Analysis:   | 12/4/25 05:35 PM    |

| Compound | Rpt. Limit (%) | Amount (%) |
|----------|----------------|------------|
| Methane  | 0.00017        | 0.00018    |

Container Type: 6 Liter Summa Canister



Air Toxics

Client Sample ID: 821-LFGP-3

Lab ID#: 2511535B-07A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

|              |          |                     |                     |
|--------------|----------|---------------------|---------------------|
| File Name:   | 11120417 | Date of Collection: | 11/14/25 11:05:00 A |
| Dil. Factor: | 1.59     | Date of Analysis:   | 12/4/25 06:09 PM    |

| Compound | Rpt. Limit (%) | Amount (%) |
|----------|----------------|------------|
| Methane  | 0.00016        | 0.00020    |

Container Type: 6 Liter Summa Canister



Air Toxics

Client Sample ID: 821-LFGP-6

Lab ID#: 2511535B-08A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

|              |          |                     |                     |
|--------------|----------|---------------------|---------------------|
| File Name:   | 11120418 | Date of Collection: | 11/14/25 10:57:00 A |
| Dil. Factor: | 1.58     | Date of Analysis:   | 12/4/25 07:01 PM    |

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

Container Type: 6 Liter Summa Canister



Air Toxics

Client Sample ID: 821-LFGP-7

Lab ID#: 2511535B-09A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

|              |          |                     |                     |
|--------------|----------|---------------------|---------------------|
| File Name:   | 11120419 | Date of Collection: | 11/14/25 10:43:00 A |
| Dil. Factor: | 1.48     | Date of Analysis:   | 12/4/25 07:36 PM    |

| Compound | Rpt. Limit (%) | Amount (%)   |
|----------|----------------|--------------|
| Methane  | 0.00015        | Not Detected |

Container Type: 6 Liter Summa Canister



Air Toxics

Client Sample ID: 821-LFGP-8

Lab ID#: 2511535B-10A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

|              |          |                     |                     |
|--------------|----------|---------------------|---------------------|
| File Name:   | 11120420 | Date of Collection: | 11/14/25 10:42:00 A |
| Dil. Factor: | 1.57     | Date of Analysis:   | 12/4/25 08:09 PM    |

| Compound | Rpt. Limit (%) | Amount (%) |
|----------|----------------|------------|
| Methane  | 0.00016        | 0.042      |

Container Type: 6 Liter Summa Canister



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 2511535B-11A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

|              |          |                     |                  |
|--------------|----------|---------------------|------------------|
| File Name:   | 11120403 | Date of Collection: | NA               |
| Dil. Factor: | 1.00     | Date of Analysis:   | 12/4/25 11:05 AM |

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

Container Type: NA - Not Applicable



Air Toxics

Client Sample ID: CCV

Lab ID#: 2511535B-12A

**NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946**

|              |          |                                    |
|--------------|----------|------------------------------------|
| File Name:   | 11120401 | Date of Collection: NA             |
| Dil. Factor: | 1.00     | Date of Analysis: 12/4/25 10:05 AM |

| <b>Compound</b> | <b>%Recovery</b> |
|-----------------|------------------|
|-----------------|------------------|

|         |    |
|---------|----|
| Methane | 95 |
|---------|----|

Container Type: NA - Not Applicable



Air Toxics

Client Sample ID: LCS

Lab ID#: 2511535B-13A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

|              |          |                                    |
|--------------|----------|------------------------------------|
| File Name:   | 11120402 | Date of Collection: NA             |
| Dil. Factor: | 1.00     | Date of Analysis: 12/4/25 10:31 AM |

| Compound | %Recovery | Method Limits |
|----------|-----------|---------------|
| Methane  | 97        | 85-115        |

Container Type: NA - Not Applicable



Air Toxics

Client Sample ID: LCSD

Lab ID#: 2511535B-13AA

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

|              |          |                                    |
|--------------|----------|------------------------------------|
| File Name:   | 11120421 | Date of Collection: NA             |
| Dil. Factor: | 1.00     | Date of Analysis: 12/4/25 08:47 PM |

| Compound | %Recovery | Method Limits |
|----------|-----------|---------------|
| Methane  | 97        | 85-115        |

Container Type: NA - Not Applicable

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Jerry Paul  
S&ME Inc  
3201 Spring Forest Road  
Raleigh, North Carolina 27616  
Generated 11/3/2025 2:21:37 PM

## JOB DESCRIPTION

East Durham Park

## JOB NUMBER

752-38160-1

# Eurofins Raleigh

## Job Notes

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## Authorization



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Authorized for release by  
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(813)690-3563



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# Definitions/Glossary

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

Job ID: 752-38160-1

## Qualifiers

### GC/MS VOA

| Qualifier | Qualifier Description  |
|-----------|--|
| *+        | LCS and/or LCSD is outside acceptance limits, high biased.   |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

### GC/MS Semi VOA

| Qualifier | Qualifier Description  |
|-----------|--|
| *-        | LCS and/or LCSD is outside acceptance limits, low biased.  |
| *+        | LCS and/or LCSD is outside acceptance limits, high biased.   |
| E         | Result exceeded calibration range.   |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

### Metals

| Qualifier | Qualifier Description  |
|-----------|--|
| *+        | LCS and/or LCSD is outside acceptance limits, high biased.   |
| ^-        | Continuing Calibration Verification (CCV) is outside acceptance limits, low biased.                            |
| ^+        | Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.                           |
| B         | Compound was found in the blank and sample.  |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

### General Chemistry

| Qualifier | Qualifier Description   |
|-----------|---|
| 4         | MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable. |
| F1        | MS and/or MSD recovery exceeds control limits.  |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.  |

## Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|---|
| ☼              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery  |
| CFL            | Contains Free Liquid  |
| CFU            | Colony Forming Unit   |
| CNF            | Contains No Free Liquid   |
| DER            | Duplicate Error Ratio (normalized absolute difference)  |
| Dil Fac        | Dilution Factor   |
| DL             | Detection Limit (DoD/DOE)   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)   |
| EDL            | Estimated Detection Limit (Dioxin)  |
| LOD            | Limit of Detection (DoD/DOE)  |
| LOQ            | Limit of Quantitation (DoD/DOE)   |
| MCL            | EPA recommended "Maximum Contaminant Level"   |
| MDA            | Minimum Detectable Activity (Radiochemistry)  |
| MDC            | Minimum Detectable Concentration (Radiochemistry)   |
| MDL            | Method Detection Limit  |
| ML             | Minimum Level (Dioxin)  |
| MPN            | Most Probable Number  |
| MQL            | Method Quantitation Limit   |
| NC             | Not Calculated  |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)  |
| NEG            | Negative / Absent   |
| POS            | Positive / Present  |
| PQL            | Practical Quantitation Limit  |
| PRES           | Presumptive   |
| QC             | Quality Control   |

# Definitions/Glossary

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

Job ID: 752-38160-1

## Glossary (Continued)

| Abbreviation | These commonly used abbreviations may or may not be present in this report.          |
|--------------|--|
| RER          | Relative Error Ratio (Radiochemistry)  |
| RL           | Reporting Limit or Requested Limit (Radiochemistry)                                  |
| RPD          | Relative Percent Difference, a measure of the relative difference between two points |
| TEF          | Toxicity Equivalent Factor (Dioxin)  |
| TEQ          | Toxicity Equivalent Quotient (Dioxin)  |
| TNTC         | Too Numerous To Count  |

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# Case Narrative

Client: S&ME Inc  
Project: East Durham Park

Job ID: 752-38160-1

**Job ID: 752-38160-1**

**Eurofins Raleigh**

## Job Narrative 752-38160-1

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

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

### Receipt

The samples were received on 10/16/2025 9:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.5°C and 3.0°C.

### GC/MS VOA

Method 8260D: The laboratory control sample (LCS) for analytical batch 400-727836 recovered outside control limits for the following analytes: Acetone, Bromomethane and n-Butylbenzene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

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

### GC/MS Semi VOA

Method 8270E\_QQQ: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 400-727414 and analytical batch 400-727805 recovered outside control limits for the following analytes: 3-Nitroaniline, 4-Chloroaniline, 2,6-Dinitrotoluene, 2,4-Dinitrotoluene, 2-Nitroaniline, 4-Nitroaniline and 2-Nitrophenol. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E\_QQQ: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for preparation batch 400-727414 and analytical batch 400-727805 recovered outside control limits for the following analyte: 2,4-Dinitrophenol. Batch precision (RPD) also exceeded control limits for this analyte. These results have been reported and qualified.

Method 8270E\_QQQ: The laboratory control sample (LCS) for preparation batch 400-727342 and analytical batch 400-728273 recovered outside control limits for the following analytes: 1,3-Dinitrobenzene, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Methylphenol, 2-Nitroaniline, 3-Nitroaniline, 4,6-Dinitro-2-methylphenol, 4-Nitroaniline and 4-Nitrophenol. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E\_QQQ: The method blank for preparation batch 400-727342 contained Phenol above the reporting limit (RL). None of the samples associated with this method blank contained this target compound; therefore, re-extraction and/or re-analysis of samples was not performed.

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

### Metals

Method 6020B - Total Recoverable: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 705-89911 and analytical batch 705-90316 recovered outside control limits for the following analytes: Cobalt and Selenium. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

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

### General Chemistry

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

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# Detection Summary

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

Job ID: 752-38160-1

## Client Sample ID: MW-1

## Lab Sample ID: 752-38160-1

| Analyte              | Result | Qualifier | RL     | MDL    | Unit | Dil Fac | D | Method          | Prep Type            |
|----------------------|--------|-----------|--------|--------|------|---------|---|-----------------|----------------------|
| Barium               | 146    |           | 10.0   | 0.410  | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Cobalt               | 0.611  | J ^+ *+   | 5.00   | 0.411  | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Manganese            | 172    |           | 5.00   | 1.29   | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Nickel               | 0.682  | J         | 5.00   | 0.422  | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Vanadium             | 8.61   | B         | 5.00   | 1.22   | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Nitrate as N         | 0.360  |           | 0.100  | 0.0250 | mg/L | 1       |   | Nitrate by calc | Total/NA             |
| Nitrate Nitrite as N | 0.360  |           | 0.0500 | 0.0180 | mg/L | 1       |   | SM 4500 NO3 F   | Total/NA             |
| Sulfate              | 39.2   | F1        | 5.00   | 1.40   | mg/L | 1       |   | SM 4500 SO4 E   | Total/NA             |

## Client Sample ID: MW-2

## Lab Sample ID: 752-38160-2

| Analyte     | Result | Qualifier | RL   | MDL   | Unit | Dil Fac | D | Method        | Prep Type            |
|-------------|--------|-----------|------|-------|------|---------|---|---------------|----------------------|
| Caprolactam | 40.8   |           | 10.1 | 2.43  | ug/L | 1       |   | 8270E         | Total/NA             |
| Carbazole   | 1.38   | J         | 10.1 | 0.324 | ug/L | 1       |   | 8270E         | Total/NA             |
| Arsenic     | 1.81   | J         | 5.00 | 1.32  | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Barium      | 548    |           | 10.0 | 0.410 | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Cobalt      | 1.39   | J ^+ *+   | 5.00 | 0.411 | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Manganese   | 261    |           | 5.00 | 1.29  | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Nickel      | 1.64   | J         | 5.00 | 0.422 | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Vanadium    | 1.74   | J B ^+    | 5.00 | 1.22  | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Zinc        | 23.7   |           | 10.0 | 8.91  | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Sulfate     | 13.3   |           | 5.00 | 1.40  | mg/L | 1       |   | SM 4500 SO4 E | Total/NA             |

## Client Sample ID: MW-3

## Lab Sample ID: 752-38160-3

| Analyte              | Result | Qualifier | RL     | MDL    | Unit | Dil Fac | D | Method        | Prep Type            |
|----------------------|--------|-----------|--------|--------|------|---------|---|---------------|----------------------|
| Carbon disulfide     | 0.568  | J         | 1.00   | 0.500  | ug/L | 1       |   | 8260D         | Total/NA             |
| Arsenic              | 16.2   |           | 5.00   | 1.32   | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Barium               | 386    |           | 10.0   | 0.410  | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Cobalt               | 1.13   | J ^+ *+   | 5.00   | 0.411  | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Copper               | 0.810  | J         | 2.00   | 0.642  | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Manganese            | 310    |           | 5.00   | 1.29   | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Nickel               | 2.67   | J         | 5.00   | 0.422  | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Vanadium             | 2.38   | J B ^+    | 5.00   | 1.22   | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Zinc                 | 787    |           | 10.0   | 8.91   | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Nitrate Nitrite as N | 0.0210 | J         | 0.0500 | 0.0180 | mg/L | 1       |   | SM 4500 NO3 F | Total/NA             |
| Sulfate              | 13.7   |           | 5.00   | 1.40   | mg/L | 1       |   | SM 4500 SO4 E | Total/NA             |

This Detection Summary does not include radiochemical test results.

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# Detection Summary

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

Job ID: 752-38160-1

## Client Sample ID: MW-4

## Lab Sample ID: 752-38160-4

| Analyte              | Result | Qualifier | RL     | MDL    | Unit | Dil Fac | D | Method          | Prep Type            |
|----------------------|--------|-----------|--------|--------|------|---------|---|-----------------|----------------------|
| Carbon disulfide     | 0.554  | J         | 1.00   | 0.500  | ug/L | 1       |   | 8260D           | Total/NA             |
| Caprolactam          | 4.83   | J         | 10.2   | 2.46   | ug/L | 1       |   | 8270E           | Total/NA             |
| Arsenic              | 2.38   | J         | 5.00   | 1.32   | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Barium               | 440    |           | 10.0   | 0.410  | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Beryllium            | 0.213  | J         | 1.00   | 0.147  | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Cobalt               | 2.00   | J ^+ *+   | 5.00   | 0.411  | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Copper               | 1.78   | J         | 2.00   | 0.642  | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Manganese            | 606    |           | 5.00   | 1.29   | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Nickel               | 4.54   | J         | 5.00   | 0.422  | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Vanadium             | 3.40   | J B ^+    | 5.00   | 1.22   | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Zinc                 | 12.9   |           | 10.0   | 8.91   | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Nitrate as N         | 0.123  |           | 0.100  | 0.0250 | mg/L | 1       |   | Nitrate by calc | Total/NA             |
| Nitrate Nitrite as N | 0.123  |           | 0.0500 | 0.0180 | mg/L | 1       |   | SM 4500 NO3 F   | Total/NA             |
| Sulfate              | 4.30   | J         | 5.00   | 1.40   | mg/L | 1       |   | SM 4500 SO4 E   | Total/NA             |

## Client Sample ID: MW-5

## Lab Sample ID: 752-38160-5

| Analyte              | Result | Qualifier | RL     | MDL    | Unit | Dil Fac | D | Method          | Prep Type            |
|----------------------|--------|-----------|--------|--------|------|---------|---|-----------------|----------------------|
| Barium               | 129    |           | 10.0   | 0.410  | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Cobalt               | 1.02   | J ^+ *+   | 5.00   | 0.411  | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Copper               | 0.756  | J         | 2.00   | 0.642  | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Manganese            | 173    |           | 5.00   | 1.29   | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Nickel               | 0.691  | J         | 5.00   | 0.422  | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Vanadium             | 16.2   | B         | 5.00   | 1.22   | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Nitrate as N         | 1.52   |           | 0.100  | 0.0250 | mg/L | 1       |   | Nitrate by calc | Total/NA             |
| Nitrate Nitrite as N | 1.52   |           | 0.0500 | 0.0180 | mg/L | 1       |   | SM 4500 NO3 F   | Total/NA             |
| Sulfate              | 18.5   |           | 5.00   | 1.40   | mg/L | 1       |   | SM 4500 SO4 E   | Total/NA             |

## Client Sample ID: MW-6

## Lab Sample ID: 752-38160-6

| Analyte   | Result | Qualifier | RL   | MDL   | Unit | Dil Fac | D | Method | Prep Type            |
|-----------|--------|-----------|------|-------|------|---------|---|--------|----------------------|
| Barium    | 34.1   |           | 10.0 | 0.410 | ug/L | 1       |   | 6020B  | Total<br>Recoverable |
| Chromium  | 5.95   |           | 5.00 | 3.69  | ug/L | 1       |   | 6020B  | Total<br>Recoverable |
| Cobalt    | 1.24   | J ^+ *+   | 5.00 | 0.411 | ug/L | 1       |   | 6020B  | Total<br>Recoverable |
| Copper    | 3.79   |           | 2.00 | 0.642 | ug/L | 1       |   | 6020B  | Total<br>Recoverable |
| Manganese | 33.7   |           | 5.00 | 1.29  | ug/L | 1       |   | 6020B  | Total<br>Recoverable |

This Detection Summary does not include radiochemical test results.

Eurofins Raleigh

# Detection Summary

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

Job ID: 752-38160-1

## Client Sample ID: MW-6 (Continued)

## Lab Sample ID: 752-38160-6

| Analyte              | Result | Qualifier | RL     | MDL    | Unit | Dil Fac | D | Method          | Prep Type            |
|----------------------|--------|-----------|--------|--------|------|---------|---|-----------------|----------------------|
| Nickel               | 1.86   | J         | 5.00   | 0.422  | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Vanadium             | 22.8   | B         | 5.00   | 1.22   | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Nitrate as N         | 1.75   |           | 0.100  | 0.0250 | mg/L | 1       |   | Nitrate by calc | Total/NA             |
| Nitrate Nitrite as N | 1.75   | F1        | 0.0500 | 0.0180 | mg/L | 1       |   | SM 4500 NO3 F   | Total/NA             |
| Sulfate              | 14.9   |           | 5.00   | 1.40   | mg/L | 1       |   | SM 4500 SO4 E   | Total/NA             |

## Client Sample ID: MW-7

## Lab Sample ID: 752-38160-7

| Analyte              | Result | Qualifier | RL     | MDL    | Unit | Dil Fac | D | Method        | Prep Type            |
|----------------------|--------|-----------|--------|--------|------|---------|---|---------------|----------------------|
| Barium               | 353    |           | 10.0   | 0.410  | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Cobalt               | 0.453  | J ^+ *+   | 5.00   | 0.411  | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Manganese            | 118    |           | 5.00   | 1.29   | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Nickel               | 0.875  | J         | 5.00   | 0.422  | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Vanadium             | 3.87   | J B ^+    | 5.00   | 1.22   | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Nitrate Nitrite as N | 0.0400 | J         | 0.0500 | 0.0180 | mg/L | 1       |   | SM 4500 NO3 F | Total/NA             |
| Sulfate              | 33.7   |           | 5.00   | 1.40   | mg/L | 1       |   | SM 4500 SO4 E | Total/NA             |

## Client Sample ID: MW-8

## Lab Sample ID: 752-38160-8

| Analyte   | Result | Qualifier | RL   | MDL   | Unit | Dil Fac | D | Method        | Prep Type            |
|-----------|--------|-----------|------|-------|------|---------|---|---------------|----------------------|
| Barium    | 106    |           | 10.0 | 0.410 | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Cobalt    | 1.03   | J ^+ *+   | 5.00 | 0.411 | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Manganese | 419    |           | 5.00 | 1.29  | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Nickel    | 6.54   |           | 5.00 | 0.422 | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Vanadium  | 5.22   | B         | 5.00 | 1.22  | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Sulfate   | 12.1   |           | 5.00 | 1.40  | mg/L | 1       |   | SM 4500 SO4 E | Total/NA             |

## Client Sample ID: MW-9

## Lab Sample ID: 752-38160-9

| Analyte              | Result | Qualifier | RL     | MDL    | Unit | Dil Fac | D | Method        | Prep Type            |
|----------------------|--------|-----------|--------|--------|------|---------|---|---------------|----------------------|
| Arsenic              | 7.49   |           | 5.00   | 1.32   | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Barium               | 397    |           | 10.0   | 0.410  | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Cobalt               | 0.982  | J ^+ *+   | 5.00   | 0.411  | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Manganese            | 127    |           | 5.00   | 1.29   | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Nickel               | 0.757  | J         | 5.00   | 0.422  | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Vanadium             | 27.3   | B         | 5.00   | 1.22   | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Nitrate Nitrite as N | 0.0250 | J         | 0.0500 | 0.0180 | mg/L | 1       |   | SM 4500 NO3 F | Total/NA             |
| Sulfate              | 10.7   |           | 5.00   | 1.40   | mg/L | 1       |   | SM 4500 SO4 E | Total/NA             |

This Detection Summary does not include radiochemical test results.

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# Detection Summary

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

Job ID: 752-38160-1

## Client Sample ID: 101525-DUP1

## Lab Sample ID: 752-38160-10

| Analyte              | Result | Qualifier | RL     | MDL    | Unit | Dil Fac | D | Method          | Prep Type            |
|----------------------|--------|-----------|--------|--------|------|---------|---|-----------------|----------------------|
| Barium               | 156    |           | 10.0   | 0.410  | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Beryllium            | 0.227  | J         | 1.00   | 0.147  | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Cobalt               | 0.634  | J ^+ *+   | 5.00   | 0.411  | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Copper               | 0.684  | J         | 2.00   | 0.642  | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Manganese            | 172    |           | 5.00   | 1.29   | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Nickel               | 1.06   | J         | 5.00   | 0.422  | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Vanadium             | 9.34   | B         | 5.00   | 1.22   | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Nitrate as N         | 1.01   |           | 0.100  | 0.0250 | mg/L | 1       |   | Nitrate by calc | Total/NA             |
| Nitrate Nitrite as N | 1.01   |           | 0.0500 | 0.0180 | mg/L | 1       |   | SM 4500 NO3 F   | Total/NA             |
| Sulfate              | 38.5   |           | 5.00   | 1.40   | mg/L | 1       |   | SM 4500 SO4 E   | Total/NA             |

## Client Sample ID: Trip Blank

## Lab Sample ID: 752-38160-11

No Detections.

This Detection Summary does not include radiochemical test results.

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# Client Sample Results

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

Job ID: 752-38160-1

**Client Sample ID: MW-1**

**Lab Sample ID: 752-38160-1**

**Date Collected: 10/15/25 09:45**

**Matrix: Water**

**Date Received: 10/16/25 09:00**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

| Analyte                     | Result | Qualifier | RL   | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|--------|------|---|----------|----------------|---------|
| Acetone                     | ND     | *+        | 25.0 | 10.0   | ug/L |   |          | 10/23/25 15:20 | 1       |
| Benzene                     | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 15:20 | 1       |
| Bromobenzene                | ND     |           | 1.00 | 0.540  | ug/L |   |          | 10/23/25 15:20 | 1       |
| Bromoform                   | ND     |           | 5.00 | 0.250  | ug/L |   |          | 10/23/25 15:20 | 1       |
| Bromomethane                | ND     | *+        | 1.00 | 0.980  | ug/L |   |          | 10/23/25 15:20 | 1       |
| 2-Butanone (MEK)            | ND     |           | 25.0 | 2.60   | ug/L |   |          | 10/23/25 15:20 | 1       |
| Carbon disulfide            | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 15:20 | 1       |
| Carbon tetrachloride        | ND     |           | 1.00 | 0.190  | ug/L |   |          | 10/23/25 15:20 | 1       |
| Chlorobenzene               | ND     |           | 1.00 | 0.420  | ug/L |   |          | 10/23/25 15:20 | 1       |
| Chlorobromomethane          | ND     |           | 1.00 | 0.520  | ug/L |   |          | 10/23/25 15:20 | 1       |
| Chlorodibromomethane        | ND     |           | 1.00 | 0.240  | ug/L |   |          | 10/23/25 15:20 | 1       |
| Chloroethane                | ND     |           | 1.00 | 0.760  | ug/L |   |          | 10/23/25 15:20 | 1       |
| Chloroform                  | ND     |           | 1.00 | 0.900  | ug/L |   |          | 10/23/25 15:20 | 1       |
| Chloromethane               | ND     |           | 1.00 | 0.400  | ug/L |   |          | 10/23/25 15:20 | 1       |
| 2-Chlorotoluene             | ND     |           | 1.00 | 0.570  | ug/L |   |          | 10/23/25 15:20 | 1       |
| 4-Chlorotoluene             | ND     |           | 1.00 | 0.560  | ug/L |   |          | 10/23/25 15:20 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 1.00 | 0.200  | ug/L |   |          | 10/23/25 15:20 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 5.00 | 0.500  | ug/L |   |          | 10/23/25 15:20 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND     |           | 5.00 | 1.50   | ug/L |   |          | 10/23/25 15:20 | 1       |
| Dibromomethane              | ND     |           | 5.00 | 0.220  | ug/L |   |          | 10/23/25 15:20 | 1       |
| 1,2-Dichlorobenzene         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 15:20 | 1       |
| 1,3-Dichlorobenzene         | ND     |           | 1.00 | 0.540  | ug/L |   |          | 10/23/25 15:20 | 1       |
| 1,4-Dichlorobenzene         | ND     |           | 1.00 | 0.640  | ug/L |   |          | 10/23/25 15:20 | 1       |
| Dichlorobromomethane        | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 15:20 | 1       |
| 1,1-Dichloroethane          | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 15:20 | 1       |
| 1,2-Dichloroethane          | ND     |           | 1.00 | 0.550  | ug/L |   |          | 10/23/25 15:20 | 1       |
| 1,1-Dichloroethene          | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 15:20 | 1       |
| 1,2-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 15:20 | 1       |
| 1,3-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 15:20 | 1       |
| 2,2-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 15:20 | 1       |
| 1,1-Dichloropropene         | ND     |           | 1.00 | 0.0900 | ug/L |   |          | 10/23/25 15:20 | 1       |
| Ethyl acetate               | ND     |           | 10.0 | 6.14   | ug/L |   |          | 10/23/25 15:20 | 1       |
| Ethylbenzene                | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 15:20 | 1       |
| Ethylene Dibromide          | ND     |           | 1.00 | 0.230  | ug/L |   |          | 10/23/25 15:20 | 1       |
| Hexachlorobutadiene         | ND     |           | 5.00 | 0.900  | ug/L |   |          | 10/23/25 15:20 | 1       |
| Hexane                      | ND     |           | 1.00 | 0.960  | ug/L |   |          | 10/23/25 15:20 | 1       |
| 2-Hexanone                  | ND     |           | 25.0 | 4.26   | ug/L |   |          | 10/23/25 15:20 | 1       |
| Iodomethane                 | ND     |           | 1.00 | 0.900  | ug/L |   |          | 10/23/25 15:20 | 1       |
| Isopropylbenzene            | ND     |           | 1.00 | 0.530  | ug/L |   |          | 10/23/25 15:20 | 1       |
| Isopropyl ether             | ND     |           | 1.00 | 0.740  | ug/L |   |          | 10/23/25 15:20 | 1       |
| 4-Isopropyltoluene          | ND     |           | 1.00 | 0.710  | ug/L |   |          | 10/23/25 15:20 | 1       |
| Methylene Chloride          | ND     |           | 5.00 | 4.00   | ug/L |   |          | 10/23/25 15:20 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     |           | 25.0 | 1.80   | ug/L |   |          | 10/23/25 15:20 | 1       |
| Methyl tert-butyl ether     | ND     |           | 1.00 | 0.220  | ug/L |   |          | 10/23/25 15:20 | 1       |
| m-Xylene & p-Xylene         | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 15:20 | 1       |
| Naphthalene                 | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 15:20 | 1       |
| n-Butylbenzene              | ND     | *+        | 1.00 | 0.760  | ug/L |   |          | 10/23/25 15:20 | 1       |
| n-Heptane                   | ND     |           | 1.00 | 0.210  | ug/L |   |          | 10/23/25 15:20 | 1       |
| N-Propylbenzene             | ND     |           | 1.00 | 0.690  | ug/L |   |          | 10/23/25 15:20 | 1       |

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# Client Sample Results

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

Job ID: 752-38160-1

**Client Sample ID: MW-1**

**Lab Sample ID: 752-38160-1**

**Date Collected: 10/15/25 09:45**

**Matrix: Water**

**Date Received: 10/16/25 09:00**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| o-Xylene                              | ND     |           | 5.00 | 3.00  | ug/L |   |          | 10/23/25 15:20 | 1       |
| sec-Butylbenzene                      | ND     |           | 1.00 | 0.700 | ug/L |   |          | 10/23/25 15:20 | 1       |
| Styrene                               | ND     |           | 1.00 | 1.00  | ug/L |   |          | 10/23/25 15:20 | 1       |
| tert-Butylbenzene                     | ND     |           | 1.00 | 0.630 | ug/L |   |          | 10/23/25 15:20 | 1       |
| 1,1,1,2-Tetrachloroethane             | ND     |           | 1.00 | 0.380 | ug/L |   |          | 10/23/25 15:20 | 1       |
| 1,1,1,2,2-Tetrachloroethane           | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 15:20 | 1       |
| Tetrachloroethene                     | ND     |           | 1.00 | 0.330 | ug/L |   |          | 10/23/25 15:20 | 1       |
| Toluene                               | ND     |           | 1.00 | 0.900 | ug/L |   |          | 10/23/25 15:20 | 1       |
| trans-1,4-Dichloro-2-butene           | ND     |           | 5.00 | 1.00  | ug/L |   |          | 10/23/25 15:20 | 1       |
| trans-1,2-Dichloroethene              | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 15:20 | 1       |
| trans-1,3-Dichloropropene             | ND     |           | 5.00 | 0.200 | ug/L |   |          | 10/23/25 15:20 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 1.00 | 0.900 | ug/L |   |          | 10/23/25 15:20 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 1.00 | 0.820 | ug/L |   |          | 10/23/25 15:20 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 1.00 | 0.180 | ug/L |   |          | 10/23/25 15:20 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 5.00 | 0.210 | ug/L |   |          | 10/23/25 15:20 | 1       |
| Trichloroethene                       | ND     |           | 1.00 | 0.150 | ug/L |   |          | 10/23/25 15:20 | 1       |
| Trichlorofluoromethane                | ND     |           | 1.00 | 0.250 | ug/L |   |          | 10/23/25 15:20 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 5.00 | 0.840 | ug/L |   |          | 10/23/25 15:20 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 15:20 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 1.00 | 0.820 | ug/L |   |          | 10/23/25 15:20 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 1.00 | 0.560 | ug/L |   |          | 10/23/25 15:20 | 1       |
| Vinyl acetate                         | ND     |           | 25.0 | 0.930 | ug/L |   |          | 10/23/25 15:20 | 1       |
| Vinyl chloride                        | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 15:20 | 1       |
| Xylenes, Total                        | ND     |           | 10.0 | 6.00  | ug/L |   |          | 10/23/25 15:20 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene         | 101       |           | 56 - 136 |          | 10/23/25 15:20 | 1       |
| Dibromofluoromethane         | 107       |           | 79 - 130 |          | 10/23/25 15:20 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 107       |           | 59 - 146 |          | 10/23/25 15:20 | 1       |
| Toluene-d8 (Surr)            | 101       |           | 64 - 132 |          | 10/23/25 15:20 | 1       |

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

| Analyte     | Result | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| 1,4-Dioxane | ND     |           | 0.280 | 0.280 | ug/L |   | 10/17/25 16:54 | 10/21/25 15:32 | 1       |

| Isotope Dilution | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Dioxane-d8   | 23        |           | 10 - 140 | 10/17/25 16:54 | 10/21/25 15:32 | 1       |

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

| Analyte               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| 1,1'-Biphenyl         | ND     |           | 10.1 | 0.424 | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| 2,4,5-Trichlorophenol | ND     |           | 10.1 | 0.545 | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| 2,4,6-Trichlorophenol | ND     |           | 10.1 | 1.10  | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| 2,4-Dichlorophenol    | ND     |           | 10.1 | 0.576 | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| 2,4-Dimethylphenol    | ND     |           | 10.1 | 0.242 | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| 2,4-Dinitrophenol     | ND     | *         | 30.3 | 4.73  | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| 2,4-Dinitrotoluene    | ND     | ++        | 10.1 | 0.657 | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| 2,6-Dinitrotoluene    | ND     | ++        | 10.1 | 0.293 | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| 2-Chloronaphthalene   | ND     |           | 10.1 | 0.384 | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| 2-Chlorophenol        | ND     |           | 10.1 | 0.848 | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| 2-Methylnaphthalene   | ND     |           | 10.1 | 0.818 | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |

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# Client Sample Results

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

Job ID: 752-38160-1

**Client Sample ID: MW-1**

**Lab Sample ID: 752-38160-1**

**Date Collected: 10/15/25 09:45**

**Matrix: Water**

**Date Received: 10/16/25 09:00**

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

| Analyte                       | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| 2-Methylphenol                | ND     |           | 10.1 | 0.768 | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| 2-Nitroaniline                | ND     | ++        | 10.1 | 1.38  | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| 2-Nitrophenol                 | ND     | ++        | 10.1 | 1.18  | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| 3 & 4 Methylphenol            | ND     |           | 20.2 | 4.65  | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 11.1 | 0.414 | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| 3-Nitroaniline                | ND     | ++        | 10.1 | 0.960 | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 10.1 | 1.99  | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 10.1 | 0.131 | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 10.1 | 0.737 | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| 4-Chloroaniline               | ND     | ++        | 10.1 | 0.586 | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 10.1 | 0.242 | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| 4-Nitroaniline                | ND     | ++        | 10.1 | 3.54  | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| 4-Nitrophenol                 | ND     |           | 10.1 | 2.77  | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| Acenaphthene                  | ND     |           | 10.1 | 0.636 | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| Acenaphthylene                | ND     |           | 10.1 | 0.768 | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| Acetophenone                  | ND     |           | 10.1 | 3.23  | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| Anthracene                    | ND     |           | 10.1 | 0.919 | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| Atrazine                      | ND     |           | 10.1 | 1.14  | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| Benzaldehyde                  | ND     |           | 10.1 | 0.677 | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| Benzo[a]anthracene            | ND     |           | 10.1 | 1.01  | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| Benzo[a]pyrene                | ND     |           | 10.1 | 1.11  | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| Benzo[b]fluoranthene          | ND     |           | 10.1 | 1.21  | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| Benzo[g,h,i]perylene          | ND     |           | 10.1 | 1.52  | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| Benzo[k]fluoranthene          | ND     |           | 10.1 | 1.52  | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 10.1 | 0.939 | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 10.1 | 0.343 | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 10.1 | 0.737 | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 10.1 | 4.04  | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| Butyl benzyl phthalate        | ND     |           | 10.1 | 4.04  | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| Caprolactam                   | ND     |           | 10.1 | 2.42  | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| Carbazole                     | ND     |           | 10.1 | 0.323 | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| Chrysene                      | ND     |           | 10.1 | 1.21  | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 10.1 | 1.31  | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| Dibenzofuran                  | ND     |           | 10.1 | 0.646 | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| Diethyl phthalate             | ND     |           | 10.1 | 4.04  | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| Dimethyl phthalate            | ND     |           | 10.1 | 4.04  | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| Di-n-butyl phthalate          | ND     |           | 10.1 | 8.27  | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| Di-n-octyl phthalate          | ND     |           | 10.1 | 4.04  | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| Fluoranthene                  | ND     |           | 10.1 | 0.636 | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| Fluorene                      | ND     |           | 10.1 | 0.677 | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| Hexachlorobenzene             | ND     |           | 10.1 | 0.253 | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| Hexachlorobutadiene           | ND     |           | 10.1 | 0.556 | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| Hexachlorocyclopentadiene     | ND     |           | 20.2 | 0.323 | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| Hexachloroethane              | ND     |           | 10.1 | 0.535 | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| Indeno[1,2,3-cd]pyrene        | ND     |           | 10.1 | 1.11  | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| Isophorone                    | ND     |           | 10.1 | 0.808 | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| Naphthalene                   | ND     |           | 10.1 | 0.758 | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| Nitrobenzene                  | ND     |           | 10.1 | 0.606 | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| N-Nitrosodi-n-propylamine     | ND     |           | 10.1 | 0.333 | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |

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# Client Sample Results

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

Job ID: 752-38160-1

**Client Sample ID: MW-1**

**Lab Sample ID: 752-38160-1**

Date Collected: 10/15/25 09:45

Matrix: Water

Date Received: 10/16/25 09:00

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

| Analyte                | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| N-Nitrosodiphenylamine | ND     |           | 10.1 | 0.192 | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| Pentachlorophenol      | ND     |           | 10.1 | 2.83  | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| Phenanthrene           | ND     |           | 10.1 | 0.747 | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| Phenol                 | ND     |           | 10.1 | 0.687 | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| Pyrene                 | ND     |           | 10.1 | 0.636 | ug/L |   | 10/20/25 11:48 | 10/23/25 19:55 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   |  |  |  | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|--|--|--|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 119       |           | 10 - 150 |  |  |  | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| 2-Fluorobiphenyl (Surr)     | 88        |           | 25 - 139 |  |  |  | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| 2-Fluorophenol (Surr)       | 66        |           | 10 - 150 |  |  |  | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| Nitrobenzene-d5 (Surr)      | 117       |           | 22 - 150 |  |  |  | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| Phenol-d5 (Surr)            | 55        |           | 10 - 150 |  |  |  | 10/20/25 11:48 | 10/23/25 19:55 | 1       |
| Terphenyl-d14 (Surr)        | 67        |           | 28 - 150 |  |  |  | 10/20/25 11:48 | 10/23/25 19:55 | 1       |

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

| Analyte          | Result       | Qualifier      | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|----------------|-------|-------|------|---|----------------|----------------|---------|
| Antimony         | ND           |                | 5.00  | 2.45  | ug/L |   | 10/21/25 17:35 | 10/22/25 21:09 | 1       |
| Arsenic          | ND           |                | 5.00  | 1.32  | ug/L |   | 10/21/25 17:35 | 10/22/25 21:09 | 1       |
| <b>Barium</b>    | <b>146</b>   |                | 10.0  | 0.410 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:09 | 1       |
| Beryllium        | ND           |                | 1.00  | 0.147 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:09 | 1       |
| Cadmium          | ND           |                | 0.700 | 0.237 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:09 | 1       |
| Chromium         | ND           | ^+             | 5.00  | 3.69  | ug/L |   | 10/21/25 17:35 | 10/22/25 21:09 | 1       |
| <b>Cobalt</b>    | <b>0.611</b> | <b>J ^+ *+</b> | 5.00  | 0.411 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:09 | 1       |
| Copper           | ND           |                | 2.00  | 0.642 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:09 | 1       |
| Lead             | ND           |                | 1.00  | 0.864 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:09 | 1       |
| <b>Manganese</b> | <b>172</b>   |                | 5.00  | 1.29  | ug/L |   | 10/21/25 17:35 | 10/30/25 20:06 | 1       |
| <b>Nickel</b>    | <b>0.682</b> | <b>J</b>       | 5.00  | 0.422 | ug/L |   | 10/21/25 17:35 | 10/30/25 20:06 | 1       |
| Selenium         | ND           | ^+ *+          | 5.00  | 2.29  | ug/L |   | 10/21/25 17:35 | 10/22/25 21:09 | 1       |
| Silver           | ND           |                | 1.00  | 0.167 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:09 | 1       |
| Thallium         | ND           |                | 1.00  | 0.190 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:09 | 1       |
| <b>Vanadium</b>  | <b>8.61</b>  | <b>B</b>       | 5.00  | 1.22  | ug/L |   | 10/21/25 17:35 | 10/30/25 20:06 | 1       |
| Zinc             | ND           |                | 10.0  | 8.91  | ug/L |   | 10/21/25 17:35 | 10/30/25 20:06 | 1       |

## Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.200 | 0.166 | ug/L |   | 10/24/25 12:28 | 10/24/25 16:52 | 1       |

## General Chemistry

| Analyte                                     | Result       | Qualifier | RL     | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|---|--------------|-----------|--------|--------|------|---|----------|----------------|---------|
| Ammonia (as N) (EPA 350.1)                  | ND           |           | 0.0500 | 0.0460 | mg/L |   |          | 10/24/25 12:37 | 1       |
| Nitrite as N (EPA 353.2)                    | ND           |           | 0.100  | 0.0168 | mg/L |   |          | 10/16/25 16:27 | 1       |
| <b>Nitrate as N (SM Nitrate by calc)</b>    | <b>0.360</b> |           | 0.100  | 0.0250 | mg/L |   |          | 10/21/25 09:48 | 1       |
| <b>Nitrate Nitrite as N (SM 4500 NO3 F)</b> | <b>0.360</b> |           | 0.0500 | 0.0180 | mg/L |   |          | 10/21/25 19:05 | 1       |
| <b>Sulfate (SM 4500 SO4 E)</b>              | <b>39.2</b>  | <b>F1</b> | 5.00   | 1.40   | mg/L |   |          | 10/20/25 11:55 | 1       |

# Client Sample Results

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

Job ID: 752-38160-1

**Client Sample ID: MW-2**

**Lab Sample ID: 752-38160-2**

**Date Collected: 10/15/25 10:50**

**Matrix: Water**

**Date Received: 10/16/25 09:00**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

| Analyte                     | Result | Qualifier | RL   | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|--------|------|---|----------|----------------|---------|
| Acetone                     | ND     | *+        | 25.0 | 10.0   | ug/L |   |          | 10/23/25 15:46 | 1       |
| Benzene                     | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 15:46 | 1       |
| Bromobenzene                | ND     |           | 1.00 | 0.540  | ug/L |   |          | 10/23/25 15:46 | 1       |
| Bromoform                   | ND     |           | 5.00 | 0.250  | ug/L |   |          | 10/23/25 15:46 | 1       |
| Bromomethane                | ND     | *+        | 1.00 | 0.980  | ug/L |   |          | 10/23/25 15:46 | 1       |
| 2-Butanone (MEK)            | ND     |           | 25.0 | 2.60   | ug/L |   |          | 10/23/25 15:46 | 1       |
| Carbon disulfide            | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 15:46 | 1       |
| Carbon tetrachloride        | ND     |           | 1.00 | 0.190  | ug/L |   |          | 10/23/25 15:46 | 1       |
| Chlorobenzene               | ND     |           | 1.00 | 0.420  | ug/L |   |          | 10/23/25 15:46 | 1       |
| Chlorobromomethane          | ND     |           | 1.00 | 0.520  | ug/L |   |          | 10/23/25 15:46 | 1       |
| Chlorodibromomethane        | ND     |           | 1.00 | 0.240  | ug/L |   |          | 10/23/25 15:46 | 1       |
| Chloroethane                | ND     |           | 1.00 | 0.760  | ug/L |   |          | 10/23/25 15:46 | 1       |
| Chloroform                  | ND     |           | 1.00 | 0.900  | ug/L |   |          | 10/23/25 15:46 | 1       |
| Chloromethane               | ND     |           | 1.00 | 0.400  | ug/L |   |          | 10/23/25 15:46 | 1       |
| 2-Chlorotoluene             | ND     |           | 1.00 | 0.570  | ug/L |   |          | 10/23/25 15:46 | 1       |
| 4-Chlorotoluene             | ND     |           | 1.00 | 0.560  | ug/L |   |          | 10/23/25 15:46 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 1.00 | 0.200  | ug/L |   |          | 10/23/25 15:46 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 5.00 | 0.500  | ug/L |   |          | 10/23/25 15:46 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND     |           | 5.00 | 1.50   | ug/L |   |          | 10/23/25 15:46 | 1       |
| Dibromomethane              | ND     |           | 5.00 | 0.220  | ug/L |   |          | 10/23/25 15:46 | 1       |
| 1,2-Dichlorobenzene         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 15:46 | 1       |
| 1,3-Dichlorobenzene         | ND     |           | 1.00 | 0.540  | ug/L |   |          | 10/23/25 15:46 | 1       |
| 1,4-Dichlorobenzene         | ND     |           | 1.00 | 0.640  | ug/L |   |          | 10/23/25 15:46 | 1       |
| Dichlorobromomethane        | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 15:46 | 1       |
| 1,1-Dichloroethane          | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 15:46 | 1       |
| 1,2-Dichloroethane          | ND     |           | 1.00 | 0.550  | ug/L |   |          | 10/23/25 15:46 | 1       |
| 1,1-Dichloroethene          | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 15:46 | 1       |
| 1,2-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 15:46 | 1       |
| 1,3-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 15:46 | 1       |
| 2,2-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 15:46 | 1       |
| 1,1-Dichloropropene         | ND     |           | 1.00 | 0.0900 | ug/L |   |          | 10/23/25 15:46 | 1       |
| Ethyl acetate               | ND     |           | 10.0 | 6.14   | ug/L |   |          | 10/23/25 15:46 | 1       |
| Ethylbenzene                | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 15:46 | 1       |
| Ethylene Dibromide          | ND     |           | 1.00 | 0.230  | ug/L |   |          | 10/23/25 15:46 | 1       |
| Hexachlorobutadiene         | ND     |           | 5.00 | 0.900  | ug/L |   |          | 10/23/25 15:46 | 1       |
| Hexane                      | ND     |           | 1.00 | 0.960  | ug/L |   |          | 10/23/25 15:46 | 1       |
| 2-Hexanone                  | ND     |           | 25.0 | 4.26   | ug/L |   |          | 10/23/25 15:46 | 1       |
| Iodomethane                 | ND     |           | 1.00 | 0.900  | ug/L |   |          | 10/23/25 15:46 | 1       |
| Isopropylbenzene            | ND     |           | 1.00 | 0.530  | ug/L |   |          | 10/23/25 15:46 | 1       |
| Isopropyl ether             | ND     |           | 1.00 | 0.740  | ug/L |   |          | 10/23/25 15:46 | 1       |
| 4-Isopropyltoluene          | ND     |           | 1.00 | 0.710  | ug/L |   |          | 10/23/25 15:46 | 1       |
| Methylene Chloride          | ND     |           | 5.00 | 4.00   | ug/L |   |          | 10/23/25 15:46 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     |           | 25.0 | 1.80   | ug/L |   |          | 10/23/25 15:46 | 1       |
| Methyl tert-butyl ether     | ND     |           | 1.00 | 0.220  | ug/L |   |          | 10/23/25 15:46 | 1       |
| m-Xylene & p-Xylene         | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 15:46 | 1       |
| Naphthalene                 | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 15:46 | 1       |
| n-Butylbenzene              | ND     | *+        | 1.00 | 0.760  | ug/L |   |          | 10/23/25 15:46 | 1       |
| n-Heptane                   | ND     |           | 1.00 | 0.210  | ug/L |   |          | 10/23/25 15:46 | 1       |
| N-Propylbenzene             | ND     |           | 1.00 | 0.690  | ug/L |   |          | 10/23/25 15:46 | 1       |

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# Client Sample Results

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

Job ID: 752-38160-1

**Client Sample ID: MW-2**

**Lab Sample ID: 752-38160-2**

**Date Collected: 10/15/25 10:50**

**Matrix: Water**

**Date Received: 10/16/25 09:00**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| o-Xylene                              | ND     |           | 5.00 | 3.00  | ug/L |   |          | 10/23/25 15:46 | 1       |
| sec-Butylbenzene                      | ND     |           | 1.00 | 0.700 | ug/L |   |          | 10/23/25 15:46 | 1       |
| Styrene                               | ND     |           | 1.00 | 1.00  | ug/L |   |          | 10/23/25 15:46 | 1       |
| tert-Butylbenzene                     | ND     |           | 1.00 | 0.630 | ug/L |   |          | 10/23/25 15:46 | 1       |
| 1,1,1,2-Tetrachloroethane             | ND     |           | 1.00 | 0.380 | ug/L |   |          | 10/23/25 15:46 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 15:46 | 1       |
| Tetrachloroethene                     | ND     |           | 1.00 | 0.330 | ug/L |   |          | 10/23/25 15:46 | 1       |
| Toluene                               | ND     |           | 1.00 | 0.900 | ug/L |   |          | 10/23/25 15:46 | 1       |
| trans-1,4-Dichloro-2-butene           | ND     |           | 5.00 | 1.00  | ug/L |   |          | 10/23/25 15:46 | 1       |
| trans-1,2-Dichloroethene              | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 15:46 | 1       |
| trans-1,3-Dichloropropene             | ND     |           | 5.00 | 0.200 | ug/L |   |          | 10/23/25 15:46 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 1.00 | 0.900 | ug/L |   |          | 10/23/25 15:46 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 1.00 | 0.820 | ug/L |   |          | 10/23/25 15:46 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 1.00 | 0.180 | ug/L |   |          | 10/23/25 15:46 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 5.00 | 0.210 | ug/L |   |          | 10/23/25 15:46 | 1       |
| Trichloroethene                       | ND     |           | 1.00 | 0.150 | ug/L |   |          | 10/23/25 15:46 | 1       |
| Trichlorofluoromethane                | ND     |           | 1.00 | 0.250 | ug/L |   |          | 10/23/25 15:46 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 5.00 | 0.840 | ug/L |   |          | 10/23/25 15:46 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 15:46 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 1.00 | 0.820 | ug/L |   |          | 10/23/25 15:46 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 1.00 | 0.560 | ug/L |   |          | 10/23/25 15:46 | 1       |
| Vinyl acetate                         | ND     |           | 25.0 | 0.930 | ug/L |   |          | 10/23/25 15:46 | 1       |
| Vinyl chloride                        | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 15:46 | 1       |
| Xylenes, Total                        | ND     |           | 10.0 | 6.00  | ug/L |   |          | 10/23/25 15:46 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene         | 103       |           | 56 - 136 |          | 10/23/25 15:46 | 1       |
| Dibromofluoromethane         | 107       |           | 79 - 130 |          | 10/23/25 15:46 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 107       |           | 59 - 146 |          | 10/23/25 15:46 | 1       |
| Toluene-d8 (Surr)            | 101       |           | 64 - 132 |          | 10/23/25 15:46 | 1       |

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

| Analyte     | Result | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| 1,4-Dioxane | ND     |           | 0.285 | 0.285 | ug/L |   | 10/17/25 16:54 | 10/21/25 15:54 | 1       |

| Isotope Dilution | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Dioxane-d8   | 24        |           | 10 - 140 | 10/17/25 16:54 | 10/21/25 15:54 | 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 | 0.426 | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| 2,4,5-Trichlorophenol | ND     |           | 10.1 | 0.547 | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| 2,4,6-Trichlorophenol | ND     |           | 10.1 | 1.10  | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| 2,4-Dichlorophenol    | ND     |           | 10.1 | 0.578 | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| 2,4-Dimethylphenol    | ND     |           | 10.1 | 0.243 | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| 2,4-Dinitrophenol     | ND     | *         | 30.4 | 4.74  | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| 2,4-Dinitrotoluene    | ND     | ++        | 10.1 | 0.659 | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| 2,6-Dinitrotoluene    | ND     | ++        | 10.1 | 0.294 | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| 2-Chloronaphthalene   | ND     |           | 10.1 | 0.385 | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| 2-Chlorophenol        | ND     |           | 10.1 | 0.851 | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| 2-Methylnaphthalene   | ND     |           | 10.1 | 0.821 | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |

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# Client Sample Results

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

Job ID: 752-38160-1

**Client Sample ID: MW-2**

**Lab Sample ID: 752-38160-2**

**Date Collected: 10/15/25 10:50**

**Matrix: Water**

**Date Received: 10/16/25 09:00**

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

| Analyte                       | Result      | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|-------------|-----------|------|-------|------|---|----------------|----------------|---------|
| 2-Methylphenol                | ND          |           | 10.1 | 0.770 | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| 2-Nitroaniline                | ND          | ++        | 10.1 | 1.39  | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| 2-Nitrophenol                 | ND          | ++        | 10.1 | 1.19  | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| 3 & 4 Methylphenol            | ND          |           | 20.3 | 4.66  | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| 3,3'-Dichlorobenzidine        | ND          |           | 11.1 | 0.416 | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| 3-Nitroaniline                | ND          | ++        | 10.1 | 0.963 | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND          |           | 10.1 | 2.00  | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| 4-Bromophenyl phenyl ether    | ND          |           | 10.1 | 0.132 | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| 4-Chloro-3-methylphenol       | ND          |           | 10.1 | 0.740 | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| 4-Chloroaniline               | ND          | ++        | 10.1 | 0.588 | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| 4-Chlorophenyl phenyl ether   | ND          |           | 10.1 | 0.243 | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| 4-Nitroaniline                | ND          | ++        | 10.1 | 3.55  | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| 4-Nitrophenol                 | ND          |           | 10.1 | 2.78  | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| Acenaphthene                  | ND          |           | 10.1 | 0.639 | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| Acenaphthylene                | ND          |           | 10.1 | 0.770 | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| Acetophenone                  | ND          |           | 10.1 | 3.24  | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| Anthracene                    | ND          |           | 10.1 | 0.922 | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| Atrazine                      | ND          |           | 10.1 | 1.15  | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| Benzaldehyde                  | ND          |           | 10.1 | 0.679 | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| Benzo[a]anthracene            | ND          |           | 10.1 | 1.01  | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| Benzo[a]pyrene                | ND          |           | 10.1 | 1.11  | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| Benzo[b]fluoranthene          | ND          |           | 10.1 | 1.22  | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| Benzo[g,h,i]perylene          | ND          |           | 10.1 | 1.52  | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| Benzo[k]fluoranthene          | ND          |           | 10.1 | 1.52  | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| bis (2-chloroisopropyl) ether | ND          |           | 10.1 | 0.943 | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| Bis(2-chloroethoxy)methane    | ND          |           | 10.1 | 0.345 | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| Bis(2-chloroethyl)ether       | ND          |           | 10.1 | 0.740 | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND          |           | 10.1 | 4.05  | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| Butyl benzyl phthalate        | ND          |           | 10.1 | 4.05  | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| <b>Caprolactam</b>            | <b>40.8</b> |           | 10.1 | 2.43  | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| <b>Carbazole</b>              | <b>1.38</b> | <b>J</b>  | 10.1 | 0.324 | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| Chrysene                      | ND          |           | 10.1 | 1.22  | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| Dibenz(a,h)anthracene         | ND          |           | 10.1 | 1.32  | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| Dibenzofuran                  | ND          |           | 10.1 | 0.649 | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| Diethyl phthalate             | ND          |           | 10.1 | 4.05  | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| Dimethyl phthalate            | ND          |           | 10.1 | 4.05  | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| Di-n-butyl phthalate          | ND          |           | 10.1 | 8.30  | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| Di-n-octyl phthalate          | ND          |           | 10.1 | 4.05  | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| Fluoranthene                  | ND          |           | 10.1 | 0.639 | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| Fluorene                      | ND          |           | 10.1 | 0.679 | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| Hexachlorobenzene             | ND          |           | 10.1 | 0.253 | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| Hexachlorobutadiene           | ND          |           | 10.1 | 0.557 | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| Hexachlorocyclopentadiene     | ND          |           | 20.3 | 0.324 | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| Hexachloroethane              | ND          |           | 10.1 | 0.537 | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| Indeno[1,2,3-cd]pyrene        | ND          |           | 10.1 | 1.11  | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| Isophorone                    | ND          |           | 10.1 | 0.811 | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| Naphthalene                   | ND          |           | 10.1 | 0.760 | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| Nitrobenzene                  | ND          |           | 10.1 | 0.608 | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| N-Nitrosodi-n-propylamine     | ND          |           | 10.1 | 0.334 | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |

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# Client Sample Results

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

Job ID: 752-38160-1

**Client Sample ID: MW-2**

**Lab Sample ID: 752-38160-2**

**Date Collected: 10/15/25 10:50**

**Matrix: Water**

**Date Received: 10/16/25 09:00**

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

| Analyte                | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| N-Nitrosodiphenylamine | ND     |           | 10.1 | 0.193 | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| Pentachlorophenol      | ND     |           | 10.1 | 2.84  | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| Phenanthrene           | ND     |           | 10.1 | 0.750 | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| Phenol                 | ND     |           | 10.1 | 0.689 | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| Pyrene                 | ND     |           | 10.1 | 0.639 | ug/L |   | 10/20/25 11:48 | 10/23/25 20:27 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   |  |  |  | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|--|--|--|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 116       |           | 10 - 150 |  |  |  | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| 2-Fluorobiphenyl (Surr)     | 88        |           | 25 - 139 |  |  |  | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| 2-Fluorophenol (Surr)       | 98        |           | 10 - 150 |  |  |  | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| Nitrobenzene-d5 (Surr)      | 118       |           | 22 - 150 |  |  |  | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| Phenol-d5 (Surr)            | 105       |           | 10 - 150 |  |  |  | 10/20/25 11:48 | 10/23/25 20:27 | 1       |
| Terphenyl-d14 (Surr)        | 69        |           | 28 - 150 |  |  |  | 10/20/25 11:48 | 10/23/25 20:27 | 1       |

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

| Analyte          | Result      | Qualifier      | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-------------|----------------|-------|-------|------|---|----------------|----------------|---------|
| Antimony         | ND          |                | 5.00  | 2.45  | ug/L |   | 10/21/25 17:35 | 10/22/25 21:11 | 1       |
| <b>Arsenic</b>   | <b>1.81</b> | <b>J</b>       | 5.00  | 1.32  | ug/L |   | 10/21/25 17:35 | 10/22/25 21:11 | 1       |
| <b>Barium</b>    | <b>548</b>  |                | 10.0  | 0.410 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:11 | 1       |
| Beryllium        | ND          |                | 1.00  | 0.147 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:11 | 1       |
| Cadmium          | ND          |                | 0.700 | 0.237 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:11 | 1       |
| Chromium         | ND          | ^+             | 5.00  | 3.69  | ug/L |   | 10/21/25 17:35 | 10/22/25 21:11 | 1       |
| <b>Cobalt</b>    | <b>1.39</b> | <b>J ^+ *+</b> | 5.00  | 0.411 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:11 | 1       |
| Copper           | ND          |                | 2.00  | 0.642 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:11 | 1       |
| Lead             | ND          |                | 1.00  | 0.864 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:11 | 1       |
| <b>Manganese</b> | <b>261</b>  |                | 5.00  | 1.29  | ug/L |   | 10/21/25 17:35 | 10/30/25 20:09 | 1       |
| <b>Nickel</b>    | <b>1.64</b> | <b>J</b>       | 5.00  | 0.422 | ug/L |   | 10/21/25 17:35 | 10/30/25 20:09 | 1       |
| Selenium         | ND          | ^+ *+          | 5.00  | 2.29  | ug/L |   | 10/21/25 17:35 | 10/22/25 21:11 | 1       |
| Silver           | ND          |                | 1.00  | 0.167 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:11 | 1       |
| Thallium         | ND          |                | 1.00  | 0.190 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:11 | 1       |
| <b>Vanadium</b>  | <b>1.74</b> | <b>J B ^+</b>  | 5.00  | 1.22  | ug/L |   | 10/21/25 17:35 | 10/22/25 21:11 | 1       |
| <b>Zinc</b>      | <b>23.7</b> |                | 10.0  | 8.91  | ug/L |   | 10/21/25 17:35 | 10/30/25 20:09 | 1       |

**Method: SW846 7470A - Mercury (CVAA)**

| Analyte | Result | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.200 | 0.166 | ug/L |   | 10/24/25 12:28 | 10/24/25 16:56 | 1       |

**General Chemistry**

| Analyte                              | Result      | Qualifier | RL     | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|--------------------------------------|-------------|-----------|--------|--------|------|---|----------|----------------|---------|
| Ammonia (as N) (EPA 350.1)           | ND          |           | 0.0500 | 0.0460 | mg/L |   |          | 10/24/25 12:40 | 1       |
| Nitrite as N (EPA 353.2)             | ND          |           | 0.100  | 0.0168 | mg/L |   |          | 10/16/25 16:28 | 1       |
| Nitrate as N (SM Nitrate by calc)    | ND          |           | 0.100  | 0.0250 | mg/L |   |          | 10/21/25 09:48 | 1       |
| Nitrate Nitrite as N (SM 4500 NO3 F) | ND          |           | 0.0500 | 0.0180 | mg/L |   |          | 10/21/25 19:07 | 1       |
| <b>Sulfate (SM 4500 SO4 E)</b>       | <b>13.3</b> |           | 5.00   | 1.40   | mg/L |   |          | 10/20/25 11:57 | 1       |

# Client Sample Results

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

Job ID: 752-38160-1

**Client Sample ID: MW-3**

**Lab Sample ID: 752-38160-3**

Date Collected: 10/15/25 13:15

Matrix: Water

Date Received: 10/16/25 09:00

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

| Analyte                     | Result       | Qualifier | RL   | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------------|-----------|------|--------|------|---|----------|----------------|---------|
| Acetone                     | ND           | *+        | 25.0 | 10.0   | ug/L |   |          | 10/23/25 16:13 | 1       |
| Benzene                     | ND           |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 16:13 | 1       |
| Bromobenzene                | ND           |           | 1.00 | 0.540  | ug/L |   |          | 10/23/25 16:13 | 1       |
| Bromoform                   | ND           |           | 5.00 | 0.250  | ug/L |   |          | 10/23/25 16:13 | 1       |
| Bromomethane                | ND           | *+        | 1.00 | 0.980  | ug/L |   |          | 10/23/25 16:13 | 1       |
| 2-Butanone (MEK)            | ND           |           | 25.0 | 2.60   | ug/L |   |          | 10/23/25 16:13 | 1       |
| <b>Carbon disulfide</b>     | <b>0.568</b> | <b>J</b>  | 1.00 | 0.500  | ug/L |   |          | 10/23/25 16:13 | 1       |
| Carbon tetrachloride        | ND           |           | 1.00 | 0.190  | ug/L |   |          | 10/23/25 16:13 | 1       |
| Chlorobenzene               | ND           |           | 1.00 | 0.420  | ug/L |   |          | 10/23/25 16:13 | 1       |
| Chlorobromomethane          | ND           |           | 1.00 | 0.520  | ug/L |   |          | 10/23/25 16:13 | 1       |
| Chlorodibromomethane        | ND           |           | 1.00 | 0.240  | ug/L |   |          | 10/23/25 16:13 | 1       |
| Chloroethane                | ND           |           | 1.00 | 0.760  | ug/L |   |          | 10/23/25 16:13 | 1       |
| Chloroform                  | ND           |           | 1.00 | 0.900  | ug/L |   |          | 10/23/25 16:13 | 1       |
| Chloromethane               | ND           |           | 1.00 | 0.400  | ug/L |   |          | 10/23/25 16:13 | 1       |
| 2-Chlorotoluene             | ND           |           | 1.00 | 0.570  | ug/L |   |          | 10/23/25 16:13 | 1       |
| 4-Chlorotoluene             | ND           |           | 1.00 | 0.560  | ug/L |   |          | 10/23/25 16:13 | 1       |
| cis-1,2-Dichloroethene      | ND           |           | 1.00 | 0.200  | ug/L |   |          | 10/23/25 16:13 | 1       |
| cis-1,3-Dichloropropene     | ND           |           | 5.00 | 0.500  | ug/L |   |          | 10/23/25 16:13 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND           |           | 5.00 | 1.50   | ug/L |   |          | 10/23/25 16:13 | 1       |
| Dibromomethane              | ND           |           | 5.00 | 0.220  | ug/L |   |          | 10/23/25 16:13 | 1       |
| 1,2-Dichlorobenzene         | ND           |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 16:13 | 1       |
| 1,3-Dichlorobenzene         | ND           |           | 1.00 | 0.540  | ug/L |   |          | 10/23/25 16:13 | 1       |
| 1,4-Dichlorobenzene         | ND           |           | 1.00 | 0.640  | ug/L |   |          | 10/23/25 16:13 | 1       |
| Dichlorobromomethane        | ND           |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 16:13 | 1       |
| 1,1-Dichloroethane          | ND           |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 16:13 | 1       |
| 1,2-Dichloroethane          | ND           |           | 1.00 | 0.550  | ug/L |   |          | 10/23/25 16:13 | 1       |
| 1,1-Dichloroethene          | ND           |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 16:13 | 1       |
| 1,2-Dichloropropane         | ND           |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 16:13 | 1       |
| 1,3-Dichloropropane         | ND           |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 16:13 | 1       |
| 2,2-Dichloropropane         | ND           |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 16:13 | 1       |
| 1,1-Dichloropropene         | ND           |           | 1.00 | 0.0900 | ug/L |   |          | 10/23/25 16:13 | 1       |
| Ethyl acetate               | ND           |           | 10.0 | 6.14   | ug/L |   |          | 10/23/25 16:13 | 1       |
| Ethylbenzene                | ND           |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 16:13 | 1       |
| Ethylene Dibromide          | ND           |           | 1.00 | 0.230  | ug/L |   |          | 10/23/25 16:13 | 1       |
| Hexachlorobutadiene         | ND           |           | 5.00 | 0.900  | ug/L |   |          | 10/23/25 16:13 | 1       |
| Hexane                      | ND           |           | 1.00 | 0.960  | ug/L |   |          | 10/23/25 16:13 | 1       |
| 2-Hexanone                  | ND           |           | 25.0 | 4.26   | ug/L |   |          | 10/23/25 16:13 | 1       |
| Iodomethane                 | ND           |           | 1.00 | 0.900  | ug/L |   |          | 10/23/25 16:13 | 1       |
| Isopropylbenzene            | ND           |           | 1.00 | 0.530  | ug/L |   |          | 10/23/25 16:13 | 1       |
| Isopropyl ether             | ND           |           | 1.00 | 0.740  | ug/L |   |          | 10/23/25 16:13 | 1       |
| 4-Isopropyltoluene          | ND           |           | 1.00 | 0.710  | ug/L |   |          | 10/23/25 16:13 | 1       |
| Methylene Chloride          | ND           |           | 5.00 | 4.00   | ug/L |   |          | 10/23/25 16:13 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND           |           | 25.0 | 1.80   | ug/L |   |          | 10/23/25 16:13 | 1       |
| Methyl tert-butyl ether     | ND           |           | 1.00 | 0.220  | ug/L |   |          | 10/23/25 16:13 | 1       |
| m-Xylene & p-Xylene         | ND           |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 16:13 | 1       |
| Naphthalene                 | ND           |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 16:13 | 1       |
| n-Butylbenzene              | ND           | *+        | 1.00 | 0.760  | ug/L |   |          | 10/23/25 16:13 | 1       |
| n-Heptane                   | ND           |           | 1.00 | 0.210  | ug/L |   |          | 10/23/25 16:13 | 1       |
| N-Propylbenzene             | ND           |           | 1.00 | 0.690  | ug/L |   |          | 10/23/25 16:13 | 1       |

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# Client Sample Results

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

Job ID: 752-38160-1

**Client Sample ID: MW-3**

**Lab Sample ID: 752-38160-3**

Date Collected: 10/15/25 13:15

Matrix: Water

Date Received: 10/16/25 09:00

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| o-Xylene                              | ND     |           | 5.00 | 3.00  | ug/L |   |          | 10/23/25 16:13 | 1       |
| sec-Butylbenzene                      | ND     |           | 1.00 | 0.700 | ug/L |   |          | 10/23/25 16:13 | 1       |
| Styrene                               | ND     |           | 1.00 | 1.00  | ug/L |   |          | 10/23/25 16:13 | 1       |
| tert-Butylbenzene                     | ND     |           | 1.00 | 0.630 | ug/L |   |          | 10/23/25 16:13 | 1       |
| 1,1,1,2-Tetrachloroethane             | ND     |           | 1.00 | 0.380 | ug/L |   |          | 10/23/25 16:13 | 1       |
| 1,1,1,2,2-Tetrachloroethane           | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 16:13 | 1       |
| Tetrachloroethene                     | ND     |           | 1.00 | 0.330 | ug/L |   |          | 10/23/25 16:13 | 1       |
| Toluene                               | ND     |           | 1.00 | 0.900 | ug/L |   |          | 10/23/25 16:13 | 1       |
| trans-1,4-Dichloro-2-butene           | ND     |           | 5.00 | 1.00  | ug/L |   |          | 10/23/25 16:13 | 1       |
| trans-1,2-Dichloroethene              | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 16:13 | 1       |
| trans-1,3-Dichloropropene             | ND     |           | 5.00 | 0.200 | ug/L |   |          | 10/23/25 16:13 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 1.00 | 0.900 | ug/L |   |          | 10/23/25 16:13 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 1.00 | 0.820 | ug/L |   |          | 10/23/25 16:13 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 1.00 | 0.180 | ug/L |   |          | 10/23/25 16:13 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 5.00 | 0.210 | ug/L |   |          | 10/23/25 16:13 | 1       |
| Trichloroethene                       | ND     |           | 1.00 | 0.150 | ug/L |   |          | 10/23/25 16:13 | 1       |
| Trichlorofluoromethane                | ND     |           | 1.00 | 0.250 | ug/L |   |          | 10/23/25 16:13 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 5.00 | 0.840 | ug/L |   |          | 10/23/25 16:13 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 16:13 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 1.00 | 0.820 | ug/L |   |          | 10/23/25 16:13 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 1.00 | 0.560 | ug/L |   |          | 10/23/25 16:13 | 1       |
| Vinyl acetate                         | ND     |           | 25.0 | 0.930 | ug/L |   |          | 10/23/25 16:13 | 1       |
| Vinyl chloride                        | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 16:13 | 1       |
| Xylenes, Total                        | ND     |           | 10.0 | 6.00  | ug/L |   |          | 10/23/25 16:13 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene         | 100       |           | 56 - 136 |          | 10/23/25 16:13 | 1       |
| Dibromofluoromethane         | 105       |           | 79 - 130 |          | 10/23/25 16:13 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 106       |           | 59 - 146 |          | 10/23/25 16:13 | 1       |
| Toluene-d8 (Surr)            | 105       |           | 64 - 132 |          | 10/23/25 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     |           | 0.282 | 0.282 | ug/L |   | 10/17/25 16:54 | 10/21/25 16:15 | 1       |

| Isotope Dilution | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Dioxane-d8   | 26        |           | 10 - 140 | 10/17/25 16:54 | 10/21/25 16:15 | 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 |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| 2,4,5-Trichlorophenol | ND     |           | 10.0 | 0.540 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| 2,4,6-Trichlorophenol | ND     |           | 10.0 | 1.09  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| 2,4-Dichlorophenol    | ND     |           | 10.0 | 0.570 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| 2,4-Dimethylphenol    | ND     |           | 10.0 | 0.240 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| 2,4-Dinitrophenol     | ND     | *         | 30.0 | 4.68  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| 2,4-Dinitrotoluene    | ND     | **        | 10.0 | 0.650 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| 2,6-Dinitrotoluene    | ND     | **        | 10.0 | 0.290 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| 2-Chloronaphthalene   | ND     |           | 10.0 | 0.380 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| 2-Chlorophenol        | ND     |           | 10.0 | 0.840 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| 2-Methylnaphthalene   | ND     |           | 10.0 | 0.810 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |

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# Client Sample Results

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

Job ID: 752-38160-1

**Client Sample ID: MW-3**  
**Date Collected: 10/15/25 13:15**  
**Date Received: 10/16/25 09:00**

**Lab Sample ID: 752-38160-3**  
**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 |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| 2-Nitroaniline                | ND     | ++        | 10.0 | 1.37  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| 2-Nitrophenol                 | ND     | ++        | 10.0 | 1.17  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| 3 & 4 Methylphenol            | ND     |           | 20.0 | 4.60  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 11.0 | 0.410 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| 3-Nitroaniline                | ND     | ++        | 10.0 | 0.950 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 10.0 | 1.97  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 10.0 | 0.130 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 10.0 | 0.730 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| 4-Chloroaniline               | ND     | ++        | 10.0 | 0.580 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 10.0 | 0.240 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| 4-Nitroaniline                | ND     | ++        | 10.0 | 3.50  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| 4-Nitrophenol                 | ND     |           | 10.0 | 2.74  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| Acenaphthene                  | ND     |           | 10.0 | 0.630 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| Acenaphthylene                | ND     |           | 10.0 | 0.760 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| Acetophenone                  | ND     |           | 10.0 | 3.20  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| Anthracene                    | ND     |           | 10.0 | 0.910 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| Atrazine                      | ND     |           | 10.0 | 1.13  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| Benzaldehyde                  | ND     |           | 10.0 | 0.670 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| Benzo[a]anthracene            | ND     |           | 10.0 | 1.00  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| Benzo[a]pyrene                | ND     |           | 10.0 | 1.10  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| Benzo[b]fluoranthene          | ND     |           | 10.0 | 1.20  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| Benzo[g,h,i]perylene          | ND     |           | 10.0 | 1.50  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| Benzo[k]fluoranthene          | ND     |           | 10.0 | 1.50  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 10.0 | 0.930 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 10.0 | 0.340 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 10.0 | 0.730 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 10.0 | 4.00  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| Butyl benzyl phthalate        | ND     |           | 10.0 | 4.00  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| Caprolactam                   | ND     |           | 10.0 | 2.40  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| Carbazole                     | ND     |           | 10.0 | 0.320 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| Chrysene                      | ND     |           | 10.0 | 1.20  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 10.0 | 1.30  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| Dibenzofuran                  | ND     |           | 10.0 | 0.640 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| Diethyl phthalate             | ND     |           | 10.0 | 4.00  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| Dimethyl phthalate            | ND     |           | 10.0 | 4.00  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| Di-n-butyl phthalate          | ND     |           | 10.0 | 8.19  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| Di-n-octyl phthalate          | ND     |           | 10.0 | 4.00  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| Fluoranthene                  | ND     |           | 10.0 | 0.630 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| Fluorene                      | ND     |           | 10.0 | 0.670 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| Hexachlorobenzene             | ND     |           | 10.0 | 0.250 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| Hexachlorobutadiene           | ND     |           | 10.0 | 0.550 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| Hexachlorocyclopentadiene     | ND     |           | 20.0 | 0.320 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| Hexachloroethane              | ND     |           | 10.0 | 0.530 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| Indeno[1,2,3-cd]pyrene        | ND     |           | 10.0 | 1.10  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| Isophorone                    | ND     |           | 10.0 | 0.800 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| Naphthalene                   | ND     |           | 10.0 | 0.750 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| Nitrobenzene                  | ND     |           | 10.0 | 0.600 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| N-Nitrosodi-n-propylamine     | ND     |           | 10.0 | 0.330 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |

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# Client Sample Results

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

Job ID: 752-38160-1

**Client Sample ID: MW-3**

**Lab Sample ID: 752-38160-3**

Date Collected: 10/15/25 13:15

Matrix: Water

Date Received: 10/16/25 09:00

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

| Analyte                | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| N-Nitrosodiphenylamine | ND     |           | 10.0 | 0.190 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| Pentachlorophenol      | ND     |           | 10.0 | 2.80  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| Phenanthrene           | ND     |           | 10.0 | 0.740 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| Phenol                 | ND     |           | 10.0 | 0.680 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| Pyrene                 | ND     |           | 10.0 | 0.630 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:00 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   |  |  |  | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|--|--|--|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 116       |           | 10 - 150 |  |  |  | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| 2-Fluorobiphenyl (Surr)     | 87        |           | 25 - 139 |  |  |  | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| 2-Fluorophenol (Surr)       | 92        |           | 10 - 150 |  |  |  | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| Nitrobenzene-d5 (Surr)      | 122       |           | 22 - 150 |  |  |  | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| Phenol-d5 (Surr)            | 90        |           | 10 - 150 |  |  |  | 10/20/25 11:48 | 10/23/25 21:00 | 1       |
| Terphenyl-d14 (Surr)        | 60        |           | 28 - 150 |  |  |  | 10/20/25 11:48 | 10/23/25 21:00 | 1       |

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

| Analyte          | Result       | Qualifier      | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|----------------|-------|-------|------|---|----------------|----------------|---------|
| Antimony         | ND           |                | 5.00  | 2.45  | ug/L |   | 10/21/25 17:35 | 10/22/25 21:14 | 1       |
| <b>Arsenic</b>   | <b>16.2</b>  |                | 5.00  | 1.32  | ug/L |   | 10/21/25 17:35 | 10/22/25 21:14 | 1       |
| <b>Barium</b>    | <b>386</b>   |                | 10.0  | 0.410 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:14 | 1       |
| Beryllium        | ND           |                | 1.00  | 0.147 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:14 | 1       |
| Cadmium          | ND           |                | 0.700 | 0.237 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:14 | 1       |
| Chromium         | ND           | ^+             | 5.00  | 3.69  | ug/L |   | 10/21/25 17:35 | 10/22/25 21:14 | 1       |
| <b>Cobalt</b>    | <b>1.13</b>  | <b>J ^+ *+</b> | 5.00  | 0.411 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:14 | 1       |
| <b>Copper</b>    | <b>0.810</b> | <b>J</b>       | 2.00  | 0.642 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:14 | 1       |
| Lead             | ND           |                | 1.00  | 0.864 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:14 | 1       |
| <b>Manganese</b> | <b>310</b>   |                | 5.00  | 1.29  | ug/L |   | 10/21/25 17:35 | 10/30/25 20:11 | 1       |
| <b>Nickel</b>    | <b>2.67</b>  | <b>J</b>       | 5.00  | 0.422 | ug/L |   | 10/21/25 17:35 | 10/30/25 20:11 | 1       |
| Selenium         | ND           | ^+ *+          | 5.00  | 2.29  | ug/L |   | 10/21/25 17:35 | 10/22/25 21:14 | 1       |
| Silver           | ND           |                | 1.00  | 0.167 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:14 | 1       |
| Thallium         | ND           |                | 1.00  | 0.190 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:14 | 1       |
| <b>Vanadium</b>  | <b>2.38</b>  | <b>J B ^+</b>  | 5.00  | 1.22  | ug/L |   | 10/21/25 17:35 | 10/22/25 21:14 | 1       |
| <b>Zinc</b>      | <b>787</b>   |                | 10.0  | 8.91  | ug/L |   | 10/21/25 17:35 | 10/30/25 20:11 | 1       |

**Method: SW846 7470A - Mercury (CVAA)**

| Analyte | Result | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.200 | 0.166 | ug/L |   | 10/24/25 12:28 | 10/24/25 17:00 | 1       |

**General Chemistry**

| Analyte                                     | Result        | Qualifier | RL     | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|---|---------------|-----------|--------|--------|------|---|----------|----------------|---------|
| Ammonia (as N) (EPA 350.1)                  | ND            |           | 0.0500 | 0.0460 | mg/L |   |          | 10/24/25 12:42 | 1       |
| Nitrite as N (EPA 353.2)                    | ND            |           | 0.100  | 0.0168 | mg/L |   |          | 10/16/25 16:29 | 1       |
| Nitrate as N (SM Nitrate by calc)           | ND            |           | 0.100  | 0.0250 | mg/L |   |          | 10/21/25 09:48 | 1       |
| <b>Nitrate Nitrite as N (SM 4500 NO3 F)</b> | <b>0.0210</b> | <b>J</b>  | 0.0500 | 0.0180 | mg/L |   |          | 10/21/25 19:09 | 1       |
| <b>Sulfate (SM 4500 SO4 E)</b>              | <b>13.7</b>   |           | 5.00   | 1.40   | mg/L |   |          | 10/20/25 11:58 | 1       |

# Client Sample Results

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

Job ID: 752-38160-1

**Client Sample ID: MW-4**  
Date Collected: 10/15/25 12:40  
Date Received: 10/16/25 09:00

**Lab Sample ID: 752-38160-4**  
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 |   |          | 10/23/25 16:40 | 1       |
| Benzene                     | ND           |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 16:40 | 1       |
| Bromobenzene                | ND           |           | 1.00 | 0.540  | ug/L |   |          | 10/23/25 16:40 | 1       |
| Bromoform                   | ND           |           | 5.00 | 0.250  | ug/L |   |          | 10/23/25 16:40 | 1       |
| Bromomethane                | ND           | *+        | 1.00 | 0.980  | ug/L |   |          | 10/23/25 16:40 | 1       |
| 2-Butanone (MEK)            | ND           |           | 25.0 | 2.60   | ug/L |   |          | 10/23/25 16:40 | 1       |
| <b>Carbon disulfide</b>     | <b>0.554</b> | <b>J</b>  | 1.00 | 0.500  | ug/L |   |          | 10/23/25 16:40 | 1       |
| Carbon tetrachloride        | ND           |           | 1.00 | 0.190  | ug/L |   |          | 10/23/25 16:40 | 1       |
| Chlorobenzene               | ND           |           | 1.00 | 0.420  | ug/L |   |          | 10/23/25 16:40 | 1       |
| Chlorobromomethane          | ND           |           | 1.00 | 0.520  | ug/L |   |          | 10/23/25 16:40 | 1       |
| Chlorodibromomethane        | ND           |           | 1.00 | 0.240  | ug/L |   |          | 10/23/25 16:40 | 1       |
| Chloroethane                | ND           |           | 1.00 | 0.760  | ug/L |   |          | 10/23/25 16:40 | 1       |
| Chloroform                  | ND           |           | 1.00 | 0.900  | ug/L |   |          | 10/23/25 16:40 | 1       |
| Chloromethane               | ND           |           | 1.00 | 0.400  | ug/L |   |          | 10/23/25 16:40 | 1       |
| 2-Chlorotoluene             | ND           |           | 1.00 | 0.570  | ug/L |   |          | 10/23/25 16:40 | 1       |
| 4-Chlorotoluene             | ND           |           | 1.00 | 0.560  | ug/L |   |          | 10/23/25 16:40 | 1       |
| cis-1,2-Dichloroethene      | ND           |           | 1.00 | 0.200  | ug/L |   |          | 10/23/25 16:40 | 1       |
| cis-1,3-Dichloropropene     | ND           |           | 5.00 | 0.500  | ug/L |   |          | 10/23/25 16:40 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND           |           | 5.00 | 1.50   | ug/L |   |          | 10/23/25 16:40 | 1       |
| Dibromomethane              | ND           |           | 5.00 | 0.220  | ug/L |   |          | 10/23/25 16:40 | 1       |
| 1,2-Dichlorobenzene         | ND           |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 16:40 | 1       |
| 1,3-Dichlorobenzene         | ND           |           | 1.00 | 0.540  | ug/L |   |          | 10/23/25 16:40 | 1       |
| 1,4-Dichlorobenzene         | ND           |           | 1.00 | 0.640  | ug/L |   |          | 10/23/25 16:40 | 1       |
| Dichlorobromomethane        | ND           |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 16:40 | 1       |
| 1,1-Dichloroethane          | ND           |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 16:40 | 1       |
| 1,2-Dichloroethane          | ND           |           | 1.00 | 0.550  | ug/L |   |          | 10/23/25 16:40 | 1       |
| 1,1-Dichloroethene          | ND           |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 16:40 | 1       |
| 1,2-Dichloropropane         | ND           |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 16:40 | 1       |
| 1,3-Dichloropropane         | ND           |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 16:40 | 1       |
| 2,2-Dichloropropane         | ND           |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 16:40 | 1       |
| 1,1-Dichloropropene         | ND           |           | 1.00 | 0.0900 | ug/L |   |          | 10/23/25 16:40 | 1       |
| Ethyl acetate               | ND           |           | 10.0 | 6.14   | ug/L |   |          | 10/23/25 16:40 | 1       |
| Ethylbenzene                | ND           |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 16:40 | 1       |
| Ethylene Dibromide          | ND           |           | 1.00 | 0.230  | ug/L |   |          | 10/23/25 16:40 | 1       |
| Hexachlorobutadiene         | ND           |           | 5.00 | 0.900  | ug/L |   |          | 10/23/25 16:40 | 1       |
| Hexane                      | ND           |           | 1.00 | 0.960  | ug/L |   |          | 10/23/25 16:40 | 1       |
| 2-Hexanone                  | ND           |           | 25.0 | 4.26   | ug/L |   |          | 10/23/25 16:40 | 1       |
| Iodomethane                 | ND           |           | 1.00 | 0.900  | ug/L |   |          | 10/23/25 16:40 | 1       |
| Isopropylbenzene            | ND           |           | 1.00 | 0.530  | ug/L |   |          | 10/23/25 16:40 | 1       |
| Isopropyl ether             | ND           |           | 1.00 | 0.740  | ug/L |   |          | 10/23/25 16:40 | 1       |
| 4-Isopropyltoluene          | ND           |           | 1.00 | 0.710  | ug/L |   |          | 10/23/25 16:40 | 1       |
| Methylene Chloride          | ND           |           | 5.00 | 4.00   | ug/L |   |          | 10/23/25 16:40 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND           |           | 25.0 | 1.80   | ug/L |   |          | 10/23/25 16:40 | 1       |
| Methyl tert-butyl ether     | ND           |           | 1.00 | 0.220  | ug/L |   |          | 10/23/25 16:40 | 1       |
| m-Xylene & p-Xylene         | ND           |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 16:40 | 1       |
| Naphthalene                 | ND           |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 16:40 | 1       |
| n-Butylbenzene              | ND           | *+        | 1.00 | 0.760  | ug/L |   |          | 10/23/25 16:40 | 1       |
| n-Heptane                   | ND           |           | 1.00 | 0.210  | ug/L |   |          | 10/23/25 16:40 | 1       |
| N-Propylbenzene             | ND           |           | 1.00 | 0.690  | ug/L |   |          | 10/23/25 16:40 | 1       |

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# Client Sample Results

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

Job ID: 752-38160-1

**Client Sample ID: MW-4**  
**Date Collected: 10/15/25 12:40**  
**Date Received: 10/16/25 09:00**

**Lab Sample ID: 752-38160-4**  
**Matrix: Water**

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| o-Xylene                              | ND     |           | 5.00 | 3.00  | ug/L |   |          | 10/23/25 16:40 | 1       |
| sec-Butylbenzene                      | ND     |           | 1.00 | 0.700 | ug/L |   |          | 10/23/25 16:40 | 1       |
| Styrene                               | ND     |           | 1.00 | 1.00  | ug/L |   |          | 10/23/25 16:40 | 1       |
| tert-Butylbenzene                     | ND     |           | 1.00 | 0.630 | ug/L |   |          | 10/23/25 16:40 | 1       |
| 1,1,1,2-Tetrachloroethane             | ND     |           | 1.00 | 0.380 | ug/L |   |          | 10/23/25 16:40 | 1       |
| 1,1,1,2,2-Tetrachloroethane           | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 16:40 | 1       |
| Tetrachloroethene                     | ND     |           | 1.00 | 0.330 | ug/L |   |          | 10/23/25 16:40 | 1       |
| Toluene                               | ND     |           | 1.00 | 0.900 | ug/L |   |          | 10/23/25 16:40 | 1       |
| trans-1,4-Dichloro-2-butene           | ND     |           | 5.00 | 1.00  | ug/L |   |          | 10/23/25 16:40 | 1       |
| trans-1,2-Dichloroethene              | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 16:40 | 1       |
| trans-1,3-Dichloropropene             | ND     |           | 5.00 | 0.200 | ug/L |   |          | 10/23/25 16:40 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 1.00 | 0.900 | ug/L |   |          | 10/23/25 16:40 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 1.00 | 0.820 | ug/L |   |          | 10/23/25 16:40 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 1.00 | 0.180 | ug/L |   |          | 10/23/25 16:40 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 5.00 | 0.210 | ug/L |   |          | 10/23/25 16:40 | 1       |
| Trichloroethene                       | ND     |           | 1.00 | 0.150 | ug/L |   |          | 10/23/25 16:40 | 1       |
| Trichlorofluoromethane                | ND     |           | 1.00 | 0.250 | ug/L |   |          | 10/23/25 16:40 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 5.00 | 0.840 | ug/L |   |          | 10/23/25 16:40 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 16:40 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 1.00 | 0.820 | ug/L |   |          | 10/23/25 16:40 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 1.00 | 0.560 | ug/L |   |          | 10/23/25 16:40 | 1       |
| Vinyl acetate                         | ND     |           | 25.0 | 0.930 | ug/L |   |          | 10/23/25 16:40 | 1       |
| Vinyl chloride                        | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 16:40 | 1       |
| Xylenes, Total                        | ND     |           | 10.0 | 6.00  | ug/L |   |          | 10/23/25 16:40 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene         | 103       |           | 56 - 136 |          | 10/23/25 16:40 | 1       |
| Dibromofluoromethane         | 106       |           | 79 - 130 |          | 10/23/25 16:40 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 107       |           | 59 - 146 |          | 10/23/25 16:40 | 1       |
| Toluene-d8 (Surr)            | 102       |           | 64 - 132 |          | 10/23/25 16:40 | 1       |

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

| Analyte     | Result | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| 1,4-Dioxane | ND     |           | 0.284 | 0.284 | ug/L |   | 10/17/25 16:54 | 10/21/25 16:37 | 1       |

| Isotope Dilution | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Dioxane-d8   | 24        |           | 10 - 140 | 10/17/25 16:54 | 10/21/25 16:37 | 1       |

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

| Analyte               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| 1,1'-Biphenyl         | ND     |           | 10.2 | 0.430 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| 2,4,5-Trichlorophenol | ND     |           | 10.2 | 0.553 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| 2,4,6-Trichlorophenol | ND     |           | 10.2 | 1.12  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| 2,4-Dichlorophenol    | ND     |           | 10.2 | 0.584 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| 2,4-Dimethylphenol    | ND     |           | 10.2 | 0.246 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| 2,4-Dinitrophenol     | ND     | *         | 30.7 | 4.79  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| 2,4-Dinitrotoluene    | ND     | *+        | 10.2 | 0.666 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| 2,6-Dinitrotoluene    | ND     | *+        | 10.2 | 0.297 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| 2-Chloronaphthalene   | ND     |           | 10.2 | 0.389 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| 2-Chlorophenol        | ND     |           | 10.2 | 0.860 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| 2-Methylnaphthalene   | ND     |           | 10.2 | 0.829 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |

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# Client Sample Results

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

Job ID: 752-38160-1

**Client Sample ID: MW-4**  
**Date Collected: 10/15/25 12:40**  
**Date Received: 10/16/25 09:00**

**Lab Sample ID: 752-38160-4**  
**Matrix: Water**

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

| Analyte                       | Result      | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|-------------|-----------|------|-------|------|---|----------------|----------------|---------|
| 2-Methylphenol                | ND          |           | 10.2 | 0.778 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| 2-Nitroaniline                | ND          | ++        | 10.2 | 1.40  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| 2-Nitrophenol                 | ND          | ++        | 10.2 | 1.20  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| 3 & 4 Methylphenol            | ND          |           | 20.5 | 4.71  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| 3,3'-Dichlorobenzidine        | ND          |           | 11.3 | 0.420 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| 3-Nitroaniline                | ND          | ++        | 10.2 | 0.973 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND          |           | 10.2 | 2.02  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| 4-Bromophenyl phenyl ether    | ND          |           | 10.2 | 0.133 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| 4-Chloro-3-methylphenol       | ND          |           | 10.2 | 0.747 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| 4-Chloroaniline               | ND          | ++        | 10.2 | 0.594 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| 4-Chlorophenyl phenyl ether   | ND          |           | 10.2 | 0.246 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| 4-Nitroaniline                | ND          | ++        | 10.2 | 3.58  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| 4-Nitrophenol                 | ND          |           | 10.2 | 2.81  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| Acenaphthene                  | ND          |           | 10.2 | 0.645 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| Acenaphthylene                | ND          |           | 10.2 | 0.778 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| Acetophenone                  | ND          |           | 10.2 | 3.28  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| Anthracene                    | ND          |           | 10.2 | 0.932 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| Atrazine                      | ND          |           | 10.2 | 1.16  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| Benzaldehyde                  | ND          |           | 10.2 | 0.686 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| Benzo[a]anthracene            | ND          |           | 10.2 | 1.02  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| Benzo[a]pyrene                | ND          |           | 10.2 | 1.13  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| Benzo[b]fluoranthene          | ND          |           | 10.2 | 1.23  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| Benzo[g,h,i]perylene          | ND          |           | 10.2 | 1.54  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| Benzo[k]fluoranthene          | ND          |           | 10.2 | 1.54  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| bis (2-chloroisopropyl) ether | ND          |           | 10.2 | 0.952 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| Bis(2-chloroethoxy)methane    | ND          |           | 10.2 | 0.348 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| Bis(2-chloroethyl)ether       | ND          |           | 10.2 | 0.747 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND          |           | 10.2 | 4.10  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| Butyl benzyl phthalate        | ND          |           | 10.2 | 4.10  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| <b>Caprolactam</b>            | <b>4.83</b> | <b>J</b>  | 10.2 | 2.46  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| Carbazole                     | ND          |           | 10.2 | 0.328 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| Chrysene                      | ND          |           | 10.2 | 1.23  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| Dibenz(a,h)anthracene         | ND          |           | 10.2 | 1.33  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| Dibenzofuran                  | ND          |           | 10.2 | 0.655 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| Diethyl phthalate             | ND          |           | 10.2 | 4.10  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| Dimethyl phthalate            | ND          |           | 10.2 | 4.10  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| Di-n-butyl phthalate          | ND          |           | 10.2 | 8.39  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| Di-n-octyl phthalate          | ND          |           | 10.2 | 4.10  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| Fluoranthene                  | ND          |           | 10.2 | 0.645 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| Fluorene                      | ND          |           | 10.2 | 0.686 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| Hexachlorobenzene             | ND          |           | 10.2 | 0.256 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| Hexachlorobutadiene           | ND          |           | 10.2 | 0.563 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| Hexachlorocyclopentadiene     | ND          |           | 20.5 | 0.328 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| Hexachloroethane              | ND          |           | 10.2 | 0.543 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| Indeno[1,2,3-cd]pyrene        | ND          |           | 10.2 | 1.13  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| Isophorone                    | ND          |           | 10.2 | 0.819 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| Naphthalene                   | ND          |           | 10.2 | 0.768 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| Nitrobenzene                  | ND          |           | 10.2 | 0.614 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| N-Nitrosodi-n-propylamine     | ND          |           | 10.2 | 0.338 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |

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# Client Sample Results

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

Job ID: 752-38160-1

**Client Sample ID: MW-4**  
**Date Collected: 10/15/25 12:40**  
**Date Received: 10/16/25 09:00**

**Lab Sample ID: 752-38160-4**  
**Matrix: Water**

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

| Analyte                | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| N-Nitrosodiphenylamine | ND     |           | 10.2 | 0.195 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| Pentachlorophenol      | ND     |           | 10.2 | 2.87  | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| Phenanthrene           | ND     |           | 10.2 | 0.758 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| Phenol                 | ND     |           | 10.2 | 0.696 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| Pyrene                 | ND     |           | 10.2 | 0.645 | ug/L |   | 10/20/25 11:48 | 10/23/25 21:32 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   |  |  |  | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|--|--|--|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 110       |           | 10 - 150 |  |  |  | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| 2-Fluorobiphenyl (Surr)     | 82        |           | 25 - 139 |  |  |  | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| 2-Fluorophenol (Surr)       | 72        |           | 10 - 150 |  |  |  | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| Nitrobenzene-d5 (Surr)      | 112       |           | 22 - 150 |  |  |  | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| Phenol-d5 (Surr)            | 66        |           | 10 - 150 |  |  |  | 10/20/25 11:48 | 10/23/25 21:32 | 1       |
| Terphenyl-d14 (Surr)        | 60        |           | 28 - 150 |  |  |  | 10/20/25 11:48 | 10/23/25 21:32 | 1       |

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

| Analyte          | Result       | Qualifier      | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|----------------|-------|-------|------|---|----------------|----------------|---------|
| Antimony         | ND           |                | 5.00  | 2.45  | ug/L |   | 10/21/25 17:35 | 10/22/25 21:16 | 1       |
| <b>Arsenic</b>   | <b>2.38</b>  | <b>J</b>       | 5.00  | 1.32  | ug/L |   | 10/21/25 17:35 | 10/22/25 21:16 | 1       |
| <b>Barium</b>    | <b>440</b>   |                | 10.0  | 0.410 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:16 | 1       |
| <b>Beryllium</b> | <b>0.213</b> | <b>J</b>       | 1.00  | 0.147 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:16 | 1       |
| Cadmium          | ND           |                | 0.700 | 0.237 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:16 | 1       |
| Chromium         | ND           | ^+             | 5.00  | 3.69  | ug/L |   | 10/21/25 17:35 | 10/22/25 21:16 | 1       |
| <b>Cobalt</b>    | <b>2.00</b>  | <b>J ^+ *+</b> | 5.00  | 0.411 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:16 | 1       |
| <b>Copper</b>    | <b>1.78</b>  | <b>J</b>       | 2.00  | 0.642 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:16 | 1       |
| Lead             | ND           |                | 1.00  | 0.864 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:16 | 1       |
| <b>Manganese</b> | <b>606</b>   |                | 5.00  | 1.29  | ug/L |   | 10/21/25 17:35 | 10/30/25 20:14 | 1       |
| <b>Nickel</b>    | <b>4.54</b>  | <b>J</b>       | 5.00  | 0.422 | ug/L |   | 10/21/25 17:35 | 10/30/25 20:14 | 1       |
| Selenium         | ND           | ^+ *+          | 5.00  | 2.29  | ug/L |   | 10/21/25 17:35 | 10/22/25 21:16 | 1       |
| Silver           | ND           |                | 1.00  | 0.167 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:16 | 1       |
| Thallium         | ND           |                | 1.00  | 0.190 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:16 | 1       |
| <b>Vanadium</b>  | <b>3.40</b>  | <b>J B ^+</b>  | 5.00  | 1.22  | ug/L |   | 10/21/25 17:35 | 10/22/25 21:16 | 1       |
| <b>Zinc</b>      | <b>12.9</b>  |                | 10.0  | 8.91  | ug/L |   | 10/21/25 17:35 | 10/30/25 20:14 | 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 |   | 10/24/25 12:28 | 10/24/25 17:04 | 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 |   |          | 10/24/25 12:45 | 1       |
| Nitrite as N (EPA 353.2)                    | ND           |           | 0.100  | 0.0168 | mg/L |   |          | 10/16/25 16:30 | 1       |
| <b>Nitrate as N (SM Nitrate by calc)</b>    | <b>0.123</b> |           | 0.100  | 0.0250 | mg/L |   |          | 10/21/25 09:48 | 1       |
| <b>Nitrate Nitrite as N (SM 4500 NO3 F)</b> | <b>0.123</b> |           | 0.0500 | 0.0180 | mg/L |   |          | 10/21/25 19:10 | 1       |
| <b>Sulfate (SM 4500 SO4 E)</b>              | <b>4.30</b>  | <b>J</b>  | 5.00   | 1.40   | mg/L |   |          | 10/20/25 11:58 | 1       |

# Client Sample Results

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

Job ID: 752-38160-1

**Client Sample ID: MW-5**  
**Date Collected: 10/15/25 16:15**  
**Date Received: 10/16/25 09:00**

**Lab Sample ID: 752-38160-5**  
**Matrix: Water**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

| Analyte                     | Result | Qualifier | RL   | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|--------|------|---|----------|----------------|---------|
| Acetone                     | ND     | *+        | 25.0 | 10.0   | ug/L |   |          | 10/23/25 17:06 | 1       |
| Benzene                     | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 17:06 | 1       |
| Bromobenzene                | ND     |           | 1.00 | 0.540  | ug/L |   |          | 10/23/25 17:06 | 1       |
| Bromoform                   | ND     |           | 5.00 | 0.250  | ug/L |   |          | 10/23/25 17:06 | 1       |
| Bromomethane                | ND     | *+        | 1.00 | 0.980  | ug/L |   |          | 10/23/25 17:06 | 1       |
| 2-Butanone (MEK)            | ND     |           | 25.0 | 2.60   | ug/L |   |          | 10/23/25 17:06 | 1       |
| Carbon disulfide            | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 17:06 | 1       |
| Carbon tetrachloride        | ND     |           | 1.00 | 0.190  | ug/L |   |          | 10/23/25 17:06 | 1       |
| Chlorobenzene               | ND     |           | 1.00 | 0.420  | ug/L |   |          | 10/23/25 17:06 | 1       |
| Chlorobromomethane          | ND     |           | 1.00 | 0.520  | ug/L |   |          | 10/23/25 17:06 | 1       |
| Chlorodibromomethane        | ND     |           | 1.00 | 0.240  | ug/L |   |          | 10/23/25 17:06 | 1       |
| Chloroethane                | ND     |           | 1.00 | 0.760  | ug/L |   |          | 10/23/25 17:06 | 1       |
| Chloroform                  | ND     |           | 1.00 | 0.900  | ug/L |   |          | 10/23/25 17:06 | 1       |
| Chloromethane               | ND     |           | 1.00 | 0.400  | ug/L |   |          | 10/23/25 17:06 | 1       |
| 2-Chlorotoluene             | ND     |           | 1.00 | 0.570  | ug/L |   |          | 10/23/25 17:06 | 1       |
| 4-Chlorotoluene             | ND     |           | 1.00 | 0.560  | ug/L |   |          | 10/23/25 17:06 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 1.00 | 0.200  | ug/L |   |          | 10/23/25 17:06 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 5.00 | 0.500  | ug/L |   |          | 10/23/25 17:06 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND     |           | 5.00 | 1.50   | ug/L |   |          | 10/23/25 17:06 | 1       |
| Dibromomethane              | ND     |           | 5.00 | 0.220  | ug/L |   |          | 10/23/25 17:06 | 1       |
| 1,2-Dichlorobenzene         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 17:06 | 1       |
| 1,3-Dichlorobenzene         | ND     |           | 1.00 | 0.540  | ug/L |   |          | 10/23/25 17:06 | 1       |
| 1,4-Dichlorobenzene         | ND     |           | 1.00 | 0.640  | ug/L |   |          | 10/23/25 17:06 | 1       |
| Dichlorobromomethane        | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 17:06 | 1       |
| 1,1-Dichloroethane          | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 17:06 | 1       |
| 1,2-Dichloroethane          | ND     |           | 1.00 | 0.550  | ug/L |   |          | 10/23/25 17:06 | 1       |
| 1,1-Dichloroethene          | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 17:06 | 1       |
| 1,2-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 17:06 | 1       |
| 1,3-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 17:06 | 1       |
| 2,2-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 17:06 | 1       |
| 1,1-Dichloropropene         | ND     |           | 1.00 | 0.0900 | ug/L |   |          | 10/23/25 17:06 | 1       |
| Ethyl acetate               | ND     |           | 10.0 | 6.14   | ug/L |   |          | 10/23/25 17:06 | 1       |
| Ethylbenzene                | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 17:06 | 1       |
| Ethylene Dibromide          | ND     |           | 1.00 | 0.230  | ug/L |   |          | 10/23/25 17:06 | 1       |
| Hexachlorobutadiene         | ND     |           | 5.00 | 0.900  | ug/L |   |          | 10/23/25 17:06 | 1       |
| Hexane                      | ND     |           | 1.00 | 0.960  | ug/L |   |          | 10/23/25 17:06 | 1       |
| 2-Hexanone                  | ND     |           | 25.0 | 4.26   | ug/L |   |          | 10/23/25 17:06 | 1       |
| Iodomethane                 | ND     |           | 1.00 | 0.900  | ug/L |   |          | 10/23/25 17:06 | 1       |
| Isopropylbenzene            | ND     |           | 1.00 | 0.530  | ug/L |   |          | 10/23/25 17:06 | 1       |
| Isopropyl ether             | ND     |           | 1.00 | 0.740  | ug/L |   |          | 10/23/25 17:06 | 1       |
| 4-Isopropyltoluene          | ND     |           | 1.00 | 0.710  | ug/L |   |          | 10/23/25 17:06 | 1       |
| Methylene Chloride          | ND     |           | 5.00 | 4.00   | ug/L |   |          | 10/23/25 17:06 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     |           | 25.0 | 1.80   | ug/L |   |          | 10/23/25 17:06 | 1       |
| Methyl tert-butyl ether     | ND     |           | 1.00 | 0.220  | ug/L |   |          | 10/23/25 17:06 | 1       |
| m-Xylene & p-Xylene         | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 17:06 | 1       |
| Naphthalene                 | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 17:06 | 1       |
| n-Butylbenzene              | ND     | *+        | 1.00 | 0.760  | ug/L |   |          | 10/23/25 17:06 | 1       |
| n-Heptane                   | ND     |           | 1.00 | 0.210  | ug/L |   |          | 10/23/25 17:06 | 1       |
| N-Propylbenzene             | ND     |           | 1.00 | 0.690  | ug/L |   |          | 10/23/25 17:06 | 1       |

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# Client Sample Results

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

Job ID: 752-38160-1

**Client Sample ID: MW-5**  
**Date Collected: 10/15/25 16:15**  
**Date Received: 10/16/25 09:00**

**Lab Sample ID: 752-38160-5**  
**Matrix: Water**

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| o-Xylene                              | ND     |           | 5.00 | 3.00  | ug/L |   |          | 10/23/25 17:06 | 1       |
| sec-Butylbenzene                      | ND     |           | 1.00 | 0.700 | ug/L |   |          | 10/23/25 17:06 | 1       |
| Styrene                               | ND     |           | 1.00 | 1.00  | ug/L |   |          | 10/23/25 17:06 | 1       |
| tert-Butylbenzene                     | ND     |           | 1.00 | 0.630 | ug/L |   |          | 10/23/25 17:06 | 1       |
| 1,1,1,2-Tetrachloroethane             | ND     |           | 1.00 | 0.380 | ug/L |   |          | 10/23/25 17:06 | 1       |
| 1,1,1,2,2-Tetrachloroethane           | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 17:06 | 1       |
| Tetrachloroethene                     | ND     |           | 1.00 | 0.330 | ug/L |   |          | 10/23/25 17:06 | 1       |
| Toluene                               | ND     |           | 1.00 | 0.900 | ug/L |   |          | 10/23/25 17:06 | 1       |
| trans-1,4-Dichloro-2-butene           | ND     |           | 5.00 | 1.00  | ug/L |   |          | 10/23/25 17:06 | 1       |
| trans-1,2-Dichloroethene              | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 17:06 | 1       |
| trans-1,3-Dichloropropene             | ND     |           | 5.00 | 0.200 | ug/L |   |          | 10/23/25 17:06 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 1.00 | 0.900 | ug/L |   |          | 10/23/25 17:06 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 1.00 | 0.820 | ug/L |   |          | 10/23/25 17:06 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 1.00 | 0.180 | ug/L |   |          | 10/23/25 17:06 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 5.00 | 0.210 | ug/L |   |          | 10/23/25 17:06 | 1       |
| Trichloroethene                       | ND     |           | 1.00 | 0.150 | ug/L |   |          | 10/23/25 17:06 | 1       |
| Trichlorofluoromethane                | ND     |           | 1.00 | 0.250 | ug/L |   |          | 10/23/25 17:06 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 5.00 | 0.840 | ug/L |   |          | 10/23/25 17:06 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 17:06 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 1.00 | 0.820 | ug/L |   |          | 10/23/25 17:06 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 1.00 | 0.560 | ug/L |   |          | 10/23/25 17:06 | 1       |
| Vinyl acetate                         | ND     |           | 25.0 | 0.930 | ug/L |   |          | 10/23/25 17:06 | 1       |
| Vinyl chloride                        | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 17:06 | 1       |
| Xylenes, Total                        | ND     |           | 10.0 | 6.00  | ug/L |   |          | 10/23/25 17:06 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene         | 98        |           | 56 - 136 |          | 10/23/25 17:06 | 1       |
| Dibromofluoromethane         | 109       |           | 79 - 130 |          | 10/23/25 17:06 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 110       |           | 59 - 146 |          | 10/23/25 17:06 | 1       |
| Toluene-d8 (Surr)            | 103       |           | 64 - 132 |          | 10/23/25 17:06 | 1       |

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

| Analyte     | Result | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| 1,4-Dioxane | ND     |           | 0.276 | 0.276 | ug/L |   | 10/17/25 16:54 | 10/21/25 16:59 | 1       |

| Isotope Dilution | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Dioxane-d8   | 24        |           | 10 - 140 | 10/17/25 16:54 | 10/21/25 16:59 | 1       |

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

| Analyte               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| 1,1'-Biphenyl         | ND     |           | 10.0 | 0.420 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| 2,4,5-Trichlorophenol | ND     |           | 10.0 | 0.540 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| 2,4,6-Trichlorophenol | ND     |           | 10.0 | 1.09  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| 2,4-Dichlorophenol    | ND     |           | 10.0 | 0.570 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| 2,4-Dimethylphenol    | ND     |           | 10.0 | 0.240 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| 2,4-Dinitrophenol     | ND     | *         | 30.0 | 4.68  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| 2,4-Dinitrotoluene    | ND     | ++        | 10.0 | 0.650 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| 2,6-Dinitrotoluene    | ND     | ++        | 10.0 | 0.290 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| 2-Chloronaphthalene   | ND     |           | 10.0 | 0.380 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| 2-Chlorophenol        | ND     |           | 10.0 | 0.840 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| 2-Methylnaphthalene   | ND     |           | 10.0 | 0.810 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |

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# Client Sample Results

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

Job ID: 752-38160-1

**Client Sample ID: MW-5**  
**Date Collected: 10/15/25 16:15**  
**Date Received: 10/16/25 09:00**

**Lab Sample ID: 752-38160-5**  
**Matrix: Water**

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

| Analyte                       | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| 2-Methylphenol                | ND     |           | 10.0 | 0.760 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| 2-Nitroaniline                | ND     | ++        | 10.0 | 1.37  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| 2-Nitrophenol                 | ND     | ++        | 10.0 | 1.17  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| 3 & 4 Methylphenol            | ND     |           | 20.0 | 4.60  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 11.0 | 0.410 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| 3-Nitroaniline                | ND     | ++        | 10.0 | 0.950 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 10.0 | 1.97  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 10.0 | 0.130 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 10.0 | 0.730 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| 4-Chloroaniline               | ND     | ++        | 10.0 | 0.580 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 10.0 | 0.240 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| 4-Nitroaniline                | ND     | ++        | 10.0 | 3.50  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| 4-Nitrophenol                 | ND     |           | 10.0 | 2.74  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| Acenaphthene                  | ND     |           | 10.0 | 0.630 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| Acenaphthylene                | ND     |           | 10.0 | 0.760 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| Acetophenone                  | ND     |           | 10.0 | 3.20  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| Anthracene                    | ND     |           | 10.0 | 0.910 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| Atrazine                      | ND     |           | 10.0 | 1.13  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| Benzaldehyde                  | ND     |           | 10.0 | 0.670 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| Benzo[a]anthracene            | ND     |           | 10.0 | 1.00  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| Benzo[a]pyrene                | ND     |           | 10.0 | 1.10  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| Benzo[b]fluoranthene          | ND     |           | 10.0 | 1.20  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| Benzo[g,h,i]perylene          | ND     |           | 10.0 | 1.50  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| Benzo[k]fluoranthene          | ND     |           | 10.0 | 1.50  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 10.0 | 0.930 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 10.0 | 0.340 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 10.0 | 0.730 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 10.0 | 4.00  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| Butyl benzyl phthalate        | ND     |           | 10.0 | 4.00  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| Caprolactam                   | ND     |           | 10.0 | 2.40  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| Carbazole                     | ND     |           | 10.0 | 0.320 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| Chrysene                      | ND     |           | 10.0 | 1.20  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 10.0 | 1.30  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| Dibenzofuran                  | ND     |           | 10.0 | 0.640 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| Diethyl phthalate             | ND     |           | 10.0 | 4.00  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| Dimethyl phthalate            | ND     |           | 10.0 | 4.00  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| Di-n-butyl phthalate          | ND     |           | 10.0 | 8.19  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| Di-n-octyl phthalate          | ND     |           | 10.0 | 4.00  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| Fluoranthene                  | ND     |           | 10.0 | 0.630 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| Fluorene                      | ND     |           | 10.0 | 0.670 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| Hexachlorobenzene             | ND     |           | 10.0 | 0.250 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| Hexachlorobutadiene           | ND     |           | 10.0 | 0.550 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| Hexachlorocyclopentadiene     | ND     |           | 20.0 | 0.320 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| Hexachloroethane              | ND     |           | 10.0 | 0.530 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| Indeno[1,2,3-cd]pyrene        | ND     |           | 10.0 | 1.10  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| Isophorone                    | ND     |           | 10.0 | 0.800 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| Naphthalene                   | ND     |           | 10.0 | 0.750 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| Nitrobenzene                  | ND     |           | 10.0 | 0.600 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| N-Nitrosodi-n-propylamine     | ND     |           | 10.0 | 0.330 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |

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# Client Sample Results

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

Job ID: 752-38160-1

**Client Sample ID: MW-5**  
**Date Collected: 10/15/25 16:15**  
**Date Received: 10/16/25 09:00**

**Lab Sample ID: 752-38160-5**  
**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     |           | 10.0 | 0.190 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| Pentachlorophenol      | ND     |           | 10.0 | 2.80  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| Phenanthrene           | ND     |           | 10.0 | 0.740 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| Phenol                 | ND     |           | 10.0 | 0.680 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| Pyrene                 | ND     |           | 10.0 | 0.630 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:05 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   |  |  |  | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|--|--|--|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 122       |           | 10 - 150 |  |  |  | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| 2-Fluorobiphenyl (Surr)     | 89        |           | 25 - 139 |  |  |  | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| 2-Fluorophenol (Surr)       | 81        |           | 10 - 150 |  |  |  | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| Nitrobenzene-d5 (Surr)      | 118       |           | 22 - 150 |  |  |  | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| Phenol-d5 (Surr)            | 74        |           | 10 - 150 |  |  |  | 10/20/25 11:48 | 10/23/25 22:05 | 1       |
| Terphenyl-d14 (Surr)        | 62        |           | 28 - 150 |  |  |  | 10/20/25 11:48 | 10/23/25 22:05 | 1       |

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

| Analyte          | Result       | Qualifier      | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|----------------|-------|-------|------|---|----------------|----------------|---------|
| Antimony         | ND           |                | 5.00  | 2.45  | ug/L |   | 10/21/25 17:35 | 10/22/25 21:19 | 1       |
| Arsenic          | ND           |                | 5.00  | 1.32  | ug/L |   | 10/21/25 17:35 | 10/22/25 21:19 | 1       |
| <b>Barium</b>    | <b>129</b>   |                | 10.0  | 0.410 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:19 | 1       |
| Beryllium        | ND           |                | 1.00  | 0.147 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:19 | 1       |
| Cadmium          | ND           |                | 0.700 | 0.237 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:19 | 1       |
| Chromium         | ND           |                | 5.00  | 3.69  | ug/L |   | 10/21/25 17:35 | 10/30/25 20:37 | 1       |
| <b>Cobalt</b>    | <b>1.02</b>  | <b>J ^+ *+</b> | 5.00  | 0.411 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:19 | 1       |
| <b>Copper</b>    | <b>0.756</b> | <b>J</b>       | 2.00  | 0.642 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:19 | 1       |
| Lead             | ND           |                | 1.00  | 0.864 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:19 | 1       |
| <b>Manganese</b> | <b>173</b>   |                | 5.00  | 1.29  | ug/L |   | 10/21/25 17:35 | 10/30/25 20:37 | 1       |
| <b>Nickel</b>    | <b>0.691</b> | <b>J</b>       | 5.00  | 0.422 | ug/L |   | 10/21/25 17:35 | 10/30/25 20:37 | 1       |
| Selenium         | ND           | <b>^+ *+</b>   | 5.00  | 2.29  | ug/L |   | 10/21/25 17:35 | 10/22/25 21:19 | 1       |
| Silver           | ND           |                | 1.00  | 0.167 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:19 | 1       |
| Thallium         | ND           |                | 1.00  | 0.190 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:19 | 1       |
| <b>Vanadium</b>  | <b>16.2</b>  | <b>B</b>       | 5.00  | 1.22  | ug/L |   | 10/21/25 17:35 | 10/30/25 20:37 | 1       |
| Zinc             | ND           |                | 10.0  | 8.91  | ug/L |   | 10/21/25 17:35 | 10/30/25 20:37 | 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 |   | 10/24/25 12:28 | 10/24/25 17:07 | 1       |

## General Chemistry

| Analyte                                     | Result      | Qualifier | RL     | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|---|-------------|-----------|--------|--------|------|---|----------|----------------|---------|
| Ammonia (as N) (EPA 350.1)                  | ND          |           | 0.0500 | 0.0460 | mg/L |   |          | 10/24/25 12:48 | 1       |
| Nitrite as N (EPA 353.2)                    | ND          |           | 0.100  | 0.0168 | mg/L |   |          | 10/16/25 16:31 | 1       |
| <b>Nitrate as N (SM Nitrate by calc)</b>    | <b>1.52</b> |           | 0.100  | 0.0250 | mg/L |   |          | 10/21/25 09:48 | 1       |
| <b>Nitrate Nitrite as N (SM 4500 NO3 F)</b> | <b>1.52</b> |           | 0.0500 | 0.0180 | mg/L |   |          | 10/21/25 19:12 | 1       |
| <b>Sulfate (SM 4500 SO4 E)</b>              | <b>18.5</b> |           | 5.00   | 1.40   | mg/L |   |          | 10/20/25 11:58 | 1       |

# Client Sample Results

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

Job ID: 752-38160-1

**Client Sample ID: MW-6**

**Lab Sample ID: 752-38160-6**

Date Collected: 10/15/25 15:35

Matrix: Water

Date Received: 10/16/25 09:00

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

| Analyte                     | Result | Qualifier | RL   | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|--------|------|---|----------|----------------|---------|
| Acetone                     | ND     | *+        | 25.0 | 10.0   | ug/L |   |          | 10/23/25 17:33 | 1       |
| Benzene                     | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 17:33 | 1       |
| Bromobenzene                | ND     |           | 1.00 | 0.540  | ug/L |   |          | 10/23/25 17:33 | 1       |
| Bromoform                   | ND     |           | 5.00 | 0.250  | ug/L |   |          | 10/23/25 17:33 | 1       |
| Bromomethane                | ND     | *+        | 1.00 | 0.980  | ug/L |   |          | 10/23/25 17:33 | 1       |
| 2-Butanone (MEK)            | ND     |           | 25.0 | 2.60   | ug/L |   |          | 10/23/25 17:33 | 1       |
| Carbon disulfide            | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 17:33 | 1       |
| Carbon tetrachloride        | ND     |           | 1.00 | 0.190  | ug/L |   |          | 10/23/25 17:33 | 1       |
| Chlorobenzene               | ND     |           | 1.00 | 0.420  | ug/L |   |          | 10/23/25 17:33 | 1       |
| Chlorobromomethane          | ND     |           | 1.00 | 0.520  | ug/L |   |          | 10/23/25 17:33 | 1       |
| Chlorodibromomethane        | ND     |           | 1.00 | 0.240  | ug/L |   |          | 10/23/25 17:33 | 1       |
| Chloroethane                | ND     |           | 1.00 | 0.760  | ug/L |   |          | 10/23/25 17:33 | 1       |
| Chloroform                  | ND     |           | 1.00 | 0.900  | ug/L |   |          | 10/23/25 17:33 | 1       |
| Chloromethane               | ND     |           | 1.00 | 0.400  | ug/L |   |          | 10/23/25 17:33 | 1       |
| 2-Chlorotoluene             | ND     |           | 1.00 | 0.570  | ug/L |   |          | 10/23/25 17:33 | 1       |
| 4-Chlorotoluene             | ND     |           | 1.00 | 0.560  | ug/L |   |          | 10/23/25 17:33 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 1.00 | 0.200  | ug/L |   |          | 10/23/25 17:33 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 5.00 | 0.500  | ug/L |   |          | 10/23/25 17:33 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND     |           | 5.00 | 1.50   | ug/L |   |          | 10/23/25 17:33 | 1       |
| Dibromomethane              | ND     |           | 5.00 | 0.220  | ug/L |   |          | 10/23/25 17:33 | 1       |
| 1,2-Dichlorobenzene         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 17:33 | 1       |
| 1,3-Dichlorobenzene         | ND     |           | 1.00 | 0.540  | ug/L |   |          | 10/23/25 17:33 | 1       |
| 1,4-Dichlorobenzene         | ND     |           | 1.00 | 0.640  | ug/L |   |          | 10/23/25 17:33 | 1       |
| Dichlorobromomethane        | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 17:33 | 1       |
| 1,1-Dichloroethane          | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 17:33 | 1       |
| 1,2-Dichloroethane          | ND     |           | 1.00 | 0.550  | ug/L |   |          | 10/23/25 17:33 | 1       |
| 1,1-Dichloroethene          | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 17:33 | 1       |
| 1,2-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 17:33 | 1       |
| 1,3-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 17:33 | 1       |
| 2,2-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 17:33 | 1       |
| 1,1-Dichloropropene         | ND     |           | 1.00 | 0.0900 | ug/L |   |          | 10/23/25 17:33 | 1       |
| Ethyl acetate               | ND     |           | 10.0 | 6.14   | ug/L |   |          | 10/23/25 17:33 | 1       |
| Ethylbenzene                | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 17:33 | 1       |
| Ethylene Dibromide          | ND     |           | 1.00 | 0.230  | ug/L |   |          | 10/23/25 17:33 | 1       |
| Hexachlorobutadiene         | ND     |           | 5.00 | 0.900  | ug/L |   |          | 10/23/25 17:33 | 1       |
| Hexane                      | ND     |           | 1.00 | 0.960  | ug/L |   |          | 10/23/25 17:33 | 1       |
| 2-Hexanone                  | ND     |           | 25.0 | 4.26   | ug/L |   |          | 10/23/25 17:33 | 1       |
| Iodomethane                 | ND     |           | 1.00 | 0.900  | ug/L |   |          | 10/23/25 17:33 | 1       |
| Isopropylbenzene            | ND     |           | 1.00 | 0.530  | ug/L |   |          | 10/23/25 17:33 | 1       |
| Isopropyl ether             | ND     |           | 1.00 | 0.740  | ug/L |   |          | 10/23/25 17:33 | 1       |
| 4-Isopropyltoluene          | ND     |           | 1.00 | 0.710  | ug/L |   |          | 10/23/25 17:33 | 1       |
| Methylene Chloride          | ND     |           | 5.00 | 4.00   | ug/L |   |          | 10/23/25 17:33 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     |           | 25.0 | 1.80   | ug/L |   |          | 10/23/25 17:33 | 1       |
| Methyl tert-butyl ether     | ND     |           | 1.00 | 0.220  | ug/L |   |          | 10/23/25 17:33 | 1       |
| m-Xylene & p-Xylene         | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 17:33 | 1       |
| Naphthalene                 | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 17:33 | 1       |
| n-Butylbenzene              | ND     | *+        | 1.00 | 0.760  | ug/L |   |          | 10/23/25 17:33 | 1       |
| n-Heptane                   | ND     |           | 1.00 | 0.210  | ug/L |   |          | 10/23/25 17:33 | 1       |
| N-Propylbenzene             | ND     |           | 1.00 | 0.690  | ug/L |   |          | 10/23/25 17:33 | 1       |

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# Client Sample Results

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

Job ID: 752-38160-1

**Client Sample ID: MW-6**

**Lab Sample ID: 752-38160-6**

Date Collected: 10/15/25 15:35

Matrix: Water

Date Received: 10/16/25 09:00

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| o-Xylene                              | ND     |           | 5.00 | 3.00  | ug/L |   |          | 10/23/25 17:33 | 1       |
| sec-Butylbenzene                      | ND     |           | 1.00 | 0.700 | ug/L |   |          | 10/23/25 17:33 | 1       |
| Styrene                               | ND     |           | 1.00 | 1.00  | ug/L |   |          | 10/23/25 17:33 | 1       |
| tert-Butylbenzene                     | ND     |           | 1.00 | 0.630 | ug/L |   |          | 10/23/25 17:33 | 1       |
| 1,1,1,2-Tetrachloroethane             | ND     |           | 1.00 | 0.380 | ug/L |   |          | 10/23/25 17:33 | 1       |
| 1,1,1,2,2-Tetrachloroethane           | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 17:33 | 1       |
| Tetrachloroethene                     | ND     |           | 1.00 | 0.330 | ug/L |   |          | 10/23/25 17:33 | 1       |
| Toluene                               | ND     |           | 1.00 | 0.900 | ug/L |   |          | 10/23/25 17:33 | 1       |
| trans-1,4-Dichloro-2-butene           | ND     |           | 5.00 | 1.00  | ug/L |   |          | 10/23/25 17:33 | 1       |
| trans-1,2-Dichloroethene              | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 17:33 | 1       |
| trans-1,3-Dichloropropene             | ND     |           | 5.00 | 0.200 | ug/L |   |          | 10/23/25 17:33 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 1.00 | 0.900 | ug/L |   |          | 10/23/25 17:33 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 1.00 | 0.820 | ug/L |   |          | 10/23/25 17:33 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 1.00 | 0.180 | ug/L |   |          | 10/23/25 17:33 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 5.00 | 0.210 | ug/L |   |          | 10/23/25 17:33 | 1       |
| Trichloroethene                       | ND     |           | 1.00 | 0.150 | ug/L |   |          | 10/23/25 17:33 | 1       |
| Trichlorofluoromethane                | ND     |           | 1.00 | 0.250 | ug/L |   |          | 10/23/25 17:33 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 5.00 | 0.840 | ug/L |   |          | 10/23/25 17:33 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 17:33 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 1.00 | 0.820 | ug/L |   |          | 10/23/25 17:33 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 1.00 | 0.560 | ug/L |   |          | 10/23/25 17:33 | 1       |
| Vinyl acetate                         | ND     |           | 25.0 | 0.930 | ug/L |   |          | 10/23/25 17:33 | 1       |
| Vinyl chloride                        | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 17:33 | 1       |
| Xylenes, Total                        | ND     |           | 10.0 | 6.00  | ug/L |   |          | 10/23/25 17:33 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene         | 101       |           | 56 - 136 |          | 10/23/25 17:33 | 1       |
| Dibromofluoromethane         | 108       |           | 79 - 130 |          | 10/23/25 17:33 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 112       |           | 59 - 146 |          | 10/23/25 17:33 | 1       |
| Toluene-d8 (Surr)            | 101       |           | 64 - 132 |          | 10/23/25 17:33 | 1       |

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

| Analyte     | Result | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| 1,4-Dioxane | ND     |           | 0.277 | 0.277 | ug/L |   | 10/17/25 16:54 | 10/21/25 17:20 | 1       |

| Isotope Dilution | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Dioxane-d8   | 26        |           | 10 - 140 | 10/17/25 16:54 | 10/21/25 17:20 | 1       |

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

| Analyte               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| 1,1'-Biphenyl         | ND     |           | 10.2 | 0.427 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| 2,4,5-Trichlorophenol | ND     |           | 10.2 | 0.549 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| 2,4,6-Trichlorophenol | ND     |           | 10.2 | 1.11  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| 2,4-Dichlorophenol    | ND     |           | 10.2 | 0.580 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| 2,4-Dimethylphenol    | ND     |           | 10.2 | 0.244 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| 2,4-Dinitrophenol     | ND     | *         | 30.5 | 4.76  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| 2,4-Dinitrotoluene    | ND     | ++        | 10.2 | 0.661 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| 2,6-Dinitrotoluene    | ND     | ++        | 10.2 | 0.295 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| 2-Chloronaphthalene   | ND     |           | 10.2 | 0.386 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| 2-Chlorophenol        | ND     |           | 10.2 | 0.854 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| 2-Methylnaphthalene   | ND     |           | 10.2 | 0.824 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |

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# Client Sample Results

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

Job ID: 752-38160-1

**Client Sample ID: MW-6**

**Lab Sample ID: 752-38160-6**

**Date Collected: 10/15/25 15:35**

**Matrix: Water**

**Date Received: 10/16/25 09:00**

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

| Analyte                       | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| 2-Methylphenol                | ND     |           | 10.2 | 0.773 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| 2-Nitroaniline                | ND     | ++        | 10.2 | 1.39  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| 2-Nitrophenol                 | ND     | ++        | 10.2 | 1.19  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| 3 & 4 Methylphenol            | ND     |           | 20.3 | 4.68  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 11.2 | 0.417 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| 3-Nitroaniline                | ND     | ++        | 10.2 | 0.966 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 10.2 | 2.00  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 10.2 | 0.132 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 10.2 | 0.742 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| 4-Chloroaniline               | ND     | ++        | 10.2 | 0.590 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 10.2 | 0.244 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| 4-Nitroaniline                | ND     | ++        | 10.2 | 3.56  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| 4-Nitrophenol                 | ND     |           | 10.2 | 2.79  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| Acenaphthene                  | ND     |           | 10.2 | 0.641 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| Acenaphthylene                | ND     |           | 10.2 | 0.773 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| Acetophenone                  | ND     |           | 10.2 | 3.25  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| Anthracene                    | ND     |           | 10.2 | 0.925 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| Atrazine                      | ND     |           | 10.2 | 1.15  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| Benzaldehyde                  | ND     |           | 10.2 | 0.681 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| Benzo[a]anthracene            | ND     |           | 10.2 | 1.02  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| Benzo[a]pyrene                | ND     |           | 10.2 | 1.12  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| Benzo[b]fluoranthene          | ND     |           | 10.2 | 1.22  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| Benzo[g,h,i]perylene          | ND     |           | 10.2 | 1.53  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| Benzo[k]fluoranthene          | ND     |           | 10.2 | 1.53  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 10.2 | 0.946 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 10.2 | 0.346 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 10.2 | 0.742 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 10.2 | 4.07  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| Butyl benzyl phthalate        | ND     |           | 10.2 | 4.07  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| Caprolactam                   | ND     |           | 10.2 | 2.44  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| Carbazole                     | ND     |           | 10.2 | 0.325 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| Chrysene                      | ND     |           | 10.2 | 1.22  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 10.2 | 1.32  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| Dibenzofuran                  | ND     |           | 10.2 | 0.651 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| Diethyl phthalate             | ND     |           | 10.2 | 4.07  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| Dimethyl phthalate            | ND     |           | 10.2 | 4.07  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| Di-n-butyl phthalate          | ND     |           | 10.2 | 8.33  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| Di-n-octyl phthalate          | ND     |           | 10.2 | 4.07  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| Fluoranthene                  | ND     |           | 10.2 | 0.641 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| Fluorene                      | ND     |           | 10.2 | 0.681 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| Hexachlorobenzene             | ND     |           | 10.2 | 0.254 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| Hexachlorobutadiene           | ND     |           | 10.2 | 0.559 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| Hexachlorocyclopentadiene     | ND     |           | 20.3 | 0.325 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| Hexachloroethane              | ND     |           | 10.2 | 0.539 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| Indeno[1,2,3-cd]pyrene        | ND     |           | 10.2 | 1.12  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| Isophorone                    | ND     |           | 10.2 | 0.814 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| Naphthalene                   | ND     |           | 10.2 | 0.763 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| Nitrobenzene                  | ND     |           | 10.2 | 0.610 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| N-Nitrosodi-n-propylamine     | ND     |           | 10.2 | 0.336 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |

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# Client Sample Results

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

Job ID: 752-38160-1

**Client Sample ID: MW-6**

**Lab Sample ID: 752-38160-6**

Date Collected: 10/15/25 15:35

Matrix: Water

Date Received: 10/16/25 09:00

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

| Analyte                | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| N-Nitrosodiphenylamine | ND     |           | 10.2 | 0.193 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| Pentachlorophenol      | ND     |           | 10.2 | 2.85  | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| Phenanthrene           | ND     |           | 10.2 | 0.753 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| Phenol                 | ND     |           | 10.2 | 0.692 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| Pyrene                 | ND     |           | 10.2 | 0.641 | ug/L |   | 10/20/25 11:48 | 10/23/25 22:36 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   |  |  |  | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|--|--|--|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 120       |           | 10 - 150 |  |  |  | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| 2-Fluorobiphenyl (Surr)     | 86        |           | 25 - 139 |  |  |  | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| 2-Fluorophenol (Surr)       | 77        |           | 10 - 150 |  |  |  | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| Nitrobenzene-d5 (Surr)      | 114       |           | 22 - 150 |  |  |  | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| Phenol-d5 (Surr)            | 70        |           | 10 - 150 |  |  |  | 10/20/25 11:48 | 10/23/25 22:36 | 1       |
| Terphenyl-d14 (Surr)        | 64        |           | 28 - 150 |  |  |  | 10/20/25 11:48 | 10/23/25 22:36 | 1       |

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

| Analyte          | Result      | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-------------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Antimony         | ND          |           | 5.00  | 2.45  | ug/L |   | 10/21/25 17:35 | 10/22/25 21:36 | 1       |
| Arsenic          | ND          |           | 5.00  | 1.32  | ug/L |   | 10/21/25 17:35 | 10/22/25 21:36 | 1       |
| <b>Barium</b>    | <b>34.1</b> |           | 10.0  | 0.410 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:36 | 1       |
| Beryllium        | ND          |           | 1.00  | 0.147 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:36 | 1       |
| Cadmium          | ND          |           | 0.700 | 0.237 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:36 | 1       |
| <b>Chromium</b>  | <b>5.95</b> |           | 5.00  | 3.69  | ug/L |   | 10/21/25 17:35 | 10/30/25 20:40 | 1       |
| <b>Cobalt</b>    | <b>1.24</b> | J ^+ *+   | 5.00  | 0.411 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:36 | 1       |
| <b>Copper</b>    | <b>3.79</b> |           | 2.00  | 0.642 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:36 | 1       |
| Lead             | ND          |           | 1.00  | 0.864 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:36 | 1       |
| <b>Manganese</b> | <b>33.7</b> |           | 5.00  | 1.29  | ug/L |   | 10/21/25 17:35 | 10/30/25 20:40 | 1       |
| <b>Nickel</b>    | <b>1.86</b> | J         | 5.00  | 0.422 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:36 | 1       |
| Selenium         | ND          | ^+ *+     | 5.00  | 2.29  | ug/L |   | 10/21/25 17:35 | 10/22/25 21:36 | 1       |
| Silver           | ND          |           | 1.00  | 0.167 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:36 | 1       |
| Thallium         | ND          |           | 1.00  | 0.190 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:36 | 1       |
| <b>Vanadium</b>  | <b>22.8</b> | B         | 5.00  | 1.22  | ug/L |   | 10/21/25 17:35 | 10/30/25 20:40 | 1       |
| Zinc             | ND          |           | 10.0  | 8.91  | ug/L |   | 10/21/25 17:35 | 10/30/25 20:40 | 1       |

## Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.200 | 0.166 | ug/L |   | 10/24/25 12:28 | 10/24/25 17:11 | 1       |

## General Chemistry

| Analyte                                     | Result      | Qualifier | RL     | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|---|-------------|-----------|--------|--------|------|---|----------|----------------|---------|
| Ammonia (as N) (EPA 350.1)                  | ND          |           | 0.0500 | 0.0460 | mg/L |   |          | 10/24/25 12:50 | 1       |
| Nitrite as N (EPA 353.2)                    | ND          |           | 0.100  | 0.0168 | mg/L |   |          | 10/16/25 16:32 | 1       |
| <b>Nitrate as N (SM Nitrate by calc)</b>    | <b>1.75</b> |           | 0.100  | 0.0250 | mg/L |   |          | 10/21/25 09:48 | 1       |
| <b>Nitrate Nitrite as N (SM 4500 NO3 F)</b> | <b>1.75</b> | F1        | 0.0500 | 0.0180 | mg/L |   |          | 10/21/25 19:21 | 1       |
| <b>Sulfate (SM 4500 SO4 E)</b>              | <b>14.9</b> |           | 5.00   | 1.40   | mg/L |   |          | 10/20/25 11:59 | 1       |

# Client Sample Results

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

Job ID: 752-38160-1

**Client Sample ID: MW-7**  
**Date Collected: 10/15/25 15:00**  
**Date Received: 10/16/25 09:00**

**Lab Sample ID: 752-38160-7**  
**Matrix: Water**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

| Analyte                     | Result | Qualifier | RL   | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|--------|------|---|----------|----------------|---------|
| Acetone                     | ND     | *+        | 25.0 | 10.0   | ug/L |   |          | 10/23/25 17:59 | 1       |
| Benzene                     | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 17:59 | 1       |
| Bromobenzene                | ND     |           | 1.00 | 0.540  | ug/L |   |          | 10/23/25 17:59 | 1       |
| Bromoform                   | ND     |           | 5.00 | 0.250  | ug/L |   |          | 10/23/25 17:59 | 1       |
| Bromomethane                | ND     | *+        | 1.00 | 0.980  | ug/L |   |          | 10/23/25 17:59 | 1       |
| 2-Butanone (MEK)            | ND     |           | 25.0 | 2.60   | ug/L |   |          | 10/23/25 17:59 | 1       |
| Carbon disulfide            | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 17:59 | 1       |
| Carbon tetrachloride        | ND     |           | 1.00 | 0.190  | ug/L |   |          | 10/23/25 17:59 | 1       |
| Chlorobenzene               | ND     |           | 1.00 | 0.420  | ug/L |   |          | 10/23/25 17:59 | 1       |
| Chlorobromomethane          | ND     |           | 1.00 | 0.520  | ug/L |   |          | 10/23/25 17:59 | 1       |
| Chlorodibromomethane        | ND     |           | 1.00 | 0.240  | ug/L |   |          | 10/23/25 17:59 | 1       |
| Chloroethane                | ND     |           | 1.00 | 0.760  | ug/L |   |          | 10/23/25 17:59 | 1       |
| Chloroform                  | ND     |           | 1.00 | 0.900  | ug/L |   |          | 10/23/25 17:59 | 1       |
| Chloromethane               | ND     |           | 1.00 | 0.400  | ug/L |   |          | 10/23/25 17:59 | 1       |
| 2-Chlorotoluene             | ND     |           | 1.00 | 0.570  | ug/L |   |          | 10/23/25 17:59 | 1       |
| 4-Chlorotoluene             | ND     |           | 1.00 | 0.560  | ug/L |   |          | 10/23/25 17:59 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 1.00 | 0.200  | ug/L |   |          | 10/23/25 17:59 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 5.00 | 0.500  | ug/L |   |          | 10/23/25 17:59 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND     |           | 5.00 | 1.50   | ug/L |   |          | 10/23/25 17:59 | 1       |
| Dibromomethane              | ND     |           | 5.00 | 0.220  | ug/L |   |          | 10/23/25 17:59 | 1       |
| 1,2-Dichlorobenzene         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 17:59 | 1       |
| 1,3-Dichlorobenzene         | ND     |           | 1.00 | 0.540  | ug/L |   |          | 10/23/25 17:59 | 1       |
| 1,4-Dichlorobenzene         | ND     |           | 1.00 | 0.640  | ug/L |   |          | 10/23/25 17:59 | 1       |
| Dichlorobromomethane        | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 17:59 | 1       |
| 1,1-Dichloroethane          | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 17:59 | 1       |
| 1,2-Dichloroethane          | ND     |           | 1.00 | 0.550  | ug/L |   |          | 10/23/25 17:59 | 1       |
| 1,1-Dichloroethene          | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 17:59 | 1       |
| 1,2-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 17:59 | 1       |
| 1,3-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 17:59 | 1       |
| 2,2-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 17:59 | 1       |
| 1,1-Dichloropropene         | ND     |           | 1.00 | 0.0900 | ug/L |   |          | 10/23/25 17:59 | 1       |
| Ethyl acetate               | ND     |           | 10.0 | 6.14   | ug/L |   |          | 10/23/25 17:59 | 1       |
| Ethylbenzene                | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 17:59 | 1       |
| Ethylene Dibromide          | ND     |           | 1.00 | 0.230  | ug/L |   |          | 10/23/25 17:59 | 1       |
| Hexachlorobutadiene         | ND     |           | 5.00 | 0.900  | ug/L |   |          | 10/23/25 17:59 | 1       |
| Hexane                      | ND     |           | 1.00 | 0.960  | ug/L |   |          | 10/23/25 17:59 | 1       |
| 2-Hexanone                  | ND     |           | 25.0 | 4.26   | ug/L |   |          | 10/23/25 17:59 | 1       |
| Iodomethane                 | ND     |           | 1.00 | 0.900  | ug/L |   |          | 10/23/25 17:59 | 1       |
| Isopropylbenzene            | ND     |           | 1.00 | 0.530  | ug/L |   |          | 10/23/25 17:59 | 1       |
| Isopropyl ether             | ND     |           | 1.00 | 0.740  | ug/L |   |          | 10/23/25 17:59 | 1       |
| 4-Isopropyltoluene          | ND     |           | 1.00 | 0.710  | ug/L |   |          | 10/23/25 17:59 | 1       |
| Methylene Chloride          | ND     |           | 5.00 | 4.00   | ug/L |   |          | 10/23/25 17:59 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     |           | 25.0 | 1.80   | ug/L |   |          | 10/23/25 17:59 | 1       |
| Methyl tert-butyl ether     | ND     |           | 1.00 | 0.220  | ug/L |   |          | 10/23/25 17:59 | 1       |
| m-Xylene & p-Xylene         | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 17:59 | 1       |
| Naphthalene                 | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 17:59 | 1       |
| n-Butylbenzene              | ND     | *+        | 1.00 | 0.760  | ug/L |   |          | 10/23/25 17:59 | 1       |
| n-Heptane                   | ND     |           | 1.00 | 0.210  | ug/L |   |          | 10/23/25 17:59 | 1       |
| N-Propylbenzene             | ND     |           | 1.00 | 0.690  | ug/L |   |          | 10/23/25 17:59 | 1       |

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# Client Sample Results

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

Job ID: 752-38160-1

**Client Sample ID: MW-7**  
**Date Collected: 10/15/25 15:00**  
**Date Received: 10/16/25 09:00**

**Lab Sample ID: 752-38160-7**  
**Matrix: Water**

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| o-Xylene                              | ND     |           | 5.00 | 3.00  | ug/L |   |          | 10/23/25 17:59 | 1       |
| sec-Butylbenzene                      | ND     |           | 1.00 | 0.700 | ug/L |   |          | 10/23/25 17:59 | 1       |
| Styrene                               | ND     |           | 1.00 | 1.00  | ug/L |   |          | 10/23/25 17:59 | 1       |
| tert-Butylbenzene                     | ND     |           | 1.00 | 0.630 | ug/L |   |          | 10/23/25 17:59 | 1       |
| 1,1,1,2-Tetrachloroethane             | ND     |           | 1.00 | 0.380 | ug/L |   |          | 10/23/25 17:59 | 1       |
| 1,1,1,2,2-Tetrachloroethane           | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 17:59 | 1       |
| Tetrachloroethene                     | ND     |           | 1.00 | 0.330 | ug/L |   |          | 10/23/25 17:59 | 1       |
| Toluene                               | ND     |           | 1.00 | 0.900 | ug/L |   |          | 10/23/25 17:59 | 1       |
| trans-1,4-Dichloro-2-butene           | ND     |           | 5.00 | 1.00  | ug/L |   |          | 10/23/25 17:59 | 1       |
| trans-1,2-Dichloroethene              | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 17:59 | 1       |
| trans-1,3-Dichloropropene             | ND     |           | 5.00 | 0.200 | ug/L |   |          | 10/23/25 17:59 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 1.00 | 0.900 | ug/L |   |          | 10/23/25 17:59 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 1.00 | 0.820 | ug/L |   |          | 10/23/25 17:59 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 1.00 | 0.180 | ug/L |   |          | 10/23/25 17:59 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 5.00 | 0.210 | ug/L |   |          | 10/23/25 17:59 | 1       |
| Trichloroethene                       | ND     |           | 1.00 | 0.150 | ug/L |   |          | 10/23/25 17:59 | 1       |
| Trichlorofluoromethane                | ND     |           | 1.00 | 0.250 | ug/L |   |          | 10/23/25 17:59 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 5.00 | 0.840 | ug/L |   |          | 10/23/25 17:59 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 17:59 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 1.00 | 0.820 | ug/L |   |          | 10/23/25 17:59 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 1.00 | 0.560 | ug/L |   |          | 10/23/25 17:59 | 1       |
| Vinyl acetate                         | ND     |           | 25.0 | 0.930 | ug/L |   |          | 10/23/25 17:59 | 1       |
| Vinyl chloride                        | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 17:59 | 1       |
| Xylenes, Total                        | ND     |           | 10.0 | 6.00  | ug/L |   |          | 10/23/25 17:59 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene         | 96        |           | 56 - 136 |          | 10/23/25 17:59 | 1       |
| Dibromofluoromethane         | 104       |           | 79 - 130 |          | 10/23/25 17:59 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 107       |           | 59 - 146 |          | 10/23/25 17:59 | 1       |
| Toluene-d8 (Surr)            | 102       |           | 64 - 132 |          | 10/23/25 17:59 | 1       |

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

| Analyte     | Result | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| 1,4-Dioxane | ND     |           | 0.282 | 0.282 | ug/L |   | 10/17/25 16:54 | 10/21/25 17:42 | 1       |

| Isotope Dilution | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Dioxane-d8   | 24        |           | 10 - 140 | 10/17/25 16:54 | 10/21/25 17:42 | 1       |

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

| Analyte               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| 1,1'-Biphenyl         | ND     |           | 10.2 | 0.430 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| 2,4,5-Trichlorophenol | ND     |           | 10.2 | 0.553 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| 2,4,6-Trichlorophenol | ND     |           | 10.2 | 1.12  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| 2,4-Dichlorophenol    | ND     |           | 10.2 | 0.584 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| 2,4-Dimethylphenol    | ND     |           | 10.2 | 0.246 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| 2,4-Dinitrophenol     | ND     | *         | 30.7 | 4.79  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| 2,4-Dinitrotoluene    | ND     | ++        | 10.2 | 0.666 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| 2,6-Dinitrotoluene    | ND     | ++        | 10.2 | 0.297 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| 2-Chloronaphthalene   | ND     |           | 10.2 | 0.389 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| 2-Chlorophenol        | ND     |           | 10.2 | 0.860 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| 2-Methylnaphthalene   | ND     |           | 10.2 | 0.829 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |

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# Client Sample Results

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

Job ID: 752-38160-1

**Client Sample ID: MW-7**  
**Date Collected: 10/15/25 15:00**  
**Date Received: 10/16/25 09:00**

**Lab Sample ID: 752-38160-7**  
**Matrix: Water**

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

| Analyte                       | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| 2-Methylphenol                | ND     |           | 10.2 | 0.778 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| 2-Nitroaniline                | ND     | ++        | 10.2 | 1.40  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| 2-Nitrophenol                 | ND     | ++        | 10.2 | 1.20  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| 3 & 4 Methylphenol            | ND     |           | 20.5 | 4.71  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 11.3 | 0.420 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| 3-Nitroaniline                | ND     | ++        | 10.2 | 0.973 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 10.2 | 2.02  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 10.2 | 0.133 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 10.2 | 0.747 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| 4-Chloroaniline               | ND     | ++        | 10.2 | 0.594 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 10.2 | 0.246 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| 4-Nitroaniline                | ND     | ++        | 10.2 | 3.58  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| 4-Nitrophenol                 | ND     |           | 10.2 | 2.81  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| Acenaphthene                  | ND     |           | 10.2 | 0.645 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| Acenaphthylene                | ND     |           | 10.2 | 0.778 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| Acetophenone                  | ND     |           | 10.2 | 3.28  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| Anthracene                    | ND     |           | 10.2 | 0.932 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| Atrazine                      | ND     |           | 10.2 | 1.16  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| Benzaldehyde                  | ND     |           | 10.2 | 0.686 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| Benzo[a]anthracene            | ND     |           | 10.2 | 1.02  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| Benzo[a]pyrene                | ND     |           | 10.2 | 1.13  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| Benzo[b]fluoranthene          | ND     |           | 10.2 | 1.23  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| Benzo[g,h,i]perylene          | ND     |           | 10.2 | 1.54  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| Benzo[k]fluoranthene          | ND     |           | 10.2 | 1.54  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 10.2 | 0.952 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 10.2 | 0.348 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 10.2 | 0.747 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 10.2 | 4.10  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| Butyl benzyl phthalate        | ND     |           | 10.2 | 4.10  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| Caprolactam                   | ND     |           | 10.2 | 2.46  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| Carbazole                     | ND     |           | 10.2 | 0.328 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| Chrysene                      | ND     |           | 10.2 | 1.23  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 10.2 | 1.33  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| Dibenzofuran                  | ND     |           | 10.2 | 0.655 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| Diethyl phthalate             | ND     |           | 10.2 | 4.10  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| Dimethyl phthalate            | ND     |           | 10.2 | 4.10  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| Di-n-butyl phthalate          | ND     |           | 10.2 | 8.39  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| Di-n-octyl phthalate          | ND     |           | 10.2 | 4.10  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| Fluoranthene                  | ND     |           | 10.2 | 0.645 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| Fluorene                      | ND     |           | 10.2 | 0.686 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| Hexachlorobenzene             | ND     |           | 10.2 | 0.256 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| Hexachlorobutadiene           | ND     |           | 10.2 | 0.563 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| Hexachlorocyclopentadiene     | ND     |           | 20.5 | 0.328 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| Hexachloroethane              | ND     |           | 10.2 | 0.543 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| Indeno[1,2,3-cd]pyrene        | ND     |           | 10.2 | 1.13  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| Isophorone                    | ND     |           | 10.2 | 0.819 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| Naphthalene                   | ND     |           | 10.2 | 0.768 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| Nitrobenzene                  | ND     |           | 10.2 | 0.614 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| N-Nitrosodi-n-propylamine     | ND     |           | 10.2 | 0.338 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |

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# Client Sample Results

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

Job ID: 752-38160-1

**Client Sample ID: MW-7**  
**Date Collected: 10/15/25 15:00**  
**Date Received: 10/16/25 09:00**

**Lab Sample ID: 752-38160-7**  
**Matrix: Water**

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

| Analyte                | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| N-Nitrosodiphenylamine | ND     |           | 10.2 | 0.195 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| Pentachlorophenol      | ND     |           | 10.2 | 2.87  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| Phenanthrene           | ND     |           | 10.2 | 0.758 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| Phenol                 | ND     |           | 10.2 | 0.696 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| Pyrene                 | ND     |           | 10.2 | 0.645 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:08 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   |  |  |  | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|--|--|--|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 117       |           | 10 - 150 |  |  |  | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| 2-Fluorobiphenyl (Surr)     | 86        |           | 25 - 139 |  |  |  | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| 2-Fluorophenol (Surr)       | 84        |           | 10 - 150 |  |  |  | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| Nitrobenzene-d5 (Surr)      | 119       |           | 22 - 150 |  |  |  | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| Phenol-d5 (Surr)            | 75        |           | 10 - 150 |  |  |  | 10/20/25 11:48 | 10/23/25 23:08 | 1       |
| Terphenyl-d14 (Surr)        | 63        |           | 28 - 150 |  |  |  | 10/20/25 11:48 | 10/23/25 23:08 | 1       |

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

| Analyte          | Result       | Qualifier      | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|----------------|-------|-------|------|---|----------------|----------------|---------|
| Antimony         | ND           |                | 5.00  | 2.45  | ug/L |   | 10/21/25 17:35 | 10/22/25 21:38 | 1       |
| Arsenic          | ND           |                | 5.00  | 1.32  | ug/L |   | 10/21/25 17:35 | 10/22/25 21:38 | 1       |
| <b>Barium</b>    | <b>353</b>   |                | 10.0  | 0.410 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:38 | 1       |
| Beryllium        | ND           |                | 1.00  | 0.147 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:38 | 1       |
| Cadmium          | ND           |                | 0.700 | 0.237 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:38 | 1       |
| Chromium         | ND           | ^+             | 5.00  | 3.69  | ug/L |   | 10/21/25 17:35 | 10/22/25 21:38 | 1       |
| <b>Cobalt</b>    | <b>0.453</b> | <b>J ^+ *+</b> | 5.00  | 0.411 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:38 | 1       |
| Copper           | ND           |                | 2.00  | 0.642 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:38 | 1       |
| Lead             | ND           |                | 1.00  | 0.864 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:38 | 1       |
| <b>Manganese</b> | <b>118</b>   |                | 5.00  | 1.29  | ug/L |   | 10/21/25 17:35 | 10/30/25 20:42 | 1       |
| <b>Nickel</b>    | <b>0.875</b> | <b>J</b>       | 5.00  | 0.422 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:38 | 1       |
| Selenium         | ND           | ^+ *+          | 5.00  | 2.29  | ug/L |   | 10/21/25 17:35 | 10/22/25 21:38 | 1       |
| Silver           | ND           |                | 1.00  | 0.167 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:38 | 1       |
| Thallium         | ND           |                | 1.00  | 0.190 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:38 | 1       |
| <b>Vanadium</b>  | <b>3.87</b>  | <b>J B ^+</b>  | 5.00  | 1.22  | ug/L |   | 10/21/25 17:35 | 10/22/25 21:38 | 1       |
| Zinc             | ND           |                | 10.0  | 8.91  | ug/L |   | 10/21/25 17:35 | 10/30/25 20:42 | 1       |

## Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.200 | 0.166 | ug/L |   | 10/24/25 12:28 | 10/24/25 17:27 | 1       |

## General Chemistry

| Analyte                                     | Result        | Qualifier | RL     | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|---|---------------|-----------|--------|--------|------|---|----------|----------------|---------|
| Ammonia (as N) (EPA 350.1)                  | ND            |           | 0.0500 | 0.0460 | mg/L |   |          | 10/24/25 13:05 | 1       |
| Nitrite as N (EPA 353.2)                    | ND            |           | 0.100  | 0.0168 | mg/L |   |          | 10/16/25 16:33 | 1       |
| Nitrate as N (SM Nitrate by calc)           | ND            |           | 0.100  | 0.0250 | mg/L |   |          | 10/21/25 09:48 | 1       |
| <b>Nitrate Nitrite as N (SM 4500 NO3 F)</b> | <b>0.0400</b> | <b>J</b>  | 0.0500 | 0.0180 | mg/L |   |          | 10/21/25 19:26 | 1       |
| <b>Sulfate (SM 4500 SO4 E)</b>              | <b>33.7</b>   |           | 5.00   | 1.40   | mg/L |   |          | 10/20/25 11:59 | 1       |

# Client Sample Results

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

Job ID: 752-38160-1

**Client Sample ID: MW-8**

**Lab Sample ID: 752-38160-8**

Date Collected: 10/15/25 14:15

Matrix: Water

Date Received: 10/16/25 09:00

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

| Analyte                     | Result | Qualifier | RL   | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|--------|------|---|----------|----------------|---------|
| Acetone                     | ND     | *+        | 25.0 | 10.0   | ug/L |   |          | 10/23/25 18:26 | 1       |
| Benzene                     | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 18:26 | 1       |
| Bromobenzene                | ND     |           | 1.00 | 0.540  | ug/L |   |          | 10/23/25 18:26 | 1       |
| Bromoform                   | ND     |           | 5.00 | 0.250  | ug/L |   |          | 10/23/25 18:26 | 1       |
| Bromomethane                | ND     | *+        | 1.00 | 0.980  | ug/L |   |          | 10/23/25 18:26 | 1       |
| 2-Butanone (MEK)            | ND     |           | 25.0 | 2.60   | ug/L |   |          | 10/23/25 18:26 | 1       |
| Carbon disulfide            | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 18:26 | 1       |
| Carbon tetrachloride        | ND     |           | 1.00 | 0.190  | ug/L |   |          | 10/23/25 18:26 | 1       |
| Chlorobenzene               | ND     |           | 1.00 | 0.420  | ug/L |   |          | 10/23/25 18:26 | 1       |
| Chlorobromomethane          | ND     |           | 1.00 | 0.520  | ug/L |   |          | 10/23/25 18:26 | 1       |
| Chlorodibromomethane        | ND     |           | 1.00 | 0.240  | ug/L |   |          | 10/23/25 18:26 | 1       |
| Chloroethane                | ND     |           | 1.00 | 0.760  | ug/L |   |          | 10/23/25 18:26 | 1       |
| Chloroform                  | ND     |           | 1.00 | 0.900  | ug/L |   |          | 10/23/25 18:26 | 1       |
| Chloromethane               | ND     |           | 1.00 | 0.400  | ug/L |   |          | 10/23/25 18:26 | 1       |
| 2-Chlorotoluene             | ND     |           | 1.00 | 0.570  | ug/L |   |          | 10/23/25 18:26 | 1       |
| 4-Chlorotoluene             | ND     |           | 1.00 | 0.560  | ug/L |   |          | 10/23/25 18:26 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 1.00 | 0.200  | ug/L |   |          | 10/23/25 18:26 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 5.00 | 0.500  | ug/L |   |          | 10/23/25 18:26 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND     |           | 5.00 | 1.50   | ug/L |   |          | 10/23/25 18:26 | 1       |
| Dibromomethane              | ND     |           | 5.00 | 0.220  | ug/L |   |          | 10/23/25 18:26 | 1       |
| 1,2-Dichlorobenzene         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 18:26 | 1       |
| 1,3-Dichlorobenzene         | ND     |           | 1.00 | 0.540  | ug/L |   |          | 10/23/25 18:26 | 1       |
| 1,4-Dichlorobenzene         | ND     |           | 1.00 | 0.640  | ug/L |   |          | 10/23/25 18:26 | 1       |
| Dichlorobromomethane        | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 18:26 | 1       |
| 1,1-Dichloroethane          | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 18:26 | 1       |
| 1,2-Dichloroethane          | ND     |           | 1.00 | 0.550  | ug/L |   |          | 10/23/25 18:26 | 1       |
| 1,1-Dichloroethene          | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 18:26 | 1       |
| 1,2-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 18:26 | 1       |
| 1,3-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 18:26 | 1       |
| 2,2-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 18:26 | 1       |
| 1,1-Dichloropropene         | ND     |           | 1.00 | 0.0900 | ug/L |   |          | 10/23/25 18:26 | 1       |
| Ethyl acetate               | ND     |           | 10.0 | 6.14   | ug/L |   |          | 10/23/25 18:26 | 1       |
| Ethylbenzene                | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 18:26 | 1       |
| Ethylene Dibromide          | ND     |           | 1.00 | 0.230  | ug/L |   |          | 10/23/25 18:26 | 1       |
| Hexachlorobutadiene         | ND     |           | 5.00 | 0.900  | ug/L |   |          | 10/23/25 18:26 | 1       |
| Hexane                      | ND     |           | 1.00 | 0.960  | ug/L |   |          | 10/23/25 18:26 | 1       |
| 2-Hexanone                  | ND     |           | 25.0 | 4.26   | ug/L |   |          | 10/23/25 18:26 | 1       |
| Iodomethane                 | ND     |           | 1.00 | 0.900  | ug/L |   |          | 10/23/25 18:26 | 1       |
| Isopropylbenzene            | ND     |           | 1.00 | 0.530  | ug/L |   |          | 10/23/25 18:26 | 1       |
| Isopropyl ether             | ND     |           | 1.00 | 0.740  | ug/L |   |          | 10/23/25 18:26 | 1       |
| 4-Isopropyltoluene          | ND     |           | 1.00 | 0.710  | ug/L |   |          | 10/23/25 18:26 | 1       |
| Methylene Chloride          | ND     |           | 5.00 | 4.00   | ug/L |   |          | 10/23/25 18:26 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     |           | 25.0 | 1.80   | ug/L |   |          | 10/23/25 18:26 | 1       |
| Methyl tert-butyl ether     | ND     |           | 1.00 | 0.220  | ug/L |   |          | 10/23/25 18:26 | 1       |
| m-Xylene & p-Xylene         | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 18:26 | 1       |
| Naphthalene                 | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 18:26 | 1       |
| n-Butylbenzene              | ND     | *+        | 1.00 | 0.760  | ug/L |   |          | 10/23/25 18:26 | 1       |
| n-Heptane                   | ND     |           | 1.00 | 0.210  | ug/L |   |          | 10/23/25 18:26 | 1       |
| N-Propylbenzene             | ND     |           | 1.00 | 0.690  | ug/L |   |          | 10/23/25 18:26 | 1       |

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# Client Sample Results

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

Job ID: 752-38160-1

**Client Sample ID: MW-8**

**Lab Sample ID: 752-38160-8**

**Date Collected: 10/15/25 14:15**

**Matrix: Water**

**Date Received: 10/16/25 09:00**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| o-Xylene                              | ND     |           | 5.00 | 3.00  | ug/L |   |          | 10/23/25 18:26 | 1       |
| sec-Butylbenzene                      | ND     |           | 1.00 | 0.700 | ug/L |   |          | 10/23/25 18:26 | 1       |
| Styrene                               | ND     |           | 1.00 | 1.00  | ug/L |   |          | 10/23/25 18:26 | 1       |
| tert-Butylbenzene                     | ND     |           | 1.00 | 0.630 | ug/L |   |          | 10/23/25 18:26 | 1       |
| 1,1,1,2-Tetrachloroethane             | ND     |           | 1.00 | 0.380 | ug/L |   |          | 10/23/25 18:26 | 1       |
| 1,1,1,2,2-Tetrachloroethane           | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 18:26 | 1       |
| Tetrachloroethene                     | ND     |           | 1.00 | 0.330 | ug/L |   |          | 10/23/25 18:26 | 1       |
| Toluene                               | ND     |           | 1.00 | 0.900 | ug/L |   |          | 10/23/25 18:26 | 1       |
| trans-1,4-Dichloro-2-butene           | ND     |           | 5.00 | 1.00  | ug/L |   |          | 10/23/25 18:26 | 1       |
| trans-1,2-Dichloroethene              | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 18:26 | 1       |
| trans-1,3-Dichloropropene             | ND     |           | 5.00 | 0.200 | ug/L |   |          | 10/23/25 18:26 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 1.00 | 0.900 | ug/L |   |          | 10/23/25 18:26 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 1.00 | 0.820 | ug/L |   |          | 10/23/25 18:26 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 1.00 | 0.180 | ug/L |   |          | 10/23/25 18:26 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 5.00 | 0.210 | ug/L |   |          | 10/23/25 18:26 | 1       |
| Trichloroethene                       | ND     |           | 1.00 | 0.150 | ug/L |   |          | 10/23/25 18:26 | 1       |
| Trichlorofluoromethane                | ND     |           | 1.00 | 0.250 | ug/L |   |          | 10/23/25 18:26 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 5.00 | 0.840 | ug/L |   |          | 10/23/25 18:26 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 18:26 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 1.00 | 0.820 | ug/L |   |          | 10/23/25 18:26 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 1.00 | 0.560 | ug/L |   |          | 10/23/25 18:26 | 1       |
| Vinyl acetate                         | ND     |           | 25.0 | 0.930 | ug/L |   |          | 10/23/25 18:26 | 1       |
| Vinyl chloride                        | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 18:26 | 1       |
| Xylenes, Total                        | ND     |           | 10.0 | 6.00  | ug/L |   |          | 10/23/25 18:26 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene         | 97        |           | 56 - 136 |          | 10/23/25 18:26 | 1       |
| Dibromofluoromethane         | 105       |           | 79 - 130 |          | 10/23/25 18:26 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 109       |           | 59 - 146 |          | 10/23/25 18:26 | 1       |
| Toluene-d8 (Surr)            | 104       |           | 64 - 132 |          | 10/23/25 18:26 | 1       |

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

| Analyte     | Result | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| 1,4-Dioxane | ND     |           | 0.277 | 0.277 | ug/L |   | 10/17/25 16:54 | 10/21/25 18:04 | 1       |

| Isotope Dilution | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Dioxane-d8   | 24        |           | 10 - 140 | 10/17/25 16:54 | 10/21/25 18:04 | 1       |

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

| Analyte               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| 1,1'-Biphenyl         | ND     |           | 10.1 | 0.423 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| 2,4,5-Trichlorophenol | ND     |           | 10.1 | 0.544 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| 2,4,6-Trichlorophenol | ND     |           | 10.1 | 1.10  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| 2,4-Dichlorophenol    | ND     |           | 10.1 | 0.574 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| 2,4-Dimethylphenol    | ND     |           | 10.1 | 0.242 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| 2,4-Dinitrophenol     | ND     | *         | 30.2 | 4.71  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| 2,4-Dinitrotoluene    | ND     | ++        | 10.1 | 0.654 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| 2,6-Dinitrotoluene    | ND     | ++        | 10.1 | 0.292 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| 2-Chloronaphthalene   | ND     |           | 10.1 | 0.383 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| 2-Chlorophenol        | ND     |           | 10.1 | 0.846 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| 2-Methylnaphthalene   | ND     |           | 10.1 | 0.815 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |

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# Client Sample Results

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

Job ID: 752-38160-1

**Client Sample ID: MW-8**

**Lab Sample ID: 752-38160-8**

**Date Collected: 10/15/25 14:15**

**Matrix: Water**

**Date Received: 10/16/25 09:00**

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

| Analyte                       | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| 2-Methylphenol                | ND     |           | 10.1 | 0.765 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| 2-Nitroaniline                | ND     | ++        | 10.1 | 1.38  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| 2-Nitrophenol                 | ND     | ++        | 10.1 | 1.18  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| 3 & 4 Methylphenol            | ND     |           | 20.1 | 4.63  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 11.1 | 0.413 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| 3-Nitroaniline                | ND     | ++        | 10.1 | 0.956 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 10.1 | 1.98  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 10.1 | 0.131 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 10.1 | 0.735 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| 4-Chloroaniline               | ND     | ++        | 10.1 | 0.584 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 10.1 | 0.242 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| 4-Nitroaniline                | ND     | ++        | 10.1 | 3.52  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| 4-Nitrophenol                 | ND     |           | 10.1 | 2.76  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| Acenaphthene                  | ND     |           | 10.1 | 0.634 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| Acenaphthylene                | ND     |           | 10.1 | 0.765 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| Acetophenone                  | ND     |           | 10.1 | 3.22  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| Anthracene                    | ND     |           | 10.1 | 0.916 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| Atrazine                      | ND     |           | 10.1 | 1.14  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| Benzaldehyde                  | ND     |           | 10.1 | 0.674 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| Benzo[a]anthracene            | ND     |           | 10.1 | 1.01  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| Benzo[a]pyrene                | ND     |           | 10.1 | 1.11  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| Benzo[b]fluoranthene          | ND     |           | 10.1 | 1.21  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| Benzo[g,h,i]perylene          | ND     |           | 10.1 | 1.51  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| Benzo[k]fluoranthene          | ND     |           | 10.1 | 1.51  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 10.1 | 0.936 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 10.1 | 0.342 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 10.1 | 0.735 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 10.1 | 4.03  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| Butyl benzyl phthalate        | ND     |           | 10.1 | 4.03  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| Caprolactam                   | ND     |           | 10.1 | 2.42  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| Carbazole                     | ND     |           | 10.1 | 0.322 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| Chrysene                      | ND     |           | 10.1 | 1.21  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 10.1 | 1.31  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| Dibenzofuran                  | ND     |           | 10.1 | 0.644 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| Diethyl phthalate             | ND     |           | 10.1 | 4.03  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| Dimethyl phthalate            | ND     |           | 10.1 | 4.03  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| Di-n-butyl phthalate          | ND     |           | 10.1 | 8.24  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| Di-n-octyl phthalate          | ND     |           | 10.1 | 4.03  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| Fluoranthene                  | ND     |           | 10.1 | 0.634 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| Fluorene                      | ND     |           | 10.1 | 0.674 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| Hexachlorobenzene             | ND     |           | 10.1 | 0.252 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| Hexachlorobutadiene           | ND     |           | 10.1 | 0.554 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| Hexachlorocyclopentadiene     | ND     |           | 20.1 | 0.322 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| Hexachloroethane              | ND     |           | 10.1 | 0.534 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| Indeno[1,2,3-cd]pyrene        | ND     |           | 10.1 | 1.11  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| Isophorone                    | ND     |           | 10.1 | 0.805 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| Naphthalene                   | ND     |           | 10.1 | 0.755 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| Nitrobenzene                  | ND     |           | 10.1 | 0.604 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| N-Nitrosodi-n-propylamine     | ND     |           | 10.1 | 0.332 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |

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# Client Sample Results

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

Job ID: 752-38160-1

**Client Sample ID: MW-8**

**Lab Sample ID: 752-38160-8**

**Date Collected: 10/15/25 14:15**

**Matrix: Water**

**Date Received: 10/16/25 09:00**

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

| Analyte                | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| N-Nitrosodiphenylamine | ND     |           | 10.1 | 0.191 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| Pentachlorophenol      | ND     |           | 10.1 | 2.82  | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| Phenanthrene           | ND     |           | 10.1 | 0.745 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| Phenol                 | ND     |           | 10.1 | 0.685 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| Pyrene                 | ND     |           | 10.1 | 0.634 | ug/L |   | 10/20/25 11:48 | 10/23/25 23:41 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   |  |  |  | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|--|--|--|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 105       |           | 10 - 150 |  |  |  | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| 2-Fluorobiphenyl (Surr)     | 82        |           | 25 - 139 |  |  |  | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| 2-Fluorophenol (Surr)       | 74        |           | 10 - 150 |  |  |  | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| Nitrobenzene-d5 (Surr)      | 106       |           | 22 - 150 |  |  |  | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| Phenol-d5 (Surr)            | 70        |           | 10 - 150 |  |  |  | 10/20/25 11:48 | 10/23/25 23:41 | 1       |
| Terphenyl-d14 (Surr)        | 58        |           | 28 - 150 |  |  |  | 10/20/25 11:48 | 10/23/25 23:41 | 1       |

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

| Analyte          | Result      | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-------------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Antimony         | ND          |           | 5.00  | 2.45  | ug/L |   | 10/21/25 17:35 | 10/22/25 21:40 | 1       |
| Arsenic          | ND          |           | 5.00  | 1.32  | ug/L |   | 10/21/25 17:35 | 10/22/25 21:40 | 1       |
| <b>Barium</b>    | <b>106</b>  |           | 10.0  | 0.410 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:40 | 1       |
| Beryllium        | ND          |           | 1.00  | 0.147 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:40 | 1       |
| Cadmium          | ND          |           | 0.700 | 0.237 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:40 | 1       |
| Chromium         | ND          | ^+        | 5.00  | 3.69  | ug/L |   | 10/21/25 17:35 | 10/22/25 21:40 | 1       |
| <b>Cobalt</b>    | <b>1.03</b> | J ^+ *+   | 5.00  | 0.411 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:40 | 1       |
| Copper           | ND          |           | 2.00  | 0.642 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:40 | 1       |
| Lead             | ND          |           | 1.00  | 0.864 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:40 | 1       |
| <b>Manganese</b> | <b>419</b>  |           | 5.00  | 1.29  | ug/L |   | 10/21/25 17:35 | 10/30/25 20:45 | 1       |
| <b>Nickel</b>    | <b>6.54</b> |           | 5.00  | 0.422 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:40 | 1       |
| Selenium         | ND          | ^+ *+     | 5.00  | 2.29  | ug/L |   | 10/21/25 17:35 | 10/22/25 21:40 | 1       |
| Silver           | ND          |           | 1.00  | 0.167 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:40 | 1       |
| Thallium         | ND          |           | 1.00  | 0.190 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:40 | 1       |
| <b>Vanadium</b>  | <b>5.22</b> | B         | 5.00  | 1.22  | ug/L |   | 10/21/25 17:35 | 10/30/25 20:45 | 1       |
| Zinc             | ND          |           | 10.0  | 8.91  | ug/L |   | 10/21/25 17:35 | 10/30/25 20:45 | 1       |

## Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.200 | 0.166 | ug/L |   | 10/24/25 12:28 | 10/24/25 17:31 | 1       |

## General Chemistry

| Analyte                              | Result      | Qualifier | RL     | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|--------------------------------------|-------------|-----------|--------|--------|------|---|----------|----------------|---------|
| Ammonia (as N) (EPA 350.1)           | ND          |           | 0.0500 | 0.0460 | mg/L |   |          | 10/24/25 13:06 | 1       |
| Nitrite as N (EPA 353.2)             | ND          |           | 0.100  | 0.0168 | mg/L |   |          | 10/16/25 16:34 | 1       |
| Nitrate as N (SM Nitrate by calc)    | ND          |           | 0.100  | 0.0250 | mg/L |   |          | 10/21/25 09:48 | 1       |
| Nitrate Nitrite as N (SM 4500 NO3 F) | ND          |           | 0.0500 | 0.0180 | mg/L |   |          | 10/21/25 19:28 | 1       |
| <b>Sulfate (SM 4500 SO4 E)</b>       | <b>12.1</b> |           | 5.00   | 1.40   | mg/L |   |          | 10/20/25 12:00 | 1       |

# Client Sample Results

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

Job ID: 752-38160-1

**Client Sample ID: MW-9**

**Lab Sample ID: 752-38160-9**

**Date Collected: 10/15/25 11:40**

**Matrix: Water**

**Date Received: 10/16/25 09:00**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

| Analyte                     | Result | Qualifier | RL   | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|--------|------|---|----------|----------------|---------|
| Acetone                     | ND     | *+        | 25.0 | 10.0   | ug/L |   |          | 10/23/25 18:53 | 1       |
| Benzene                     | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 18:53 | 1       |
| Bromobenzene                | ND     |           | 1.00 | 0.540  | ug/L |   |          | 10/23/25 18:53 | 1       |
| Bromoform                   | ND     |           | 5.00 | 0.250  | ug/L |   |          | 10/23/25 18:53 | 1       |
| Bromomethane                | ND     | *+        | 1.00 | 0.980  | ug/L |   |          | 10/23/25 18:53 | 1       |
| 2-Butanone (MEK)            | ND     |           | 25.0 | 2.60   | ug/L |   |          | 10/23/25 18:53 | 1       |
| Carbon disulfide            | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 18:53 | 1       |
| Carbon tetrachloride        | ND     |           | 1.00 | 0.190  | ug/L |   |          | 10/23/25 18:53 | 1       |
| Chlorobenzene               | ND     |           | 1.00 | 0.420  | ug/L |   |          | 10/23/25 18:53 | 1       |
| Chlorobromomethane          | ND     |           | 1.00 | 0.520  | ug/L |   |          | 10/23/25 18:53 | 1       |
| Chlorodibromomethane        | ND     |           | 1.00 | 0.240  | ug/L |   |          | 10/23/25 18:53 | 1       |
| Chloroethane                | ND     |           | 1.00 | 0.760  | ug/L |   |          | 10/23/25 18:53 | 1       |
| Chloroform                  | ND     |           | 1.00 | 0.900  | ug/L |   |          | 10/23/25 18:53 | 1       |
| Chloromethane               | ND     |           | 1.00 | 0.400  | ug/L |   |          | 10/23/25 18:53 | 1       |
| 2-Chlorotoluene             | ND     |           | 1.00 | 0.570  | ug/L |   |          | 10/23/25 18:53 | 1       |
| 4-Chlorotoluene             | ND     |           | 1.00 | 0.560  | ug/L |   |          | 10/23/25 18:53 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 1.00 | 0.200  | ug/L |   |          | 10/23/25 18:53 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 5.00 | 0.500  | ug/L |   |          | 10/23/25 18:53 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND     |           | 5.00 | 1.50   | ug/L |   |          | 10/23/25 18:53 | 1       |
| Dibromomethane              | ND     |           | 5.00 | 0.220  | ug/L |   |          | 10/23/25 18:53 | 1       |
| 1,2-Dichlorobenzene         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 18:53 | 1       |
| 1,3-Dichlorobenzene         | ND     |           | 1.00 | 0.540  | ug/L |   |          | 10/23/25 18:53 | 1       |
| 1,4-Dichlorobenzene         | ND     |           | 1.00 | 0.640  | ug/L |   |          | 10/23/25 18:53 | 1       |
| Dichlorobromomethane        | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 18:53 | 1       |
| 1,1-Dichloroethane          | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 18:53 | 1       |
| 1,2-Dichloroethane          | ND     |           | 1.00 | 0.550  | ug/L |   |          | 10/23/25 18:53 | 1       |
| 1,1-Dichloroethene          | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 18:53 | 1       |
| 1,2-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 18:53 | 1       |
| 1,3-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 18:53 | 1       |
| 2,2-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 18:53 | 1       |
| 1,1-Dichloropropene         | ND     |           | 1.00 | 0.0900 | ug/L |   |          | 10/23/25 18:53 | 1       |
| Ethyl acetate               | ND     |           | 10.0 | 6.14   | ug/L |   |          | 10/23/25 18:53 | 1       |
| Ethylbenzene                | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 18:53 | 1       |
| Ethylene Dibromide          | ND     |           | 1.00 | 0.230  | ug/L |   |          | 10/23/25 18:53 | 1       |
| Hexachlorobutadiene         | ND     |           | 5.00 | 0.900  | ug/L |   |          | 10/23/25 18:53 | 1       |
| Hexane                      | ND     |           | 1.00 | 0.960  | ug/L |   |          | 10/23/25 18:53 | 1       |
| 2-Hexanone                  | ND     |           | 25.0 | 4.26   | ug/L |   |          | 10/23/25 18:53 | 1       |
| Iodomethane                 | ND     |           | 1.00 | 0.900  | ug/L |   |          | 10/23/25 18:53 | 1       |
| Isopropylbenzene            | ND     |           | 1.00 | 0.530  | ug/L |   |          | 10/23/25 18:53 | 1       |
| Isopropyl ether             | ND     |           | 1.00 | 0.740  | ug/L |   |          | 10/23/25 18:53 | 1       |
| 4-Isopropyltoluene          | ND     |           | 1.00 | 0.710  | ug/L |   |          | 10/23/25 18:53 | 1       |
| Methylene Chloride          | ND     |           | 5.00 | 4.00   | ug/L |   |          | 10/23/25 18:53 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     |           | 25.0 | 1.80   | ug/L |   |          | 10/23/25 18:53 | 1       |
| Methyl tert-butyl ether     | ND     |           | 1.00 | 0.220  | ug/L |   |          | 10/23/25 18:53 | 1       |
| m-Xylene & p-Xylene         | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 18:53 | 1       |
| Naphthalene                 | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 18:53 | 1       |
| n-Butylbenzene              | ND     | *+        | 1.00 | 0.760  | ug/L |   |          | 10/23/25 18:53 | 1       |
| n-Heptane                   | ND     |           | 1.00 | 0.210  | ug/L |   |          | 10/23/25 18:53 | 1       |
| N-Propylbenzene             | ND     |           | 1.00 | 0.690  | ug/L |   |          | 10/23/25 18:53 | 1       |

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# Client Sample Results

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

Job ID: 752-38160-1

**Client Sample ID: MW-9**

**Lab Sample ID: 752-38160-9**

**Date Collected: 10/15/25 11:40**

**Matrix: Water**

**Date Received: 10/16/25 09:00**

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| o-Xylene                              | ND     |           | 5.00 | 3.00  | ug/L |   |          | 10/23/25 18:53 | 1       |
| sec-Butylbenzene                      | ND     |           | 1.00 | 0.700 | ug/L |   |          | 10/23/25 18:53 | 1       |
| Styrene                               | ND     |           | 1.00 | 1.00  | ug/L |   |          | 10/23/25 18:53 | 1       |
| tert-Butylbenzene                     | ND     |           | 1.00 | 0.630 | ug/L |   |          | 10/23/25 18:53 | 1       |
| 1,1,1,2-Tetrachloroethane             | ND     |           | 1.00 | 0.380 | ug/L |   |          | 10/23/25 18:53 | 1       |
| 1,1,1,2,2-Tetrachloroethane           | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 18:53 | 1       |
| Tetrachloroethene                     | ND     |           | 1.00 | 0.330 | ug/L |   |          | 10/23/25 18:53 | 1       |
| Toluene                               | ND     |           | 1.00 | 0.900 | ug/L |   |          | 10/23/25 18:53 | 1       |
| trans-1,4-Dichloro-2-butene           | ND     |           | 5.00 | 1.00  | ug/L |   |          | 10/23/25 18:53 | 1       |
| trans-1,2-Dichloroethene              | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 18:53 | 1       |
| trans-1,3-Dichloropropene             | ND     |           | 5.00 | 0.200 | ug/L |   |          | 10/23/25 18:53 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 1.00 | 0.900 | ug/L |   |          | 10/23/25 18:53 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 1.00 | 0.820 | ug/L |   |          | 10/23/25 18:53 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 1.00 | 0.180 | ug/L |   |          | 10/23/25 18:53 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 5.00 | 0.210 | ug/L |   |          | 10/23/25 18:53 | 1       |
| Trichloroethene                       | ND     |           | 1.00 | 0.150 | ug/L |   |          | 10/23/25 18:53 | 1       |
| Trichlorofluoromethane                | ND     |           | 1.00 | 0.250 | ug/L |   |          | 10/23/25 18:53 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 5.00 | 0.840 | ug/L |   |          | 10/23/25 18:53 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 18:53 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 1.00 | 0.820 | ug/L |   |          | 10/23/25 18:53 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 1.00 | 0.560 | ug/L |   |          | 10/23/25 18:53 | 1       |
| Vinyl acetate                         | ND     |           | 25.0 | 0.930 | ug/L |   |          | 10/23/25 18:53 | 1       |
| Vinyl chloride                        | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 18:53 | 1       |
| Xylenes, Total                        | ND     |           | 10.0 | 6.00  | ug/L |   |          | 10/23/25 18:53 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene         | 99        |           | 56 - 136 |          | 10/23/25 18:53 | 1       |
| Dibromofluoromethane         | 108       |           | 79 - 130 |          | 10/23/25 18:53 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 104       |           | 59 - 146 |          | 10/23/25 18:53 | 1       |
| Toluene-d8 (Surr)            | 102       |           | 64 - 132 |          | 10/23/25 18:53 | 1       |

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

| Analyte     | Result | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| 1,4-Dioxane | ND     |           | 0.280 | 0.280 | ug/L |   | 10/17/25 16:54 | 10/21/25 18:25 | 1       |

| Isotope Dilution | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Dioxane-d8   | 26        |           | 10 - 140 | 10/17/25 16:54 | 10/21/25 18:25 | 1       |

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

| Analyte               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| 1,1'-Biphenyl         | ND     |           | 10.2 | 0.430 | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| 2,4,5-Trichlorophenol | ND     |           | 10.2 | 0.553 | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| 2,4,6-Trichlorophenol | ND     |           | 10.2 | 1.12  | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| 2,4-Dichlorophenol    | ND     |           | 10.2 | 0.584 | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| 2,4-Dimethylphenol    | ND     |           | 10.2 | 0.246 | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| 2,4-Dinitrophenol     | ND     | *         | 30.7 | 4.79  | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| 2,4-Dinitrotoluene    | ND     | ++        | 10.2 | 0.666 | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| 2,6-Dinitrotoluene    | ND     | ++        | 10.2 | 0.297 | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| 2-Chloronaphthalene   | ND     |           | 10.2 | 0.389 | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| 2-Chlorophenol        | ND     |           | 10.2 | 0.860 | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| 2-Methylnaphthalene   | ND     |           | 10.2 | 0.829 | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |

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# Client Sample Results

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

Job ID: 752-38160-1

**Client Sample ID: MW-9**

**Lab Sample ID: 752-38160-9**

**Date Collected: 10/15/25 11:40**

**Matrix: Water**

**Date Received: 10/16/25 09:00**

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

| Analyte                       | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| 2-Methylphenol                | ND     |           | 10.2 | 0.778 | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| 2-Nitroaniline                | ND     | ++        | 10.2 | 1.40  | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| 2-Nitrophenol                 | ND     | ++        | 10.2 | 1.20  | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| 3 & 4 Methylphenol            | ND     |           | 20.5 | 4.71  | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 11.3 | 0.420 | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| 3-Nitroaniline                | ND     | ++        | 10.2 | 0.973 | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 10.2 | 2.02  | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 10.2 | 0.133 | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 10.2 | 0.747 | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| 4-Chloroaniline               | ND     | ++        | 10.2 | 0.594 | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 10.2 | 0.246 | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| 4-Nitroaniline                | ND     | ++        | 10.2 | 3.58  | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| 4-Nitrophenol                 | ND     |           | 10.2 | 2.81  | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| Acenaphthene                  | ND     |           | 10.2 | 0.645 | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| Acenaphthylene                | ND     |           | 10.2 | 0.778 | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| Acetophenone                  | ND     |           | 10.2 | 3.28  | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| Anthracene                    | ND     |           | 10.2 | 0.932 | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| Atrazine                      | ND     |           | 10.2 | 1.16  | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| Benzaldehyde                  | ND     |           | 10.2 | 0.686 | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| Benzo[a]anthracene            | ND     |           | 10.2 | 1.02  | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| Benzo[a]pyrene                | ND     |           | 10.2 | 1.13  | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| Benzo[b]fluoranthene          | ND     |           | 10.2 | 1.23  | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| Benzo[g,h,i]perylene          | ND     |           | 10.2 | 1.54  | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| Benzo[k]fluoranthene          | ND     |           | 10.2 | 1.54  | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 10.2 | 0.952 | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 10.2 | 0.348 | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 10.2 | 0.747 | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 10.2 | 4.10  | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| Butyl benzyl phthalate        | ND     |           | 10.2 | 4.10  | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| Caprolactam                   | ND     |           | 10.2 | 2.46  | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| Carbazole                     | ND     |           | 10.2 | 0.328 | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| Chrysene                      | ND     |           | 10.2 | 1.23  | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 10.2 | 1.33  | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| Dibenzofuran                  | ND     |           | 10.2 | 0.655 | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| Diethyl phthalate             | ND     |           | 10.2 | 4.10  | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| Dimethyl phthalate            | ND     |           | 10.2 | 4.10  | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| Di-n-butyl phthalate          | ND     |           | 10.2 | 8.39  | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| Di-n-octyl phthalate          | ND     |           | 10.2 | 4.10  | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| Fluoranthene                  | ND     |           | 10.2 | 0.645 | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| Fluorene                      | ND     |           | 10.2 | 0.686 | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| Hexachlorobenzene             | ND     |           | 10.2 | 0.256 | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| Hexachlorobutadiene           | ND     |           | 10.2 | 0.563 | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| Hexachlorocyclopentadiene     | ND     |           | 20.5 | 0.328 | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| Hexachloroethane              | ND     |           | 10.2 | 0.543 | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| Indeno[1,2,3-cd]pyrene        | ND     |           | 10.2 | 1.13  | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| Isophorone                    | ND     |           | 10.2 | 0.819 | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| Naphthalene                   | ND     |           | 10.2 | 0.768 | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| Nitrobenzene                  | ND     |           | 10.2 | 0.614 | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| N-Nitrosodi-n-propylamine     | ND     |           | 10.2 | 0.338 | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |

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# Client Sample Results

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

Job ID: 752-38160-1

**Client Sample ID: MW-9**

**Lab Sample ID: 752-38160-9**

Date Collected: 10/15/25 11:40

Matrix: Water

Date Received: 10/16/25 09:00

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

| Analyte                | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| N-Nitrosodiphenylamine | ND     |           | 10.2 | 0.195 | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| Pentachlorophenol      | ND     |           | 10.2 | 2.87  | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| Phenanthrene           | ND     |           | 10.2 | 0.758 | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| Phenol                 | ND     |           | 10.2 | 0.696 | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| Pyrene                 | ND     |           | 10.2 | 0.645 | ug/L |   | 10/20/25 11:48 | 10/24/25 00:13 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   |  |  |  | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|--|--|--|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 109       |           | 10 - 150 |  |  |  | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| 2-Fluorobiphenyl (Surr)     | 88        |           | 25 - 139 |  |  |  | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| 2-Fluorophenol (Surr)       | 75        |           | 10 - 150 |  |  |  | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| Nitrobenzene-d5 (Surr)      | 114       |           | 22 - 150 |  |  |  | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| Phenol-d5 (Surr)            | 71        |           | 10 - 150 |  |  |  | 10/20/25 11:48 | 10/24/25 00:13 | 1       |
| Terphenyl-d14 (Surr)        | 69        |           | 28 - 150 |  |  |  | 10/20/25 11:48 | 10/24/25 00:13 | 1       |

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

| Analyte          | Result       | Qualifier      | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|----------------|-------|-------|------|---|----------------|----------------|---------|
| Antimony         | ND           |                | 5.00  | 2.45  | ug/L |   | 10/21/25 17:35 | 10/22/25 21:43 | 1       |
| <b>Arsenic</b>   | <b>7.49</b>  |                | 5.00  | 1.32  | ug/L |   | 10/21/25 17:35 | 10/22/25 21:43 | 1       |
| <b>Barium</b>    | <b>397</b>   |                | 10.0  | 0.410 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:43 | 1       |
| Beryllium        | ND           |                | 1.00  | 0.147 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:43 | 1       |
| Cadmium          | ND           |                | 0.700 | 0.237 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:43 | 1       |
| Chromium         | ND           | ^+             | 5.00  | 3.69  | ug/L |   | 10/21/25 17:35 | 10/22/25 21:43 | 1       |
| <b>Cobalt</b>    | <b>0.982</b> | <b>J ^+ *+</b> | 5.00  | 0.411 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:43 | 1       |
| Copper           | ND           |                | 2.00  | 0.642 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:43 | 1       |
| Lead             | ND           |                | 1.00  | 0.864 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:43 | 1       |
| <b>Manganese</b> | <b>127</b>   |                | 5.00  | 1.29  | ug/L |   | 10/21/25 17:35 | 10/30/25 20:48 | 1       |
| <b>Nickel</b>    | <b>0.757</b> | <b>J</b>       | 5.00  | 0.422 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:43 | 1       |
| Selenium         | ND           | ^+ *+          | 5.00  | 2.29  | ug/L |   | 10/21/25 17:35 | 10/22/25 21:43 | 1       |
| Silver           | ND           |                | 1.00  | 0.167 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:43 | 1       |
| Thallium         | ND           |                | 1.00  | 0.190 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:43 | 1       |
| <b>Vanadium</b>  | <b>27.3</b>  | <b>B</b>       | 5.00  | 1.22  | ug/L |   | 10/21/25 17:35 | 10/30/25 20:48 | 1       |
| Zinc             | ND           |                | 10.0  | 8.91  | ug/L |   | 10/21/25 17:35 | 10/30/25 20:48 | 1       |

**Method: SW846 7470A - Mercury (CVAA)**

| Analyte | Result | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.200 | 0.166 | ug/L |   | 10/24/25 12:28 | 10/24/25 17:35 | 1       |

**General Chemistry**

| Analyte                                     | Result        | Qualifier | RL     | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|---|---------------|-----------|--------|--------|------|---|----------|----------------|---------|
| Ammonia (as N) (EPA 350.1)                  | ND            |           | 0.0500 | 0.0460 | mg/L |   |          | 10/24/25 13:09 | 1       |
| Nitrite as N (EPA 353.2)                    | ND            |           | 0.100  | 0.0168 | mg/L |   |          | 10/16/25 16:35 | 1       |
| Nitrate as N (SM Nitrate by calc)           | ND            |           | 0.100  | 0.0250 | mg/L |   |          | 10/21/25 09:48 | 1       |
| <b>Nitrate Nitrite as N (SM 4500 NO3 F)</b> | <b>0.0250</b> | <b>J</b>  | 0.0500 | 0.0180 | mg/L |   |          | 10/21/25 19:30 | 1       |
| <b>Sulfate (SM 4500 SO4 E)</b>              | <b>10.7</b>   |           | 5.00   | 1.40   | mg/L |   |          | 10/20/25 12:00 | 1       |

# Client Sample Results

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

Job ID: 752-38160-1

**Client Sample ID: 101525-DUP1**

**Lab Sample ID: 752-38160-10**

**Date Collected: 10/15/25 00:00**

**Matrix: Water**

**Date Received: 10/16/25 09:00**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

| Analyte                     | Result | Qualifier | RL   | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|--------|------|---|----------|----------------|---------|
| Acetone                     | ND     | *+        | 25.0 | 10.0   | ug/L |   |          | 10/23/25 19:19 | 1       |
| Benzene                     | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 19:19 | 1       |
| Bromobenzene                | ND     |           | 1.00 | 0.540  | ug/L |   |          | 10/23/25 19:19 | 1       |
| Bromoform                   | ND     |           | 5.00 | 0.250  | ug/L |   |          | 10/23/25 19:19 | 1       |
| Bromomethane                | ND     | *+        | 1.00 | 0.980  | ug/L |   |          | 10/23/25 19:19 | 1       |
| 2-Butanone (MEK)            | ND     |           | 25.0 | 2.60   | ug/L |   |          | 10/23/25 19:19 | 1       |
| Carbon disulfide            | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 19:19 | 1       |
| Carbon tetrachloride        | ND     |           | 1.00 | 0.190  | ug/L |   |          | 10/23/25 19:19 | 1       |
| Chlorobenzene               | ND     |           | 1.00 | 0.420  | ug/L |   |          | 10/23/25 19:19 | 1       |
| Chlorobromomethane          | ND     |           | 1.00 | 0.520  | ug/L |   |          | 10/23/25 19:19 | 1       |
| Chlorodibromomethane        | ND     |           | 1.00 | 0.240  | ug/L |   |          | 10/23/25 19:19 | 1       |
| Chloroethane                | ND     |           | 1.00 | 0.760  | ug/L |   |          | 10/23/25 19:19 | 1       |
| Chloroform                  | ND     |           | 1.00 | 0.900  | ug/L |   |          | 10/23/25 19:19 | 1       |
| Chloromethane               | ND     |           | 1.00 | 0.400  | ug/L |   |          | 10/23/25 19:19 | 1       |
| 2-Chlorotoluene             | ND     |           | 1.00 | 0.570  | ug/L |   |          | 10/23/25 19:19 | 1       |
| 4-Chlorotoluene             | ND     |           | 1.00 | 0.560  | ug/L |   |          | 10/23/25 19:19 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 1.00 | 0.200  | ug/L |   |          | 10/23/25 19:19 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 5.00 | 0.500  | ug/L |   |          | 10/23/25 19:19 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND     |           | 5.00 | 1.50   | ug/L |   |          | 10/23/25 19:19 | 1       |
| Dibromomethane              | ND     |           | 5.00 | 0.220  | ug/L |   |          | 10/23/25 19:19 | 1       |
| 1,2-Dichlorobenzene         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 19:19 | 1       |
| 1,3-Dichlorobenzene         | ND     |           | 1.00 | 0.540  | ug/L |   |          | 10/23/25 19:19 | 1       |
| 1,4-Dichlorobenzene         | ND     |           | 1.00 | 0.640  | ug/L |   |          | 10/23/25 19:19 | 1       |
| Dichlorobromomethane        | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 19:19 | 1       |
| 1,1-Dichloroethane          | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 19:19 | 1       |
| 1,2-Dichloroethane          | ND     |           | 1.00 | 0.550  | ug/L |   |          | 10/23/25 19:19 | 1       |
| 1,1-Dichloroethene          | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 19:19 | 1       |
| 1,2-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 19:19 | 1       |
| 1,3-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 19:19 | 1       |
| 2,2-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 19:19 | 1       |
| 1,1-Dichloropropene         | ND     |           | 1.00 | 0.0900 | ug/L |   |          | 10/23/25 19:19 | 1       |
| Ethyl acetate               | ND     |           | 10.0 | 6.14   | ug/L |   |          | 10/23/25 19:19 | 1       |
| Ethylbenzene                | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 19:19 | 1       |
| Ethylene Dibromide          | ND     |           | 1.00 | 0.230  | ug/L |   |          | 10/23/25 19:19 | 1       |
| Hexachlorobutadiene         | ND     |           | 5.00 | 0.900  | ug/L |   |          | 10/23/25 19:19 | 1       |
| Hexane                      | ND     |           | 1.00 | 0.960  | ug/L |   |          | 10/23/25 19:19 | 1       |
| 2-Hexanone                  | ND     |           | 25.0 | 4.26   | ug/L |   |          | 10/23/25 19:19 | 1       |
| Iodomethane                 | ND     |           | 1.00 | 0.900  | ug/L |   |          | 10/23/25 19:19 | 1       |
| Isopropylbenzene            | ND     |           | 1.00 | 0.530  | ug/L |   |          | 10/23/25 19:19 | 1       |
| Isopropyl ether             | ND     |           | 1.00 | 0.740  | ug/L |   |          | 10/23/25 19:19 | 1       |
| 4-Isopropyltoluene          | ND     |           | 1.00 | 0.710  | ug/L |   |          | 10/23/25 19:19 | 1       |
| Methylene Chloride          | ND     |           | 5.00 | 4.00   | ug/L |   |          | 10/23/25 19:19 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     |           | 25.0 | 1.80   | ug/L |   |          | 10/23/25 19:19 | 1       |
| Methyl tert-butyl ether     | ND     |           | 1.00 | 0.220  | ug/L |   |          | 10/23/25 19:19 | 1       |
| m-Xylene & p-Xylene         | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 19:19 | 1       |
| Naphthalene                 | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 19:19 | 1       |
| n-Butylbenzene              | ND     | *+        | 1.00 | 0.760  | ug/L |   |          | 10/23/25 19:19 | 1       |
| n-Heptane                   | ND     |           | 1.00 | 0.210  | ug/L |   |          | 10/23/25 19:19 | 1       |
| N-Propylbenzene             | ND     |           | 1.00 | 0.690  | ug/L |   |          | 10/23/25 19:19 | 1       |

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# Client Sample Results

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

Job ID: 752-38160-1

**Client Sample ID: 101525-DUP1**

**Lab Sample ID: 752-38160-10**

**Date Collected: 10/15/25 00:00**

**Matrix: Water**

**Date Received: 10/16/25 09:00**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| o-Xylene                              | ND     |           | 5.00 | 3.00  | ug/L |   |          | 10/23/25 19:19 | 1       |
| sec-Butylbenzene                      | ND     |           | 1.00 | 0.700 | ug/L |   |          | 10/23/25 19:19 | 1       |
| Styrene                               | ND     |           | 1.00 | 1.00  | ug/L |   |          | 10/23/25 19:19 | 1       |
| tert-Butylbenzene                     | ND     |           | 1.00 | 0.630 | ug/L |   |          | 10/23/25 19:19 | 1       |
| 1,1,1,2-Tetrachloroethane             | ND     |           | 1.00 | 0.380 | ug/L |   |          | 10/23/25 19:19 | 1       |
| 1,1,1,2,2-Tetrachloroethane           | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 19:19 | 1       |
| Tetrachloroethene                     | ND     |           | 1.00 | 0.330 | ug/L |   |          | 10/23/25 19:19 | 1       |
| Toluene                               | ND     |           | 1.00 | 0.900 | ug/L |   |          | 10/23/25 19:19 | 1       |
| trans-1,4-Dichloro-2-butene           | ND     |           | 5.00 | 1.00  | ug/L |   |          | 10/23/25 19:19 | 1       |
| trans-1,2-Dichloroethene              | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 19:19 | 1       |
| trans-1,3-Dichloropropene             | ND     |           | 5.00 | 0.200 | ug/L |   |          | 10/23/25 19:19 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 1.00 | 0.900 | ug/L |   |          | 10/23/25 19:19 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 1.00 | 0.820 | ug/L |   |          | 10/23/25 19:19 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 1.00 | 0.180 | ug/L |   |          | 10/23/25 19:19 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 5.00 | 0.210 | ug/L |   |          | 10/23/25 19:19 | 1       |
| Trichloroethene                       | ND     |           | 1.00 | 0.150 | ug/L |   |          | 10/23/25 19:19 | 1       |
| Trichlorofluoromethane                | ND     |           | 1.00 | 0.250 | ug/L |   |          | 10/23/25 19:19 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 5.00 | 0.840 | ug/L |   |          | 10/23/25 19:19 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 19:19 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 1.00 | 0.820 | ug/L |   |          | 10/23/25 19:19 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 1.00 | 0.560 | ug/L |   |          | 10/23/25 19:19 | 1       |
| Vinyl acetate                         | ND     |           | 25.0 | 0.930 | ug/L |   |          | 10/23/25 19:19 | 1       |
| Vinyl chloride                        | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 19:19 | 1       |
| Xylenes, Total                        | ND     |           | 10.0 | 6.00  | ug/L |   |          | 10/23/25 19:19 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene         | 99        |           | 56 - 136 |          | 10/23/25 19:19 | 1       |
| Dibromofluoromethane         | 105       |           | 79 - 130 |          | 10/23/25 19:19 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 108       |           | 59 - 146 |          | 10/23/25 19:19 | 1       |
| Toluene-d8 (Surr)            | 101       |           | 64 - 132 |          | 10/23/25 19:19 | 1       |

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

| Analyte     | Result | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| 1,4-Dioxane | ND     |           | 0.285 | 0.285 | ug/L |   | 10/17/25 16:54 | 10/21/25 18:47 | 1       |

| Isotope Dilution | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Dioxane-d8   | 28        |           | 10 - 140 | 10/17/25 16:54 | 10/21/25 18:47 | 1       |

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

| Analyte               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| 1,1'-Biphenyl         | ND     |           | 10.0 | 0.420 | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| 2,4,5-Trichlorophenol | ND     |           | 10.0 | 0.540 | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| 2,4,6-Trichlorophenol | ND     |           | 10.0 | 1.09  | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| 2,4-Dichlorophenol    | ND     |           | 10.0 | 0.570 | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| 2,4-Dimethylphenol    | ND     |           | 10.0 | 0.240 | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| 2,4-Dinitrophenol     | ND     | *+        | 30.0 | 4.68  | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| 2,4-Dinitrotoluene    | ND     | *+        | 10.0 | 0.650 | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| 2,6-Dinitrotoluene    | ND     | *+        | 10.0 | 0.290 | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| 2-Chloronaphthalene   | ND     |           | 10.0 | 0.380 | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| 2-Chlorophenol        | ND     |           | 10.0 | 0.840 | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| 2-Methylnaphthalene   | ND     |           | 10.0 | 0.810 | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |

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# Client Sample Results

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

Job ID: 752-38160-1

**Client Sample ID: 101525-DUP1**

**Lab Sample ID: 752-38160-10**

**Date Collected: 10/15/25 00:00**

**Matrix: Water**

**Date Received: 10/16/25 09:00**

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

| Analyte                       | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| 2-Methylphenol                | ND     |           | 10.0 | 0.760 | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| 2-Nitroaniline                | ND     | ++        | 10.0 | 1.37  | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| 2-Nitrophenol                 | ND     | ++        | 10.0 | 1.17  | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| 3 & 4 Methylphenol            | ND     |           | 20.0 | 4.60  | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 11.0 | 0.410 | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| 3-Nitroaniline                | ND     | ++        | 10.0 | 0.950 | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     | ++        | 10.0 | 1.97  | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 10.0 | 0.130 | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 10.0 | 0.730 | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| 4-Chloroaniline               | ND     |           | 10.0 | 0.580 | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 10.0 | 0.240 | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| 4-Nitroaniline                | ND     | ++        | 10.0 | 3.50  | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| 4-Nitrophenol                 | ND     | ++        | 10.0 | 2.74  | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| Acenaphthene                  | ND     |           | 10.0 | 0.630 | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| Acenaphthylene                | ND     |           | 10.0 | 0.760 | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| Acetophenone                  | ND     |           | 10.0 | 3.20  | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| Anthracene                    | ND     |           | 10.0 | 0.910 | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| Atrazine                      | ND     |           | 10.0 | 1.13  | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| Benzaldehyde                  | ND     |           | 10.0 | 0.670 | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| Benzo[a]anthracene            | ND     |           | 10.0 | 1.00  | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| Benzo[a]pyrene                | ND     |           | 10.0 | 1.10  | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| Benzo[b]fluoranthene          | ND     |           | 10.0 | 1.20  | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| Benzo[g,h,i]perylene          | ND     |           | 10.0 | 1.50  | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| Benzo[k]fluoranthene          | ND     |           | 10.0 | 1.50  | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 10.0 | 0.930 | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 10.0 | 0.340 | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 10.0 | 0.730 | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 10.0 | 4.00  | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| Butyl benzyl phthalate        | ND     |           | 10.0 | 4.00  | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| Caprolactam                   | ND     |           | 10.0 | 2.40  | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| Carbazole                     | ND     |           | 10.0 | 0.320 | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| Chrysene                      | ND     |           | 10.0 | 1.20  | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 10.0 | 1.30  | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| Dibenzofuran                  | ND     |           | 10.0 | 0.640 | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| Diethyl phthalate             | ND     |           | 10.0 | 4.00  | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| Dimethyl phthalate            | ND     |           | 10.0 | 4.00  | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| Di-n-butyl phthalate          | ND     |           | 10.0 | 8.19  | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| Di-n-octyl phthalate          | ND     |           | 10.0 | 4.00  | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| Fluoranthene                  | ND     |           | 10.0 | 0.630 | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| Fluorene                      | ND     |           | 10.0 | 0.670 | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| Hexachlorobenzene             | ND     |           | 10.0 | 0.250 | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| Hexachlorobutadiene           | ND     |           | 10.0 | 0.550 | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| Hexachlorocyclopentadiene     | ND     |           | 20.0 | 0.320 | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| Hexachloroethane              | ND     |           | 10.0 | 0.530 | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| Indeno[1,2,3-cd]pyrene        | ND     |           | 10.0 | 1.10  | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| Isophorone                    | ND     |           | 10.0 | 0.800 | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| Naphthalene                   | ND     |           | 10.0 | 0.750 | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| Nitrobenzene                  | ND     |           | 10.0 | 0.600 | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| N-Nitrosodi-n-propylamine     | ND     |           | 10.0 | 0.330 | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |

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# Client Sample Results

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

Job ID: 752-38160-1

**Client Sample ID: 101525-DUP1**

**Lab Sample ID: 752-38160-10**

Date Collected: 10/15/25 00:00

Matrix: Water

Date Received: 10/16/25 09:00

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

| Analyte                | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| N-Nitrosodiphenylamine | ND     |           | 10.0 | 0.190 | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| Pentachlorophenol      | ND     |           | 10.0 | 2.80  | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| Phenanthrene           | ND     |           | 10.0 | 0.740 | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| Phenol                 | ND     |           | 10.0 | 0.680 | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| Pyrene                 | ND     |           | 10.0 | 0.630 | ug/L |   | 10/19/25 13:42 | 10/27/25 21:51 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   |  |  |  | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|--|--|--|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 117       |           | 10 - 150 |  |  |  | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| 2-Fluorobiphenyl (Surr)     | 88        |           | 25 - 139 |  |  |  | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| 2-Fluorophenol (Surr)       | 79        |           | 10 - 150 |  |  |  | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| Nitrobenzene-d5 (Surr)      | 119       |           | 22 - 150 |  |  |  | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| Phenol-d5 (Surr)            | 69        |           | 10 - 150 |  |  |  | 10/19/25 13:42 | 10/27/25 21:51 | 1       |
| Terphenyl-d14 (Surr)        | 55        |           | 28 - 150 |  |  |  | 10/19/25 13:42 | 10/27/25 21:51 | 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 |   | 10/21/25 17:35 | 10/22/25 21:45 | 1       |
| Arsenic   | ND     |           | 5.00  | 1.32  | ug/L |   | 10/21/25 17:35 | 10/22/25 21:45 | 1       |
| Barium    | 156    |           | 10.0  | 0.410 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:45 | 1       |
| Beryllium | 0.227  | J         | 1.00  | 0.147 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:45 | 1       |
| Cadmium   | ND     |           | 0.700 | 0.237 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:45 | 1       |
| Chromium  | ND     | ^+        | 5.00  | 3.69  | ug/L |   | 10/21/25 17:35 | 10/22/25 21:45 | 1       |
| Cobalt    | 0.634  | J ^+ **   | 5.00  | 0.411 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:45 | 1       |
| Copper    | 0.684  | J         | 2.00  | 0.642 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:45 | 1       |
| Lead      | ND     |           | 1.00  | 0.864 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:45 | 1       |
| Manganese | 172    |           | 5.00  | 1.29  | ug/L |   | 10/21/25 17:35 | 10/30/25 20:50 | 1       |
| Nickel    | 1.06   | J         | 5.00  | 0.422 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:45 | 1       |
| Selenium  | ND     | ^+ **     | 5.00  | 2.29  | ug/L |   | 10/21/25 17:35 | 10/22/25 21:45 | 1       |
| Silver    | ND     |           | 1.00  | 0.167 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:45 | 1       |
| Thallium  | ND     |           | 1.00  | 0.190 | ug/L |   | 10/21/25 17:35 | 10/22/25 21:45 | 1       |
| Vanadium  | 9.34   | B         | 5.00  | 1.22  | ug/L |   | 10/21/25 17:35 | 10/30/25 20:50 | 1       |
| Zinc      | ND     |           | 10.0  | 8.91  | ug/L |   | 10/21/25 17:35 | 10/30/25 20:50 | 1       |

**Method: SW846 7470A - Mercury (CVAA)**

| Analyte | Result | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.200 | 0.166 | ug/L |   | 10/24/25 12:28 | 10/24/25 17:39 | 1       |

**General Chemistry**

| Analyte                              | Result | Qualifier | RL     | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|--------|--------|------|---|----------|----------------|---------|
| Ammonia (as N) (EPA 350.1)           | ND     |           | 0.0500 | 0.0460 | mg/L |   |          | 10/24/25 13:12 | 1       |
| Nitrite as N (EPA 353.2)             | ND     |           | 0.100  | 0.0168 | mg/L |   |          | 10/16/25 16:38 | 1       |
| Nitrate as N (SM Nitrate by calc)    | 1.01   |           | 0.100  | 0.0250 | mg/L |   |          | 10/21/25 09:48 | 1       |
| Nitrate Nitrite as N (SM 4500 NO3 F) | 1.01   |           | 0.0500 | 0.0180 | mg/L |   |          | 10/21/25 19:31 | 1       |
| Sulfate (SM 4500 SO4 E)              | 38.5   |           | 5.00   | 1.40   | mg/L |   |          | 10/20/25 12:01 | 1       |

# Client Sample Results

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

Job ID: 752-38160-1

**Client Sample ID: Trip Blank**

**Lab Sample ID: 752-38160-11**

**Date Collected: 10/15/25 00:00**

**Matrix: Water**

**Date Received: 10/16/25 09:00**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

| Analyte                     | Result | Qualifier | RL   | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|--------|------|---|----------|----------------|---------|
| Acetone                     | ND     | *+        | 25.0 | 10.0   | ug/L |   |          | 10/23/25 19:46 | 1       |
| Benzene                     | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 19:46 | 1       |
| Bromobenzene                | ND     |           | 1.00 | 0.540  | ug/L |   |          | 10/23/25 19:46 | 1       |
| Bromoform                   | ND     |           | 5.00 | 0.250  | ug/L |   |          | 10/23/25 19:46 | 1       |
| Bromomethane                | ND     | *+        | 1.00 | 0.980  | ug/L |   |          | 10/23/25 19:46 | 1       |
| 2-Butanone (MEK)            | ND     |           | 25.0 | 2.60   | ug/L |   |          | 10/23/25 19:46 | 1       |
| Carbon disulfide            | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 19:46 | 1       |
| Carbon tetrachloride        | ND     |           | 1.00 | 0.190  | ug/L |   |          | 10/23/25 19:46 | 1       |
| Chlorobenzene               | ND     |           | 1.00 | 0.420  | ug/L |   |          | 10/23/25 19:46 | 1       |
| Chlorobromomethane          | ND     |           | 1.00 | 0.520  | ug/L |   |          | 10/23/25 19:46 | 1       |
| Chlorodibromomethane        | ND     |           | 1.00 | 0.240  | ug/L |   |          | 10/23/25 19:46 | 1       |
| Chloroethane                | ND     |           | 1.00 | 0.760  | ug/L |   |          | 10/23/25 19:46 | 1       |
| Chloroform                  | ND     |           | 1.00 | 0.900  | ug/L |   |          | 10/23/25 19:46 | 1       |
| Chloromethane               | ND     |           | 1.00 | 0.400  | ug/L |   |          | 10/23/25 19:46 | 1       |
| 2-Chlorotoluene             | ND     |           | 1.00 | 0.570  | ug/L |   |          | 10/23/25 19:46 | 1       |
| 4-Chlorotoluene             | ND     |           | 1.00 | 0.560  | ug/L |   |          | 10/23/25 19:46 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 1.00 | 0.200  | ug/L |   |          | 10/23/25 19:46 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 5.00 | 0.500  | ug/L |   |          | 10/23/25 19:46 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND     |           | 5.00 | 1.50   | ug/L |   |          | 10/23/25 19:46 | 1       |
| Dibromomethane              | ND     |           | 5.00 | 0.220  | ug/L |   |          | 10/23/25 19:46 | 1       |
| 1,2-Dichlorobenzene         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 19:46 | 1       |
| 1,3-Dichlorobenzene         | ND     |           | 1.00 | 0.540  | ug/L |   |          | 10/23/25 19:46 | 1       |
| 1,4-Dichlorobenzene         | ND     |           | 1.00 | 0.640  | ug/L |   |          | 10/23/25 19:46 | 1       |
| Dichlorobromomethane        | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 19:46 | 1       |
| 1,1-Dichloroethane          | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 19:46 | 1       |
| 1,2-Dichloroethane          | ND     |           | 1.00 | 0.550  | ug/L |   |          | 10/23/25 19:46 | 1       |
| 1,1-Dichloroethene          | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 19:46 | 1       |
| 1,2-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 19:46 | 1       |
| 1,3-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 19:46 | 1       |
| 2,2-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 19:46 | 1       |
| 1,1-Dichloropropene         | ND     |           | 1.00 | 0.0900 | ug/L |   |          | 10/23/25 19:46 | 1       |
| Ethyl acetate               | ND     |           | 10.0 | 6.14   | ug/L |   |          | 10/23/25 19:46 | 1       |
| Ethylbenzene                | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 19:46 | 1       |
| Ethylene Dibromide          | ND     |           | 1.00 | 0.230  | ug/L |   |          | 10/23/25 19:46 | 1       |
| Hexachlorobutadiene         | ND     |           | 5.00 | 0.900  | ug/L |   |          | 10/23/25 19:46 | 1       |
| Hexane                      | ND     |           | 1.00 | 0.960  | ug/L |   |          | 10/23/25 19:46 | 1       |
| 2-Hexanone                  | ND     |           | 25.0 | 4.26   | ug/L |   |          | 10/23/25 19:46 | 1       |
| Iodomethane                 | ND     |           | 1.00 | 0.900  | ug/L |   |          | 10/23/25 19:46 | 1       |
| Isopropylbenzene            | ND     |           | 1.00 | 0.530  | ug/L |   |          | 10/23/25 19:46 | 1       |
| Isopropyl ether             | ND     |           | 1.00 | 0.740  | ug/L |   |          | 10/23/25 19:46 | 1       |
| 4-Isopropyltoluene          | ND     |           | 1.00 | 0.710  | ug/L |   |          | 10/23/25 19:46 | 1       |
| Methylene Chloride          | ND     |           | 5.00 | 4.00   | ug/L |   |          | 10/23/25 19:46 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     |           | 25.0 | 1.80   | ug/L |   |          | 10/23/25 19:46 | 1       |
| Methyl tert-butyl ether     | ND     |           | 1.00 | 0.220  | ug/L |   |          | 10/23/25 19:46 | 1       |
| m-Xylene & p-Xylene         | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 19:46 | 1       |
| Naphthalene                 | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 19:46 | 1       |
| n-Butylbenzene              | ND     | *+        | 1.00 | 0.760  | ug/L |   |          | 10/23/25 19:46 | 1       |
| n-Heptane                   | ND     |           | 1.00 | 0.210  | ug/L |   |          | 10/23/25 19:46 | 1       |
| N-Propylbenzene             | ND     |           | 1.00 | 0.690  | ug/L |   |          | 10/23/25 19:46 | 1       |

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# Client Sample Results

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

Job ID: 752-38160-1

**Client Sample ID: Trip Blank**

**Lab Sample ID: 752-38160-11**

**Date Collected: 10/15/25 00:00**

**Matrix: Water**

**Date Received: 10/16/25 09:00**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| o-Xylene                              | ND     |           | 5.00 | 3.00  | ug/L |   |          | 10/23/25 19:46 | 1       |
| sec-Butylbenzene                      | ND     |           | 1.00 | 0.700 | ug/L |   |          | 10/23/25 19:46 | 1       |
| Styrene                               | ND     |           | 1.00 | 1.00  | ug/L |   |          | 10/23/25 19:46 | 1       |
| tert-Butylbenzene                     | ND     |           | 1.00 | 0.630 | ug/L |   |          | 10/23/25 19:46 | 1       |
| 1,1,1,2-Tetrachloroethane             | ND     |           | 1.00 | 0.380 | ug/L |   |          | 10/23/25 19:46 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 19:46 | 1       |
| Tetrachloroethene                     | ND     |           | 1.00 | 0.330 | ug/L |   |          | 10/23/25 19:46 | 1       |
| Toluene                               | ND     |           | 1.00 | 0.900 | ug/L |   |          | 10/23/25 19:46 | 1       |
| trans-1,4-Dichloro-2-butene           | ND     |           | 5.00 | 1.00  | ug/L |   |          | 10/23/25 19:46 | 1       |
| trans-1,2-Dichloroethene              | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 19:46 | 1       |
| trans-1,3-Dichloropropene             | ND     |           | 5.00 | 0.200 | ug/L |   |          | 10/23/25 19:46 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 1.00 | 0.900 | ug/L |   |          | 10/23/25 19:46 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 1.00 | 0.820 | ug/L |   |          | 10/23/25 19:46 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 1.00 | 0.180 | ug/L |   |          | 10/23/25 19:46 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 5.00 | 0.210 | ug/L |   |          | 10/23/25 19:46 | 1       |
| Trichloroethene                       | ND     |           | 1.00 | 0.150 | ug/L |   |          | 10/23/25 19:46 | 1       |
| Trichlorofluoromethane                | ND     |           | 1.00 | 0.250 | ug/L |   |          | 10/23/25 19:46 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 5.00 | 0.840 | ug/L |   |          | 10/23/25 19:46 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 19:46 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 1.00 | 0.820 | ug/L |   |          | 10/23/25 19:46 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 1.00 | 0.560 | ug/L |   |          | 10/23/25 19:46 | 1       |
| Vinyl acetate                         | ND     |           | 25.0 | 0.930 | ug/L |   |          | 10/23/25 19:46 | 1       |
| Vinyl chloride                        | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 19:46 | 1       |
| Xylenes, Total                        | ND     |           | 10.0 | 6.00  | ug/L |   |          | 10/23/25 19:46 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene         | 101       |           | 56 - 136 |          | 10/23/25 19:46 | 1       |
| Dibromofluoromethane         | 109       |           | 79 - 130 |          | 10/23/25 19:46 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 109       |           | 59 - 146 |          | 10/23/25 19:46 | 1       |
| Toluene-d8 (Surr)            | 101       |           | 64 - 132 |          | 10/23/25 19:46 | 1       |

# Surrogate Summary

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

Job ID: 752-38160-1

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

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID       | Client Sample ID   | Percent Surrogate Recovery (Acceptance Limits) |                  |                 |                 |
|---------------------|--------------------|--|------------------|-----------------|-----------------|
|                     |                    | BFB<br>(56-136)                                | DBFM<br>(79-130) | DCA<br>(59-146) | TOL<br>(64-132) |
| 752-38160-1         | MW-1               | 101  | 107              | 107             | 101             |
| 752-38160-2         | MW-2               | 103  | 107              | 107             | 101             |
| 752-38160-3         | MW-3               | 100  | 105              | 106             | 105             |
| 752-38160-4         | MW-4               | 103  | 106              | 107             | 102             |
| 752-38160-5         | MW-5               | 98   | 109              | 110             | 103             |
| 752-38160-6         | MW-6               | 101  | 108              | 112             | 101             |
| 752-38160-7         | MW-7               | 96   | 104              | 107             | 102             |
| 752-38160-8         | MW-8               | 97   | 105              | 109             | 104             |
| 752-38160-9         | MW-9               | 99   | 108              | 104             | 102             |
| 752-38160-10        | 101525-DUP1        | 99   | 105              | 108             | 101             |
| 752-38160-11        | Trip Blank         | 101  | 109              | 109             | 101             |
| LCS 400-727836/1002 | Lab Control Sample | 91   | 105              | 101             | 102             |
| MB 400-727836/5     | Method Blank       | 100  | 108              | 109             | 101             |

### Surrogate Legend

BFB = 4-Bromofluorobenzene  
DBFM = Dibromofluoromethane  
DCA = 1,2-Dichloroethane-d4 (Surr)  
TOL = Toluene-d8 (Surr)

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

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID       | Client Sample ID       | Percent Surrogate Recovery (Acceptance Limits) |                 |                 |                 |                 |                  |
|---------------------|------------------------|--|-----------------|-----------------|-----------------|-----------------|------------------|
|                     |                        | TBP<br>(10-150)                                | FBP<br>(25-139) | 2FP<br>(10-150) | NBZ<br>(22-150) | PHL<br>(10-150) | TPHL<br>(28-150) |
| 752-38160-1         | MW-1                   | 119  | 88              | 66              | 117             | 55              | 67               |
| 752-38160-2         | MW-2                   | 116  | 88              | 98              | 118             | 105             | 69               |
| 752-38160-3         | MW-3                   | 116  | 87              | 92              | 122             | 90              | 60               |
| 752-38160-4         | MW-4                   | 110  | 82              | 72              | 112             | 66              | 60               |
| 752-38160-5         | MW-5                   | 122  | 89              | 81              | 118             | 74              | 62               |
| 752-38160-6         | MW-6                   | 120  | 86              | 77              | 114             | 70              | 64               |
| 752-38160-7         | MW-7                   | 117  | 86              | 84              | 119             | 75              | 63               |
| 752-38160-8         | MW-8                   | 105  | 82              | 74              | 106             | 70              | 58               |
| 752-38160-9         | MW-9                   | 109  | 88              | 75              | 114             | 71              | 69               |
| 752-38160-10        | 101525-DUP1            | 117  | 88              | 79              | 119             | 69              | 55               |
| LCS 400-727342/2-A  | Lab Control Sample     | 112  | 88              | 88              | 128             | 90              | 86               |
| LCS 400-727414/2-A  | Lab Control Sample     | 116  | 85              | 68              | 123             | 66              | 89               |
| LCSD 400-727414/3-A | Lab Control Sample Dup | 114  | 83              | 76              | 121             | 80              | 87               |
| MB 400-727342/1-A   | Method Blank           | 124  | 105             | 87              | 146             | 79              | 94               |
| MB 400-727414/1-A   | Method Blank           | 120  | 93              | 73              | 127             | 70              | 100              |

### Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)  
FBP = 2-Fluorobiphenyl (Surr)  
2FP = 2-Fluorophenol (Surr)  
NBZ = Nitrobenzene-d5 (Surr)  
PHL = Phenol-d5 (Surr)  
TPHL = Terphenyl-d14 (Surr)

# Isotope Dilution Summary

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

Job ID: 752-38160-1

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

**Matrix: Water**

**Prep Type: Total/NA**

## Percent Isotope Dilution Recovery (Acceptance Limits)

| Lab Sample ID       | Client Sample ID       | DXE<br>(10-140) |
|---------------------|------------------------|-----------------|
| 752-38160-1         | MW-1                   | 23              |
| 752-38160-2         | MW-2                   | 24              |
| 752-38160-3         | MW-3                   | 26              |
| 752-38160-4         | MW-4                   | 24              |
| 752-38160-5         | MW-5                   | 24              |
| 752-38160-6         | MW-6                   | 26              |
| 752-38160-7         | MW-7                   | 24              |
| 752-38160-8         | MW-8                   | 24              |
| 752-38160-9         | MW-9                   | 26              |
| 752-38160-10        | 101525-DUP1            | 28              |
| LCS 400-727264/2-A  | Lab Control Sample     | 25              |
| LCSD 400-727264/3-A | Lab Control Sample Dup | 27              |
| MB 400-727264/1-A   | Method Blank           | 15              |

### Surrogate Legend

DXE = 1,4-Dioxane-d8

# QC Sample Results

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

Job ID: 752-38160-1

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

**Lab Sample ID: MB 400-727836/5**  
**Matrix: Water**  
**Analysis Batch: 727836**

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

| Analyte                     | MB     | MB        | RL   | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|--------|------|---|----------|----------------|---------|
|                             | Result | Qualifier |      |        |      |   |          |                |         |
| Acetone                     | ND     |           | 25.0 | 10.0   | ug/L |   |          | 10/23/25 12:12 | 1       |
| Benzene                     | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 12:12 | 1       |
| Bromobenzene                | ND     |           | 1.00 | 0.540  | ug/L |   |          | 10/23/25 12:12 | 1       |
| Bromoform                   | ND     |           | 5.00 | 0.250  | ug/L |   |          | 10/23/25 12:12 | 1       |
| Bromomethane                | ND     |           | 1.00 | 0.980  | ug/L |   |          | 10/23/25 12:12 | 1       |
| 2-Butanone (MEK)            | ND     |           | 25.0 | 2.60   | ug/L |   |          | 10/23/25 12:12 | 1       |
| Carbon disulfide            | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 12:12 | 1       |
| Carbon tetrachloride        | ND     |           | 1.00 | 0.190  | ug/L |   |          | 10/23/25 12:12 | 1       |
| Chlorobenzene               | ND     |           | 1.00 | 0.420  | ug/L |   |          | 10/23/25 12:12 | 1       |
| Chlorobromomethane          | ND     |           | 1.00 | 0.520  | ug/L |   |          | 10/23/25 12:12 | 1       |
| Chlorodibromomethane        | ND     |           | 1.00 | 0.240  | ug/L |   |          | 10/23/25 12:12 | 1       |
| Chloroethane                | ND     |           | 1.00 | 0.760  | ug/L |   |          | 10/23/25 12:12 | 1       |
| Chloroform                  | ND     |           | 1.00 | 0.900  | ug/L |   |          | 10/23/25 12:12 | 1       |
| Chloromethane               | ND     |           | 1.00 | 0.400  | ug/L |   |          | 10/23/25 12:12 | 1       |
| 2-Chlorotoluene             | ND     |           | 1.00 | 0.570  | ug/L |   |          | 10/23/25 12:12 | 1       |
| 4-Chlorotoluene             | ND     |           | 1.00 | 0.560  | ug/L |   |          | 10/23/25 12:12 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 1.00 | 0.200  | ug/L |   |          | 10/23/25 12:12 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 5.00 | 0.500  | ug/L |   |          | 10/23/25 12:12 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND     |           | 5.00 | 1.50   | ug/L |   |          | 10/23/25 12:12 | 1       |
| Dibromomethane              | ND     |           | 5.00 | 0.220  | ug/L |   |          | 10/23/25 12:12 | 1       |
| 1,2-Dichlorobenzene         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 12:12 | 1       |
| 1,3-Dichlorobenzene         | ND     |           | 1.00 | 0.540  | ug/L |   |          | 10/23/25 12:12 | 1       |
| 1,4-Dichlorobenzene         | ND     |           | 1.00 | 0.640  | ug/L |   |          | 10/23/25 12:12 | 1       |
| Dichlorobromomethane        | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 12:12 | 1       |
| 1,1-Dichloroethane          | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 12:12 | 1       |
| 1,2-Dichloroethane          | ND     |           | 1.00 | 0.550  | ug/L |   |          | 10/23/25 12:12 | 1       |
| 1,1-Dichloroethene          | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 12:12 | 1       |
| 1,2-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 12:12 | 1       |
| 1,3-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 12:12 | 1       |
| 2,2-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 12:12 | 1       |
| 1,1-Dichloropropene         | ND     |           | 1.00 | 0.0900 | ug/L |   |          | 10/23/25 12:12 | 1       |
| Ethyl acetate               | ND     |           | 10.0 | 6.14   | ug/L |   |          | 10/23/25 12:12 | 1       |
| Ethylbenzene                | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 12:12 | 1       |
| Ethylene Dibromide          | ND     |           | 1.00 | 0.230  | ug/L |   |          | 10/23/25 12:12 | 1       |
| Hexachlorobutadiene         | ND     |           | 5.00 | 0.900  | ug/L |   |          | 10/23/25 12:12 | 1       |
| Hexane                      | ND     |           | 1.00 | 0.960  | ug/L |   |          | 10/23/25 12:12 | 1       |
| 2-Hexanone                  | ND     |           | 25.0 | 4.26   | ug/L |   |          | 10/23/25 12:12 | 1       |
| Iodomethane                 | ND     |           | 1.00 | 0.900  | ug/L |   |          | 10/23/25 12:12 | 1       |
| Isopropylbenzene            | ND     |           | 1.00 | 0.530  | ug/L |   |          | 10/23/25 12:12 | 1       |
| Isopropyl ether             | ND     |           | 1.00 | 0.740  | ug/L |   |          | 10/23/25 12:12 | 1       |
| 4-Isopropyltoluene          | ND     |           | 1.00 | 0.710  | ug/L |   |          | 10/23/25 12:12 | 1       |
| Methylene Chloride          | ND     |           | 5.00 | 4.00   | ug/L |   |          | 10/23/25 12:12 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     |           | 25.0 | 1.80   | ug/L |   |          | 10/23/25 12:12 | 1       |
| Methyl tert-butyl ether     | ND     |           | 1.00 | 0.220  | ug/L |   |          | 10/23/25 12:12 | 1       |
| m-Xylene & p-Xylene         | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 12:12 | 1       |
| Naphthalene                 | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 12:12 | 1       |
| n-Butylbenzene              | ND     |           | 1.00 | 0.760  | ug/L |   |          | 10/23/25 12:12 | 1       |
| n-Heptane                   | ND     |           | 1.00 | 0.210  | ug/L |   |          | 10/23/25 12:12 | 1       |

# QC Sample Results

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

Job ID: 752-38160-1

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

**Lab Sample ID: MB 400-727836/5**  
**Matrix: Water**  
**Analysis Batch: 727836**

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

| Analyte                               | MB Result | MB Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|-----------|--------------|------|-------|------|---|----------|----------------|---------|
| N-Propylbenzene                       | ND        |              | 1.00 | 0.690 | ug/L |   |          | 10/23/25 12:12 | 1       |
| o-Xylene                              | ND        |              | 5.00 | 3.00  | ug/L |   |          | 10/23/25 12:12 | 1       |
| sec-Butylbenzene                      | ND        |              | 1.00 | 0.700 | ug/L |   |          | 10/23/25 12:12 | 1       |
| Styrene                               | ND        |              | 1.00 | 1.00  | ug/L |   |          | 10/23/25 12:12 | 1       |
| tert-Butylbenzene                     | ND        |              | 1.00 | 0.630 | ug/L |   |          | 10/23/25 12:12 | 1       |
| 1,1,1,2-Tetrachloroethane             | ND        |              | 1.00 | 0.380 | ug/L |   |          | 10/23/25 12:12 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND        |              | 1.00 | 0.500 | ug/L |   |          | 10/23/25 12:12 | 1       |
| Tetrachloroethene                     | ND        |              | 1.00 | 0.330 | ug/L |   |          | 10/23/25 12:12 | 1       |
| Toluene                               | ND        |              | 1.00 | 0.900 | ug/L |   |          | 10/23/25 12:12 | 1       |
| trans-1,4-Dichloro-2-butene           | ND        |              | 5.00 | 1.00  | ug/L |   |          | 10/23/25 12:12 | 1       |
| trans-1,2-Dichloroethene              | ND        |              | 1.00 | 0.500 | ug/L |   |          | 10/23/25 12:12 | 1       |
| trans-1,3-Dichloropropene             | ND        |              | 5.00 | 0.200 | ug/L |   |          | 10/23/25 12:12 | 1       |
| 1,2,3-Trichlorobenzene                | ND        |              | 1.00 | 0.900 | ug/L |   |          | 10/23/25 12:12 | 1       |
| 1,2,4-Trichlorobenzene                | ND        |              | 1.00 | 0.820 | ug/L |   |          | 10/23/25 12:12 | 1       |
| 1,1,1-Trichloroethane                 | ND        |              | 1.00 | 0.180 | ug/L |   |          | 10/23/25 12:12 | 1       |
| 1,1,2-Trichloroethane                 | ND        |              | 5.00 | 0.210 | ug/L |   |          | 10/23/25 12:12 | 1       |
| Trichloroethene                       | ND        |              | 1.00 | 0.150 | ug/L |   |          | 10/23/25 12:12 | 1       |
| Trichlorofluoromethane                | ND        |              | 1.00 | 0.250 | ug/L |   |          | 10/23/25 12:12 | 1       |
| 1,2,3-Trichloropropane                | ND        |              | 5.00 | 0.840 | ug/L |   |          | 10/23/25 12:12 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND        |              | 1.00 | 0.500 | ug/L |   |          | 10/23/25 12:12 | 1       |
| 1,2,4-Trimethylbenzene                | ND        |              | 1.00 | 0.820 | ug/L |   |          | 10/23/25 12:12 | 1       |
| 1,3,5-Trimethylbenzene                | ND        |              | 1.00 | 0.560 | ug/L |   |          | 10/23/25 12:12 | 1       |
| Vinyl acetate                         | ND        |              | 25.0 | 0.930 | ug/L |   |          | 10/23/25 12:12 | 1       |
| Vinyl chloride                        | ND        |              | 1.00 | 0.500 | ug/L |   |          | 10/23/25 12:12 | 1       |
| Xylenes, Total                        | ND        |              | 10.0 | 6.00  | ug/L |   |          | 10/23/25 12:12 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene         | 100          |              | 56 - 136 |          | 10/23/25 12:12 | 1       |
| Dibromofluoromethane         | 108          |              | 79 - 130 |          | 10/23/25 12:12 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 109          |              | 59 - 146 |          | 10/23/25 12:12 | 1       |
| Toluene-d8 (Surr)            | 101          |              | 64 - 132 |          | 10/23/25 12:12 | 1       |

**Lab Sample ID: LCS 400-727836/1002**  
**Matrix: Water**  
**Analysis Batch: 727836**

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

| Analyte              | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------------------|-------------|------------|---------------|------|---|------|-------------|
| Acetone              | 200         | 366.6      | *+            | ug/L |   | 183  | 43 - 150    |
| Benzene              | 50.0        | 54.69      |               | ug/L |   | 109  | 70 - 130    |
| Bromobenzene         | 50.0        | 51.26      |               | ug/L |   | 103  | 70 - 132    |
| Bromoform            | 50.0        | 46.26      |               | ug/L |   | 93   | 57 - 140    |
| Bromomethane         | 50.0        | 110.8      | *+            | ug/L |   | 222  | 10 - 150    |
| 2-Butanone (MEK)     | 200         | 225.3      |               | ug/L |   | 113  | 61 - 145    |
| Carbon disulfide     | 50.0        | 59.73      |               | ug/L |   | 119  | 61 - 137    |
| Carbon tetrachloride | 50.0        | 50.42      |               | ug/L |   | 101  | 61 - 137    |
| Chlorobenzene        | 50.0        | 55.67      |               | ug/L |   | 111  | 70 - 130    |
| Chlorobromomethane   | 50.0        | 56.11      |               | ug/L |   | 112  | 70 - 130    |
| Chlorodibromomethane | 50.0        | 53.95      |               | ug/L |   | 108  | 67 - 135    |

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# QC Sample Results

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

Job ID: 752-38160-1

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

**Lab Sample ID: LCS 400-727836/1002**  
**Matrix: Water**  
**Analysis Batch: 727836**

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

| Analyte                     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------------------------|-------------|------------|---------------|------|---|------|-------------|
| Chloroethane                | 50.0        | 69.64      |               | ug/L |   | 139  | 55 - 141    |
| Chloroform                  | 50.0        | 55.13      |               | ug/L |   | 110  | 69 - 130    |
| Chloromethane               | 50.0        | 57.29      |               | ug/L |   | 115  | 58 - 137    |
| 2-Chlorotoluene             | 50.0        | 56.02      |               | ug/L |   | 112  | 70 - 130    |
| 4-Chlorotoluene             | 50.0        | 56.75      |               | ug/L |   | 114  | 70 - 130    |
| cis-1,2-Dichloroethene      | 50.0        | 52.78      |               | ug/L |   | 106  | 68 - 130    |
| cis-1,3-Dichloropropene     | 50.0        | 52.25      |               | ug/L |   | 104  | 69 - 132    |
| 1,2-Dibromo-3-Chloropropane | 50.0        | 48.49      |               | ug/L |   | 97   | 54 - 135    |
| Dibromomethane              | 50.0        | 56.75      |               | ug/L |   | 114  | 70 - 130    |
| 1,2-Dichlorobenzene         | 50.0        | 57.31      |               | ug/L |   | 115  | 67 - 130    |
| 1,3-Dichlorobenzene         | 50.0        | 56.62      |               | ug/L |   | 113  | 70 - 130    |
| 1,4-Dichlorobenzene         | 50.0        | 56.56      |               | ug/L |   | 113  | 70 - 130    |
| Dichlorobromomethane        | 50.0        | 54.43      |               | ug/L |   | 109  | 67 - 133    |
| 1,1-Dichloroethane          | 50.0        | 51.46      |               | ug/L |   | 103  | 70 - 130    |
| 1,2-Dichloroethane          | 50.0        | 53.84      |               | ug/L |   | 108  | 69 - 130    |
| 1,1-Dichloroethene          | 50.0        | 57.37      |               | ug/L |   | 115  | 63 - 134    |
| 1,2-Dichloropropane         | 50.0        | 53.70      |               | ug/L |   | 107  | 70 - 130    |
| 1,3-Dichloropropane         | 50.0        | 54.58      |               | ug/L |   | 109  | 70 - 130    |
| 2,2-Dichloropropane         | 50.0        | 48.57      |               | ug/L |   | 97   | 52 - 135    |
| 1,1-Dichloropropene         | 50.0        | 52.96      |               | ug/L |   | 106  | 70 - 130    |
| Ethyl acetate               | 100         | 96.48      |               | ug/L |   | 96   | 34 - 150    |
| Ethylbenzene                | 50.0        | 58.14      |               | ug/L |   | 116  | 70 - 130    |
| Ethylene Dibromide          | 50.0        | 54.73      |               | ug/L |   | 109  | 70 - 130    |
| Hexachlorobutadiene         | 50.0        | 57.28      |               | ug/L |   | 115  | 53 - 140    |
| Hexane                      | 50.0        | 52.92      |               | ug/L |   | 106  | 69 - 130    |
| 2-Hexanone                  | 200         | 195.6      |               | ug/L |   | 98   | 65 - 137    |
| Iodomethane                 | 50.0        | 50.09      |               | ug/L |   | 100  | 27 - 150    |
| Isopropylbenzene            | 50.0        | 57.88      |               | ug/L |   | 116  | 70 - 130    |
| Isopropyl ether             | 50.0        | 48.54      |               | ug/L |   | 97   | 64 - 132    |
| 4-Isopropyltoluene          | 50.0        | 59.31      |               | ug/L |   | 119  | 65 - 130    |
| Methylene Chloride          | 50.0        | 55.43      |               | ug/L |   | 111  | 66 - 135    |
| 4-Methyl-2-pentanone (MIBK) | 200         | 206.3      |               | ug/L |   | 103  | 69 - 138    |
| Methyl tert-butyl ether     | 50.0        | 49.72      |               | ug/L |   | 99   | 66 - 130    |
| m-Xylene & p-Xylene         | 50.0        | 54.72      |               | ug/L |   | 109  | 70 - 130    |
| Naphthalene                 | 50.0        | 47.44      |               | ug/L |   | 95   | 47 - 149    |
| n-Butylbenzene              | 50.0        | 66.91      | *+            | ug/L |   | 134  | 67 - 130    |
| n-Heptane                   | 50.0        | 48.70      |               | ug/L |   | 97   | 70 - 130    |
| N-Propylbenzene             | 50.0        | 57.04      |               | ug/L |   | 114  | 70 - 130    |
| o-Xylene                    | 50.0        | 57.12      |               | ug/L |   | 114  | 70 - 130    |
| sec-Butylbenzene            | 50.0        | 60.02      |               | ug/L |   | 120  | 66 - 130    |
| Styrene                     | 50.0        | 57.29      |               | ug/L |   | 115  | 70 - 130    |
| tert-Butylbenzene           | 50.0        | 56.26      |               | ug/L |   | 113  | 64 - 139    |
| 1,1,1,2-Tetrachloroethane   | 50.0        | 54.20      |               | ug/L |   | 108  | 67 - 131    |
| 1,1,2,2-Tetrachloroethane   | 50.0        | 53.31      |               | ug/L |   | 107  | 70 - 131    |
| Tetrachloroethene           | 50.0        | 50.89      |               | ug/L |   | 102  | 65 - 130    |
| Toluene                     | 50.0        | 54.58      |               | ug/L |   | 109  | 70 - 130    |
| trans-1,4-Dichloro-2-butene | 50.0        | 50.64      |               | ug/L |   | 101  | 57 - 140    |
| trans-1,2-Dichloroethene    | 50.0        | 51.97      |               | ug/L |   | 104  | 70 - 130    |
| trans-1,3-Dichloropropene   | 50.0        | 53.40      |               | ug/L |   | 107  | 63 - 130    |

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# QC Sample Results

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

Job ID: 752-38160-1

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

**Lab Sample ID: LCS 400-727836/1002**  
**Matrix: Water**  
**Analysis Batch: 727836**

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

| Analyte                               | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------------------------|-------------|------------|---------------|------|---|------|-------------|
| 1,2,3-Trichlorobenzene                | 50.0        | 49.87      |               | ug/L |   | 100  | 60 - 138    |
| 1,2,4-Trichlorobenzene                | 50.0        | 53.67      |               | ug/L |   | 107  | 60 - 140    |
| 1,1,1-Trichloroethane                 | 50.0        | 51.51      |               | ug/L |   | 103  | 68 - 130    |
| 1,1,2-Trichloroethane                 | 50.0        | 56.93      |               | ug/L |   | 114  | 70 - 130    |
| Trichloroethene                       | 50.0        | 51.06      |               | ug/L |   | 102  | 70 - 130    |
| Trichlorofluoromethane                | 50.0        | 61.29      |               | ug/L |   | 123  | 65 - 138    |
| 1,2,3-Trichloropropane                | 50.0        | 52.15      |               | ug/L |   | 104  | 70 - 130    |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 50.0        | 60.46      |               | ug/L |   | 121  | 60 - 139    |
| 1,2,4-Trimethylbenzene                | 50.0        | 57.04      |               | ug/L |   | 114  | 70 - 130    |
| 1,3,5-Trimethylbenzene                | 50.0        | 55.54      |               | ug/L |   | 111  | 69 - 130    |
| Vinyl acetate                         | 100         | 113.9      |               | ug/L |   | 114  | 26 - 150    |
| Vinyl chloride                        | 50.0        | 49.57      |               | ug/L |   | 99   | 59 - 136    |
| Xylenes, Total                        | 100         | 111.8      |               | ug/L |   | 112  | 70 - 130    |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene         | 91            |               | 56 - 136 |
| Dibromofluoromethane         | 105           |               | 79 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 101           |               | 59 - 146 |
| Toluene-d8 (Surr)            | 102           |               | 64 - 132 |

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

**Lab Sample ID: MB 400-727342/1-A**  
**Matrix: Water**  
**Analysis Batch: 728273**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 727342**

| Analyte                    | MB Result | MB Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------------------|-----------|--------------|------|-------|------|---|----------------|----------------|---------|
| 1,1'-Biphenyl              | ND        |              | 10.0 | 0.420 | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| 2,4,5-Trichlorophenol      | ND        |              | 10.0 | 0.540 | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| 2,4,6-Trichlorophenol      | ND        |              | 10.0 | 1.09  | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| 2,4-Dichlorophenol         | ND        |              | 10.0 | 0.570 | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| 2,4-Dimethylphenol         | ND        |              | 10.0 | 0.240 | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| 2,4-Dinitrophenol          | ND        |              | 30.0 | 4.68  | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| 2,4-Dinitrotoluene         | ND        |              | 10.0 | 0.650 | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| 2,6-Dinitrotoluene         | ND        |              | 10.0 | 0.290 | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| 2-Chloronaphthalene        | ND        |              | 10.0 | 0.380 | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| 2-Chlorophenol             | ND        |              | 10.0 | 0.840 | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| 2-Methylnaphthalene        | ND        |              | 10.0 | 0.810 | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| 2-Methylphenol             | ND        |              | 10.0 | 0.760 | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| 2-Nitroaniline             | ND        |              | 10.0 | 1.37  | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| 2-Nitrophenol              | ND        |              | 10.0 | 1.17  | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| 3 & 4 Methylphenol         | ND        |              | 20.0 | 4.60  | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| 3,3'-Dichlorobenzidine     | ND        |              | 11.0 | 0.410 | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| 3-Nitroaniline             | ND        |              | 10.0 | 0.950 | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| 4,6-Dinitro-2-methylphenol | ND        |              | 10.0 | 1.97  | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| 4-Bromophenyl phenyl ether | ND        |              | 10.0 | 0.130 | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| 4-Chloro-3-methylphenol    | ND        |              | 10.0 | 0.730 | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| 4-Chloroaniline            | ND        |              | 10.0 | 0.580 | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |

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# QC Sample Results

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

Job ID: 752-38160-1

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

**Lab Sample ID: MB 400-727342/1-A**  
**Matrix: Water**  
**Analysis Batch: 728273**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 727342**

| Analyte                       | MB Result | MB Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|-----------|--------------|------|-------|------|---|----------------|----------------|---------|
| 4-Chlorophenyl phenyl ether   | ND        |              | 10.0 | 0.240 | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| 4-Nitroaniline                | ND        |              | 10.0 | 3.50  | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| 4-Nitrophenol                 | ND        |              | 10.0 | 2.74  | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| Acenaphthene                  | ND        |              | 10.0 | 0.630 | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| Acenaphthylene                | ND        |              | 10.0 | 0.760 | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| Acetophenone                  | ND        |              | 10.0 | 3.20  | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| Anthracene                    | ND        |              | 10.0 | 0.910 | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| Atrazine                      | ND        |              | 10.0 | 1.13  | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| Benzaldehyde                  | ND        |              | 10.0 | 0.670 | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| Benzo[a]anthracene            | ND        |              | 10.0 | 1.00  | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| Benzo[a]pyrene                | ND        |              | 10.0 | 1.10  | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| Benzo[b]fluoranthene          | ND        |              | 10.0 | 1.20  | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| Benzo[g,h,i]perylene          | ND        |              | 10.0 | 1.50  | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| Benzo[k]fluoranthene          | ND        |              | 10.0 | 1.50  | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| bis (2-chloroisopropyl) ether | ND        |              | 10.0 | 0.930 | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| Bis(2-chloroethoxy)methane    | ND        |              | 10.0 | 0.340 | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| Bis(2-chloroethyl)ether       | ND        |              | 10.0 | 0.730 | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND        |              | 10.0 | 4.00  | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| Butyl benzyl phthalate        | ND        |              | 10.0 | 4.00  | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| Caprolactam                   | ND        |              | 10.0 | 2.40  | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| Carbazole                     | ND        |              | 10.0 | 0.320 | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| Chrysene                      | ND        |              | 10.0 | 1.20  | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| Dibenz(a,h)anthracene         | ND        |              | 10.0 | 1.30  | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| Dibenzofuran                  | ND        |              | 10.0 | 0.640 | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| Diethyl phthalate             | ND        |              | 10.0 | 4.00  | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| Dimethyl phthalate            | ND        |              | 10.0 | 4.00  | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| Di-n-butyl phthalate          | ND        |              | 10.0 | 8.19  | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| Di-n-octyl phthalate          | ND        |              | 10.0 | 4.00  | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| Fluoranthene                  | ND        |              | 10.0 | 0.630 | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| Fluorene                      | ND        |              | 10.0 | 0.670 | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| Hexachlorobenzene             | ND        |              | 10.0 | 0.250 | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| Hexachlorobutadiene           | ND        |              | 10.0 | 0.550 | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| Hexachlorocyclopentadiene     | ND        |              | 20.0 | 0.320 | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| Hexachloroethane              | ND        |              | 10.0 | 0.530 | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| Indeno[1,2,3-cd]pyrene        | ND        |              | 10.0 | 1.10  | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| Isophorone                    | ND        |              | 10.0 | 0.800 | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| Naphthalene                   | ND        |              | 10.0 | 0.750 | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| Nitrobenzene                  | ND        |              | 10.0 | 0.600 | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| N-Nitrosodi-n-propylamine     | ND        |              | 10.0 | 0.330 | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| N-Nitrosodiphenylamine        | ND        |              | 10.0 | 0.190 | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| Pentachlorophenol             | ND        |              | 10.0 | 2.80  | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| Phenanthrene                  | ND        |              | 10.0 | 0.740 | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| Phenol                        | 9.367     | J            | 10.0 | 0.680 | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| Pyrene                        | ND        |              | 10.0 | 0.630 | ug/L |   | 10/19/25 13:41 | 10/27/25 12:21 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 124          |              | 10 - 150 | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| 2-Fluorobiphenyl (Surr)     | 105          |              | 25 - 139 | 10/19/25 13:41 | 10/27/25 12:21 | 1       |

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# QC Sample Results

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

Job ID: 752-38160-1

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

**Lab Sample ID: MB 400-727342/1-A**  
**Matrix: Water**  
**Analysis Batch: 728273**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 727342**

| Surrogate              | MB MB     |           | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
|                        | %Recovery | Qualifier |          |                |                |         |
| 2-Fluorophenol (Surr)  | 87        |           | 10 - 150 | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| Nitrobenzene-d5 (Surr) | 146       |           | 22 - 150 | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| Phenol-d5 (Surr)       | 79        |           | 10 - 150 | 10/19/25 13:41 | 10/27/25 12:21 | 1       |
| Terphenyl-d14 (Surr)   | 94        |           | 28 - 150 | 10/19/25 13:41 | 10/27/25 12:21 | 1       |

**Lab Sample ID: LCS 400-727342/2-A**  
**Matrix: Water**  
**Analysis Batch: 728273**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 727342**

| Analyte                       | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-------------------------------|-------------|------------|---------------|------|---|------|-------------|
|                               |             |            |               |      |   |      |             |
| 2,4,5-Trichlorophenol         | 33.3        | 31.32      |               | ug/L |   | 94   | 27 - 136    |
| 2,4,6-Trichlorophenol         | 33.3        | 28.69      |               | ug/L |   | 86   | 21 - 132    |
| 2,4-Dichlorophenol            | 33.3        | 33.20      |               | ug/L |   | 100  | 30 - 125    |
| 2,4-Dimethylphenol            | 33.3        | 30.74      |               | ug/L |   | 92   | 10 - 142    |
| 2,4-Dinitrophenol             | 66.7        | 109.8      | *+            | ug/L |   | 165  | 10 - 150    |
| 2,4-Dinitrotoluene            | 33.3        | 47.66      | *+            | ug/L |   | 143  | 30 - 129    |
| 2,6-Dinitrotoluene            | 33.3        | 51.84      | *+            | ug/L |   | 156  | 34 - 132    |
| 2-Chloronaphthalene           | 33.3        | 25.94      |               | ug/L |   | 78   | 10 - 150    |
| 2-Chlorophenol                | 33.3        | 29.81      |               | ug/L |   | 89   | 28 - 127    |
| 2-Methylnaphthalene           | 33.3        | 26.82      |               | ug/L |   | 80   | 24 - 150    |
| 2-Methylphenol                | 33.3        | 33.30      |               | ug/L |   | 100  | 11 - 121    |
| 2-Nitroaniline                | 33.3        | 53.11      | *+            | ug/L |   | 159  | 31 - 141    |
| 2-Nitrophenol                 | 33.3        | 68.59      | E *+          | ug/L |   | 206  | 31 - 142    |
| 3 & 4 Methylphenol            | 33.3        | 32.20      |               | ug/L |   | 97   | 10 - 150    |
| 3,3'-Dichlorobenzidine        | 66.7        | 38.75      |               | ug/L |   | 58   | 10 - 150    |
| 3-Nitroaniline                | 33.3        | 45.53      | *+            | ug/L |   | 137  | 33 - 136    |
| 4,6-Dinitro-2-methylphenol    | 66.7        | 137.0      | E *+          | ug/L |   | 205  | 10 - 150    |
| 4-Bromophenyl phenyl ether    | 33.3        | 27.97      |               | ug/L |   | 84   | 24 - 120    |
| 4-Chloro-3-methylphenol       | 33.3        | 35.27      |               | ug/L |   | 106  | 10 - 137    |
| 4-Chloroaniline               | 33.3        | 29.68      |               | ug/L |   | 89   | 10 - 150    |
| 4-Chlorophenyl phenyl ether   | 33.3        | 31.10      |               | ug/L |   | 93   | 31 - 110    |
| 4-Nitroaniline                | 33.3        | 52.49      | *+            | ug/L |   | 157  | 37 - 139    |
| 4-Nitrophenol                 | 66.7        | 113.6      | *+            | ug/L |   | 170  | 10 - 150    |
| Acenaphthene                  | 33.3        | 26.68      |               | ug/L |   | 80   | 29 - 150    |
| Acenaphthylene                | 33.3        | 28.00      |               | ug/L |   | 84   | 30 - 150    |
| Acetophenone                  | 33.3        | 30.81      |               | ug/L |   | 92   | 27 - 119    |
| Anthracene                    | 33.3        | 30.86      |               | ug/L |   | 93   | 31 - 150    |
| Atrazine                      | 33.3        | 27.89      |               | ug/L |   | 84   | 10 - 150    |
| Benzaldehyde                  | 33.3        | 24.63      |               | ug/L |   | 74   | 10 - 150    |
| Benzo[a]anthracene            | 33.3        | 28.64      |               | ug/L |   | 86   | 36 - 150    |
| Benzo[a]pyrene                | 33.3        | 29.02      |               | ug/L |   | 87   | 29 - 150    |
| Benzo[b]fluoranthene          | 33.3        | 31.39      |               | ug/L |   | 94   | 32 - 150    |
| Benzo[g,h,i]perylene          | 33.3        | 27.66      |               | ug/L |   | 83   | 28 - 150    |
| Benzo[k]fluoranthene          | 33.3        | 27.88      |               | ug/L |   | 84   | 30 - 150    |
| bis (2-chloroisopropyl) ether | 33.3        | 28.76      |               | ug/L |   | 86   | 32 - 115    |
| Bis(2-chloroethoxy)methane    | 33.3        | 35.50      |               | ug/L |   | 107  | 34 - 120    |
| Bis(2-chloroethyl)ether       | 33.3        | 28.17      |               | ug/L |   | 85   | 32 - 114    |

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# QC Sample Results

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

Job ID: 752-38160-1

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

**Lab Sample ID: LCS 400-727342/2-A**  
**Matrix: Water**  
**Analysis Batch: 728273**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 727342**

| Analyte                     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------------------------|-------------|------------|---------------|------|---|------|-------------|
|                             |             |            |               |      |   |      |             |
| Bis(2-ethylhexyl) phthalate | 33.3        | 31.98      |               | ug/L |   | 96   | 24 - 133    |
| Butyl benzyl phthalate      | 33.3        | 37.58      |               | ug/L |   | 113  | 24 - 140    |
| Caprolactam                 | 33.3        | 38.24      |               | ug/L |   | 115  | 10 - 150    |
| Carbazole                   | 33.3        | 31.00      |               | ug/L |   | 93   | 28 - 123    |
| Chrysene                    | 33.3        | 28.72      |               | ug/L |   | 86   | 34 - 150    |
| Dibenz(a,h)anthracene       | 33.3        | 26.94      |               | ug/L |   | 81   | 29 - 150    |
| Dibenzofuran                | 33.3        | 29.38      |               | ug/L |   | 88   | 35 - 110    |
| Diethyl phthalate           | 33.3        | 27.59      |               | ug/L |   | 83   | 31 - 118    |
| Dimethyl phthalate          | 33.3        | 21.96      |               | ug/L |   | 66   | 24 - 125    |
| Di-n-butyl phthalate        | 33.3        | 33.00      |               | ug/L |   | 99   | 30 - 127    |
| Di-n-octyl phthalate        | 33.3        | 34.07      |               | ug/L |   | 102  | 28 - 142    |
| Fluoranthene                | 33.3        | 31.76      |               | ug/L |   | 95   | 30 - 150    |
| Fluorene                    | 33.3        | 28.06      |               | ug/L |   | 84   | 30 - 150    |
| Hexachlorobenzene           | 33.3        | 30.39      |               | ug/L |   | 91   | 29 - 113    |
| Hexachlorobutadiene         | 33.3        | 19.63      |               | ug/L |   | 59   | 10 - 117    |
| Hexachlorocyclopentadiene   | 33.3        | 18.04      | J             | ug/L |   | 54   | 10 - 150    |
| Hexachloroethane            | 33.3        | 20.84      |               | ug/L |   | 63   | 10 - 112    |
| Indeno[1,2,3-cd]pyrene      | 33.3        | 24.46      |               | ug/L |   | 73   | 28 - 150    |
| Isophorone                  | 33.3        | 30.17      |               | ug/L |   | 90   | 29 - 125    |
| Naphthalene                 | 33.3        | 27.37      |               | ug/L |   | 82   | 27 - 150    |
| Nitrobenzene                | 33.3        | 40.37      |               | ug/L |   | 121  | 29 - 129    |
| N-Nitrosodi-n-propylamine   | 33.3        | 27.68      |               | ug/L |   | 83   | 50 - 134    |
| N-Nitrosodiphenylamine      | 33.1        | 31.05      |               | ug/L |   | 94   | 50 - 132    |
| Pentachlorophenol           | 66.7        | 82.12      |               | ug/L |   | 123  | 14 - 150    |
| Phenanthrene                | 33.3        | 29.76      |               | ug/L |   | 89   | 32 - 150    |
| Phenol                      | 33.3        | 49.71      |               | ug/L |   | 149  | 10 - 150    |
| Pyrene                      | 33.3        | 31.38      |               | ug/L |   | 94   | 30 - 150    |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 2,4,6-Tribromophenol (Surr) | 112           |               | 10 - 150 |
| 2-Fluorobiphenyl (Surr)     | 88            |               | 25 - 139 |
| 2-Fluorophenol (Surr)       | 88            |               | 10 - 150 |
| Nitrobenzene-d5 (Surr)      | 128           |               | 22 - 150 |
| Phenol-d5 (Surr)            | 90            |               | 10 - 150 |
| Terphenyl-d14 (Surr)        | 86            |               | 28 - 150 |

**Lab Sample ID: MB 400-727414/1-A**  
**Matrix: Water**  
**Analysis Batch: 727805**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 727414**

| Analyte               | MB Result | MB Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|--------------|------|-------|------|---|----------------|----------------|---------|
|                       |           |              |      |       |      |   |                |                |         |
| 1,1'-Biphenyl         | ND        |              | 10.0 | 0.420 | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| 2,4,5-Trichlorophenol | ND        |              | 10.0 | 0.540 | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| 2,4,6-Trichlorophenol | ND        |              | 10.0 | 1.09  | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| 2,4-Dichlorophenol    | ND        |              | 10.0 | 0.570 | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| 2,4-Dimethylphenol    | ND        |              | 10.0 | 0.240 | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| 2,4-Dinitrophenol     | ND        |              | 30.0 | 4.68  | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| 2,4-Dinitrotoluene    | ND        |              | 10.0 | 0.650 | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |

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# QC Sample Results

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

Job ID: 752-38160-1

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

**Lab Sample ID: MB 400-727414/1-A**  
**Matrix: Water**  
**Analysis Batch: 727805**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 727414**

| Analyte                       | MB Result | MB Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|-----------|--------------|------|-------|------|---|----------------|----------------|---------|
| 2,6-Dinitrotoluene            | ND        |              | 10.0 | 0.290 | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| 2-Chloronaphthalene           | ND        |              | 10.0 | 0.380 | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| 2-Chlorophenol                | ND        |              | 10.0 | 0.840 | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| 2-Methylnaphthalene           | ND        |              | 10.0 | 0.810 | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| 2-Methylphenol                | ND        |              | 10.0 | 0.760 | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| 2-Nitroaniline                | ND        |              | 10.0 | 1.37  | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| 2-Nitrophenol                 | ND        |              | 10.0 | 1.17  | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| 3 & 4 Methylphenol            | ND        |              | 20.0 | 4.60  | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| 3,3'-Dichlorobenzidine        | ND        |              | 11.0 | 0.410 | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| 3-Nitroaniline                | ND        |              | 10.0 | 0.950 | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND        |              | 10.0 | 1.97  | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| 4-Bromophenyl phenyl ether    | ND        |              | 10.0 | 0.130 | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| 4-Chloro-3-methylphenol       | ND        |              | 10.0 | 0.730 | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| 4-Chloroaniline               | ND        |              | 10.0 | 0.580 | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| 4-Chlorophenyl phenyl ether   | ND        |              | 10.0 | 0.240 | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| 4-Nitroaniline                | ND        |              | 10.0 | 3.50  | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| 4-Nitrophenol                 | ND        |              | 10.0 | 2.74  | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| Acenaphthene                  | ND        |              | 10.0 | 0.630 | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| Acenaphthylene                | ND        |              | 10.0 | 0.760 | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| Acetophenone                  | ND        |              | 10.0 | 3.20  | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| Anthracene                    | ND        |              | 10.0 | 0.910 | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| Atrazine                      | ND        |              | 10.0 | 1.13  | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| Benzaldehyde                  | ND        |              | 10.0 | 0.670 | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| Benzo[a]anthracene            | ND        |              | 10.0 | 1.00  | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| Benzo[a]pyrene                | ND        |              | 10.0 | 1.10  | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| Benzo[b]fluoranthene          | ND        |              | 10.0 | 1.20  | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| Benzo[g,h,i]perylene          | ND        |              | 10.0 | 1.50  | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| Benzo[k]fluoranthene          | ND        |              | 10.0 | 1.50  | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| bis (2-chloroisopropyl) ether | ND        |              | 10.0 | 0.930 | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| Bis(2-chloroethoxy)methane    | ND        |              | 10.0 | 0.340 | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| Bis(2-chloroethyl)ether       | ND        |              | 10.0 | 0.730 | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND        |              | 10.0 | 4.00  | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| Butyl benzyl phthalate        | ND        |              | 10.0 | 4.00  | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| Caprolactam                   | ND        |              | 10.0 | 2.40  | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| Carbazole                     | ND        |              | 10.0 | 0.320 | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| Chrysene                      | ND        |              | 10.0 | 1.20  | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| Dibenz(a,h)anthracene         | ND        |              | 10.0 | 1.30  | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| Dibenzofuran                  | ND        |              | 10.0 | 0.640 | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| Diethyl phthalate             | ND        |              | 10.0 | 4.00  | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| Dimethyl phthalate            | ND        |              | 10.0 | 4.00  | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| Di-n-butyl phthalate          | ND        |              | 10.0 | 8.19  | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| Di-n-octyl phthalate          | ND        |              | 10.0 | 4.00  | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| Fluoranthene                  | ND        |              | 10.0 | 0.630 | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| Fluorene                      | ND        |              | 10.0 | 0.670 | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| Hexachlorobenzene             | ND        |              | 10.0 | 0.250 | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| Hexachlorobutadiene           | ND        |              | 10.0 | 0.550 | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| Hexachlorocyclopentadiene     | ND        |              | 20.0 | 0.320 | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| Hexachloroethane              | ND        |              | 10.0 | 0.530 | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| Indeno[1,2,3-cd]pyrene        | ND        |              | 10.0 | 1.10  | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |

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# QC Sample Results

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

Job ID: 752-38160-1

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

**Lab Sample ID: MB 400-727414/1-A**  
**Matrix: Water**  
**Analysis Batch: 727805**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 727414**

| Analyte                   | MB Result | MB Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|-----------|--------------|------|-------|------|---|----------------|----------------|---------|
| Isophorone                | ND        |              | 10.0 | 0.800 | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| Naphthalene               | ND        |              | 10.0 | 0.750 | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| Nitrobenzene              | ND        |              | 10.0 | 0.600 | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| N-Nitrosodi-n-propylamine | ND        |              | 10.0 | 0.330 | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| N-Nitrosodiphenylamine    | ND        |              | 10.0 | 0.190 | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| Pentachlorophenol         | ND        |              | 10.0 | 2.80  | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| Phenanthrene              | ND        |              | 10.0 | 0.740 | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| Phenol                    | ND        |              | 10.0 | 0.680 | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| Pyrene                    | ND        |              | 10.0 | 0.630 | ug/L |   | 10/20/25 11:48 | 10/23/25 13:54 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 120          |              | 10 - 150 | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| 2-Fluorobiphenyl (Surr)     | 93           |              | 25 - 139 | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| 2-Fluorophenol (Surr)       | 73           |              | 10 - 150 | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| Nitrobenzene-d5 (Surr)      | 127          |              | 22 - 150 | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| Phenol-d5 (Surr)            | 70           |              | 10 - 150 | 10/20/25 11:48 | 10/23/25 13:54 | 1       |
| Terphenyl-d14 (Surr)        | 100          |              | 28 - 150 | 10/20/25 11:48 | 10/23/25 13:54 | 1       |

**Lab Sample ID: LCS 400-727414/2-A**  
**Matrix: Water**  
**Analysis Batch: 727805**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 727414**

| Analyte                     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | Limits   |
|-----------------------------|-------------|------------|---------------|------|---|------|----------|
| 1,1'-Biphenyl               | 33.3        | 29.27      |               | ug/L |   | 88   | 27 - 120 |
| 2,4,5-Trichlorophenol       | 33.3        | 30.49      |               | ug/L |   | 91   | 27 - 136 |
| 2,4,6-Trichlorophenol       | 33.3        | 24.49      |               | ug/L |   | 73   | 21 - 132 |
| 2,4-Dichlorophenol          | 33.3        | 37.03      |               | ug/L |   | 111  | 30 - 125 |
| 2,4-Dimethylphenol          | 33.3        | 37.33      |               | ug/L |   | 112  | 10 - 142 |
| 2,4-Dinitrophenol           | 66.7        | ND         | *-            | ug/L |   | 3    | 10 - 150 |
| 2,4-Dinitrotoluene          | 33.3        | 50.53      | *+            | ug/L |   | 152  | 30 - 129 |
| 2,6-Dinitrotoluene          | 33.3        | 49.25      | *+            | ug/L |   | 148  | 34 - 132 |
| 2-Chloronaphthalene         | 33.3        | 28.82      |               | ug/L |   | 86   | 10 - 150 |
| 2-Chlorophenol              | 33.3        | 28.46      |               | ug/L |   | 85   | 28 - 127 |
| 2-Methylnaphthalene         | 33.3        | 31.13      |               | ug/L |   | 93   | 24 - 150 |
| 2-Methylphenol              | 33.3        | 34.63      |               | ug/L |   | 104  | 11 - 121 |
| 2-Nitroaniline              | 33.3        | 49.93      | *+            | ug/L |   | 150  | 31 - 141 |
| 2-Nitrophenol               | 33.3        | 66.68      | E *+          | ug/L |   | 200  | 31 - 142 |
| 3 & 4 Methylphenol          | 33.3        | 33.40      |               | ug/L |   | 100  | 10 - 150 |
| 3,3'-Dichlorobenzidine      | 66.7        | 67.71      | E             | ug/L |   | 102  | 10 - 150 |
| 3-Nitroaniline              | 33.3        | 74.20      | E *+          | ug/L |   | 223  | 33 - 136 |
| 4,6-Dinitro-2-methylphenol  | 66.7        | 21.37      |               | ug/L |   | 32   | 10 - 150 |
| 4-Bromophenyl phenyl ether  | 33.3        | 31.32      |               | ug/L |   | 94   | 24 - 120 |
| 4-Chloro-3-methylphenol     | 33.3        | 43.60      |               | ug/L |   | 131  | 10 - 137 |
| 4-Chloroaniline             | 33.3        | 72.78      | E *+          | ug/L |   | 218  | 10 - 150 |
| 4-Chlorophenyl phenyl ether | 33.3        | 33.72      |               | ug/L |   | 101  | 31 - 110 |
| 4-Nitroaniline              | 33.3        | 55.39      | *+            | ug/L |   | 166  | 37 - 139 |
| 4-Nitrophenol               | 66.7        | 39.42      |               | ug/L |   | 59   | 10 - 150 |
| Acenaphthene                | 33.3        | 30.90      |               | ug/L |   | 93   | 29 - 150 |

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# QC Sample Results

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

Job ID: 752-38160-1

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

**Lab Sample ID: LCS 400-727414/2-A**  
**Matrix: Water**  
**Analysis Batch: 727805**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 727414**

| Analyte                       | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-------------------------------|-------------|------------|---------------|------|---|------|-------------|
| Acenaphthylene                | 33.3        | 30.90      |               | ug/L |   | 93   | 30 - 150    |
| Acetophenone                  | 33.3        | 32.01      |               | ug/L |   | 96   | 27 - 119    |
| Anthracene                    | 33.3        | 35.44      |               | ug/L |   | 106  | 31 - 150    |
| Atrazine                      | 33.3        | 30.46      |               | ug/L |   | 91   | 10 - 150    |
| Benzaldehyde                  | 33.3        | 25.04      |               | ug/L |   | 75   | 10 - 150    |
| Benzo[a]anthracene            | 33.3        | 31.12      |               | ug/L |   | 93   | 36 - 150    |
| Benzo[a]pyrene                | 33.3        | 32.60      |               | ug/L |   | 98   | 29 - 150    |
| Benzo[b]fluoranthene          | 33.3        | 30.64      |               | ug/L |   | 92   | 32 - 150    |
| Benzo[g,h,i]perylene          | 33.3        | 35.17      |               | ug/L |   | 106  | 28 - 150    |
| Benzo[k]fluoranthene          | 33.3        | 33.57      |               | ug/L |   | 101  | 30 - 150    |
| bis (2-chloroisopropyl) ether | 33.3        | 29.89      |               | ug/L |   | 90   | 32 - 115    |
| Bis(2-chloroethoxy)methane    | 33.3        | 35.73      |               | ug/L |   | 107  | 34 - 120    |
| Bis(2-chloroethyl)ether       | 33.3        | 28.69      |               | ug/L |   | 86   | 32 - 114    |
| Bis(2-ethylhexyl) phthalate   | 33.3        | 34.78      |               | ug/L |   | 104  | 24 - 133    |
| Butyl benzyl phthalate        | 33.3        | 37.73      |               | ug/L |   | 113  | 24 - 140    |
| Caprolactam                   | 33.3        | 32.47      |               | ug/L |   | 97   | 10 - 150    |
| Carbazole                     | 33.3        | 36.63      |               | ug/L |   | 110  | 28 - 123    |
| Chrysene                      | 33.3        | 31.34      |               | ug/L |   | 94   | 34 - 150    |
| Dibenz(a,h)anthracene         | 33.3        | 33.39      |               | ug/L |   | 100  | 29 - 150    |
| Dibenzofuran                  | 33.3        | 31.06      |               | ug/L |   | 93   | 35 - 110    |
| Diethyl phthalate             | 33.3        | 30.61      |               | ug/L |   | 92   | 31 - 118    |
| Dimethyl phthalate            | 33.3        | 24.38      |               | ug/L |   | 73   | 24 - 125    |
| Di-n-butyl phthalate          | 33.3        | 39.17      |               | ug/L |   | 118  | 30 - 127    |
| Di-n-octyl phthalate          | 33.3        | 36.08      |               | ug/L |   | 108  | 28 - 142    |
| Fluoranthene                  | 33.3        | 37.67      |               | ug/L |   | 113  | 30 - 150    |
| Fluorene                      | 33.3        | 30.25      |               | ug/L |   | 91   | 30 - 150    |
| Hexachlorobenzene             | 33.3        | 35.33      |               | ug/L |   | 106  | 29 - 113    |
| Hexachlorobutadiene           | 33.3        | 27.71      |               | ug/L |   | 83   | 10 - 117    |
| Hexachlorocyclopentadiene     | 33.3        | 27.06      |               | ug/L |   | 81   | 10 - 150    |
| Hexachloroethane              | 33.3        | 26.96      |               | ug/L |   | 81   | 10 - 112    |
| Indeno[1,2,3-cd]pyrene        | 33.3        | 30.39      |               | ug/L |   | 91   | 28 - 150    |
| Isophorone                    | 33.3        | 31.07      |               | ug/L |   | 93   | 29 - 125    |
| Naphthalene                   | 33.3        | 32.17      |               | ug/L |   | 97   | 27 - 150    |
| Nitrobenzene                  | 33.3        | 41.58      |               | ug/L |   | 125  | 29 - 129    |
| N-Nitrosodi-n-propylamine     | 33.3        | 25.23      |               | ug/L |   | 76   | 50 - 134    |
| N-Nitrosodiphenylamine        | 33.1        | 31.57      |               | ug/L |   | 95   | 50 - 132    |
| Pentachlorophenol             | 66.7        | 65.31      |               | ug/L |   | 98   | 14 - 150    |
| Phenanthrene                  | 33.3        | 34.17      |               | ug/L |   | 103  | 32 - 150    |
| Phenol                        | 33.3        | 26.55      |               | ug/L |   | 80   | 10 - 150    |
| Pyrene                        | 33.3        | 38.31      |               | ug/L |   | 115  | 30 - 150    |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 2,4,6-Tribromophenol (Surr) | 116           |               | 10 - 150 |
| 2-Fluorobiphenyl (Surr)     | 85            |               | 25 - 139 |
| 2-Fluorophenol (Surr)       | 68            |               | 10 - 150 |
| Nitrobenzene-d5 (Surr)      | 123           |               | 22 - 150 |
| Phenol-d5 (Surr)            | 66            |               | 10 - 150 |
| Terphenyl-d14 (Surr)        | 89            |               | 28 - 150 |

# QC Sample Results

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

Job ID: 752-38160-1

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

**Lab Sample ID: LCSD 400-727414/3-A**  
**Matrix: Water**  
**Analysis Batch: 727805**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 727414**

| Analyte                       | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD   |
|-------------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-------|
|                               |             |             |                |      |   |      |             |     | Limit |
| 1,1'-Biphenyl                 | 33.3        | 28.21       |                | ug/L |   | 85   | 27 - 120    | 4   | 40    |
| 2,4,5-Trichlorophenol         | 33.3        | 28.59       |                | ug/L |   | 86   | 27 - 136    | 6   | 40    |
| 2,4,6-Trichlorophenol         | 33.3        | 22.46       |                | ug/L |   | 67   | 21 - 132    | 9   | 40    |
| 2,4-Dichlorophenol            | 33.3        | 33.42       |                | ug/L |   | 100  | 30 - 125    | 10  | 40    |
| 2,4-Dimethylphenol            | 33.3        | 33.78       |                | ug/L |   | 101  | 10 - 142    | 10  | 40    |
| 2,4-Dinitrophenol             | 66.7        | ND          | *-             | ug/L |   | 2    | 10 - 150    | 33  | 40    |
| 2,4-Dinitrotoluene            | 33.3        | 51.08       | *+             | ug/L |   | 153  | 30 - 129    | 1   | 40    |
| 2,6-Dinitrotoluene            | 33.3        | 50.24       | *+             | ug/L |   | 151  | 34 - 132    | 2   | 40    |
| 2-Chloronaphthalene           | 33.3        | 28.04       |                | ug/L |   | 84   | 10 - 150    | 3   | 40    |
| 2-Chlorophenol                | 33.3        | 26.14       |                | ug/L |   | 78   | 28 - 127    | 9   | 40    |
| 2-Methylnaphthalene           | 33.3        | 29.24       |                | ug/L |   | 88   | 24 - 150    | 6   | 40    |
| 2-Methylphenol                | 33.3        | 32.87       |                | ug/L |   | 99   | 11 - 121    | 5   | 40    |
| 2-Nitroaniline                | 33.3        | 50.66       | *+             | ug/L |   | 152  | 31 - 141    | 1   | 40    |
| 2-Nitrophenol                 | 33.3        | 58.80       | *+             | ug/L |   | 176  | 31 - 142    | 13  | 40    |
| 3 & 4 Methylphenol            | 33.3        | 33.27       |                | ug/L |   | 100  | 10 - 150    | 0   | 40    |
| 3,3'-Dichlorobenzidine        | 66.7        | 64.69       |                | ug/L |   | 97   | 10 - 150    | 5   | 40    |
| 3-Nitroaniline                | 33.3        | 75.35       | *+ E           | ug/L |   | 226  | 33 - 136    | 2   | 40    |
| 4,6-Dinitro-2-methylphenol    | 66.7        | 18.02       |                | ug/L |   | 27   | 10 - 150    | 17  | 40    |
| 4-Bromophenyl phenyl ether    | 33.3        | 29.39       |                | ug/L |   | 88   | 24 - 120    | 6   | 40    |
| 4-Chloro-3-methylphenol       | 33.3        | 39.24       |                | ug/L |   | 118  | 10 - 137    | 11  | 40    |
| 4-Chloroaniline               | 33.3        | 69.56       | *+ E           | ug/L |   | 209  | 10 - 150    | 5   | 40    |
| 4-Chlorophenyl phenyl ether   | 33.3        | 33.04       |                | ug/L |   | 99   | 31 - 110    | 2   | 40    |
| 4-Nitroaniline                | 33.3        | 56.58       | *+             | ug/L |   | 170  | 37 - 139    | 2   | 40    |
| 4-Nitrophenol                 | 66.7        | 36.96       |                | ug/L |   | 55   | 10 - 150    | 6   | 40    |
| Acenaphthene                  | 33.3        | 30.38       |                | ug/L |   | 91   | 29 - 150    | 2   | 40    |
| Acenaphthylene                | 33.3        | 29.98       |                | ug/L |   | 90   | 30 - 150    | 3   | 40    |
| Acetophenone                  | 33.3        | 30.45       |                | ug/L |   | 91   | 27 - 119    | 5   | 40    |
| Anthracene                    | 33.3        | 34.32       |                | ug/L |   | 103  | 31 - 150    | 3   | 40    |
| Atrazine                      | 33.3        | 32.42       |                | ug/L |   | 97   | 10 - 150    | 6   | 40    |
| Benzaldehyde                  | 33.3        | 26.13       |                | ug/L |   | 78   | 10 - 150    | 4   | 40    |
| Benzo[a]anthracene            | 33.3        | 29.83       |                | ug/L |   | 90   | 36 - 150    | 4   | 40    |
| Benzo[a]pyrene                | 33.3        | 30.57       |                | ug/L |   | 92   | 29 - 150    | 6   | 40    |
| Benzo[b]fluoranthene          | 33.3        | 28.41       |                | ug/L |   | 85   | 32 - 150    | 8   | 40    |
| Benzo[g,h,i]perylene          | 33.3        | 33.00       |                | ug/L |   | 99   | 28 - 150    | 6   | 40    |
| Benzo[k]fluoranthene          | 33.3        | 31.73       |                | ug/L |   | 95   | 30 - 150    | 6   | 40    |
| bis (2-chloroisopropyl) ether | 33.3        | 28.40       |                | ug/L |   | 85   | 32 - 115    | 5   | 40    |
| Bis(2-chloroethoxy)methane    | 33.3        | 33.81       |                | ug/L |   | 101  | 34 - 120    | 6   | 40    |
| Bis(2-chloroethyl)ether       | 33.3        | 27.54       |                | ug/L |   | 83   | 32 - 114    | 4   | 40    |
| Bis(2-ethylhexyl) phthalate   | 33.3        | 32.97       |                | ug/L |   | 99   | 24 - 133    | 5   | 40    |
| Butyl benzyl phthalate        | 33.3        | 36.39       |                | ug/L |   | 109  | 24 - 140    | 4   | 40    |
| Caprolactam                   | 33.3        | 37.49       |                | ug/L |   | 112  | 10 - 150    | 14  | 40    |
| Carbazole                     | 33.3        | 35.70       |                | ug/L |   | 107  | 28 - 123    | 3   | 40    |
| Chrysene                      | 33.3        | 29.79       |                | ug/L |   | 89   | 34 - 150    | 5   | 40    |
| Dibenz(a,h)anthracene         | 33.3        | 31.18       |                | ug/L |   | 94   | 29 - 150    | 7   | 40    |
| Dibenzofuran                  | 33.3        | 30.51       |                | ug/L |   | 92   | 35 - 110    | 2   | 40    |
| Diethyl phthalate             | 33.3        | 30.80       |                | ug/L |   | 92   | 31 - 118    | 1   | 40    |
| Dimethyl phthalate            | 33.3        | 24.07       |                | ug/L |   | 72   | 24 - 125    | 1   | 40    |
| Di-n-butyl phthalate          | 33.3        | 38.06       |                | ug/L |   | 114  | 30 - 127    | 3   | 40    |

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# QC Sample Results

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

Job ID: 752-38160-1

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

**Lab Sample ID: LCSD 400-727414/3-A**  
**Matrix: Water**  
**Analysis Batch: 727805**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 727414**

| Analyte                   | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
|                           |             |             |                |      |   |      |             |     |           |
| Fluoranthene              | 33.3        | 36.56       |                | ug/L |   | 110  | 30 - 150    | 3   | 40        |
| Fluorene                  | 33.3        | 29.90       |                | ug/L |   | 90   | 30 - 150    | 1   | 40        |
| Hexachlorobenzene         | 33.3        | 33.60       |                | ug/L |   | 101  | 29 - 113    | 5   | 40        |
| Hexachlorobutadiene       | 33.3        | 24.94       |                | ug/L |   | 75   | 10 - 117    | 10  | 40        |
| Hexachlorocyclopentadiene | 33.3        | 24.49       |                | ug/L |   | 73   | 10 - 150    | 10  | 40        |
| Hexachloroethane          | 33.3        | 24.61       |                | ug/L |   | 74   | 10 - 112    | 9   | 40        |
| Indeno[1,2,3-cd]pyrene    | 33.3        | 28.27       |                | ug/L |   | 85   | 28 - 150    | 7   | 40        |
| Isophorone                | 33.3        | 29.62       |                | ug/L |   | 89   | 29 - 125    | 5   | 40        |
| Naphthalene               | 33.3        | 30.14       |                | ug/L |   | 90   | 27 - 150    | 7   | 40        |
| Nitrobenzene              | 33.3        | 40.36       |                | ug/L |   | 121  | 29 - 129    | 3   | 40        |
| N-Nitrosodi-n-propylamine | 33.3        | 23.72       |                | ug/L |   | 71   | 50 - 134    | 6   | 40        |
| N-Nitrosodiphenylamine    | 33.1        | 31.75       |                | ug/L |   | 96   | 50 - 132    | 1   | 40        |
| Pentachlorophenol         | 66.7        | 62.71       |                | ug/L |   | 94   | 14 - 150    | 4   | 40        |
| Phenanthrene              | 33.3        | 33.05       |                | ug/L |   | 99   | 32 - 150    | 3   | 40        |
| Phenol                    | 33.3        | 28.58       |                | ug/L |   | 86   | 10 - 150    | 7   | 40        |
| Pyrene                    | 33.3        | 36.82       |                | ug/L |   | 110  | 30 - 150    | 4   | 40        |

| Surrogate                   | LCSD      |           | Limits   |
|-----------------------------|-----------|-----------|----------|
|                             | %Recovery | Qualifier |          |
| 2,4,6-Tribromophenol (Surr) | 114       |           | 10 - 150 |
| 2-Fluorobiphenyl (Surr)     | 83        |           | 25 - 139 |
| 2-Fluorophenol (Surr)       | 76        |           | 10 - 150 |
| Nitrobenzene-d5 (Surr)      | 121       |           | 22 - 150 |
| Phenol-d5 (Surr)            | 80        |           | 10 - 150 |
| Terphenyl-d14 (Surr)        | 87        |           | 28 - 150 |

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

**Lab Sample ID: MB 400-727264/1-A**  
**Matrix: Water**  
**Analysis Batch: 727576**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 727264**

| Analyte     | MB     |           | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
|             | Result | Qualifier |       |       |      |   |                |                |         |
| 1,4-Dioxane | ND     |           | 0.300 | 0.300 | ug/L |   | 10/17/25 16:54 | 10/21/25 14:27 | 1       |

| Isotope Dilution | MB        |           | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
|                  | %Recovery | Qualifier |          |                |                |         |
| 1,4-Dioxane-d8   | 15        |           | 10 - 140 | 10/17/25 16:54 | 10/21/25 14:27 | 1       |

**Lab Sample ID: LCS 400-727264/2-A**  
**Matrix: Water**  
**Analysis Batch: 727576**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 727264**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|-------------|------------|---------------|------|---|------|-------------|
|         |             |            |               |      |   |      |             |

| Isotope Dilution | LCS       |           | Limits   |
|------------------|-----------|-----------|----------|
|                  | %Recovery | Qualifier |          |
| 1,4-Dioxane-d8   | 25        |           | 10 - 140 |

# QC Sample Results

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

Job ID: 752-38160-1

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

**Lab Sample ID: LCSD 400-727264/3-A**  
**Matrix: Water**  
**Analysis Batch: 727576**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 727264**

| Analyte                 | Spike Added | LCSD Result      | LCSD Qualifier   | Unit          | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-------------------------|-------------|------------------|------------------|---------------|---|------|-------------|-----|-----------|
| 1,4-Dioxane             | 16.0        | 18.59            |                  | ug/L          |   | 116  | 30 - 150    | 3   | 40        |
|                         |             | <i>LCSD</i>      | <i>LCSD</i>      |               |   |      |             |     |           |
| <i>Isotope Dilution</i> |             | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> |   |      |             |     |           |
| 1,4-Dioxane-d8          |             | 27               |                  | 10 - 140      |   |      |             |     |           |

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

**Lab Sample ID: MB 705-89911/1-A**  
**Matrix: Water**  
**Analysis Batch: 90316**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 89911**

| Analyte   | MB Result | MB Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|-----------|--------------|-------|-------|------|---|----------------|----------------|---------|
| Antimony  | ND        |              | 5.00  | 2.45  | ug/L |   | 10/21/25 17:35 | 10/22/25 20:27 | 1       |
| Arsenic   | ND        |              | 5.00  | 1.32  | ug/L |   | 10/21/25 17:35 | 10/22/25 20:27 | 1       |
| Barium    | ND        |              | 10.0  | 0.410 | ug/L |   | 10/21/25 17:35 | 10/22/25 20:27 | 1       |
| Beryllium | ND        |              | 1.00  | 0.147 | ug/L |   | 10/21/25 17:35 | 10/22/25 20:27 | 1       |
| Cadmium   | ND        |              | 0.700 | 0.237 | ug/L |   | 10/21/25 17:35 | 10/22/25 20:27 | 1       |
| Chromium  | ND        | ^+           | 5.00  | 3.69  | ug/L |   | 10/21/25 17:35 | 10/22/25 20:27 | 1       |
| Cobalt    | ND        | ^+           | 5.00  | 0.411 | ug/L |   | 10/21/25 17:35 | 10/22/25 20:27 | 1       |
| Copper    | ND        |              | 2.00  | 0.642 | ug/L |   | 10/21/25 17:35 | 10/22/25 20:27 | 1       |
| Lead      | ND        |              | 1.00  | 0.864 | ug/L |   | 10/21/25 17:35 | 10/22/25 20:27 | 1       |
| Manganese | ND        | ^+           | 5.00  | 1.29  | ug/L |   | 10/21/25 17:35 | 10/22/25 20:27 | 1       |
| Nickel    | ND        | ^-           | 5.00  | 0.422 | ug/L |   | 10/21/25 17:35 | 10/22/25 20:27 | 1       |
| Selenium  | ND        | ^+           | 5.00  | 2.29  | ug/L |   | 10/21/25 17:35 | 10/22/25 20:27 | 1       |
| Silver    | ND        |              | 1.00  | 0.167 | ug/L |   | 10/21/25 17:35 | 10/22/25 20:27 | 1       |
| Thallium  | ND        |              | 1.00  | 0.190 | ug/L |   | 10/21/25 17:35 | 10/22/25 20:27 | 1       |
| Vanadium  | 1.340     | J            | 5.00  | 1.22  | ug/L |   | 10/21/25 17:35 | 10/22/25 20:27 | 1       |
| Zinc      | ND        |              | 10.0  | 8.91  | ug/L |   | 10/21/25 17:35 | 10/22/25 20:27 | 1       |

**Lab Sample ID: LCS 705-89911/2-A**  
**Matrix: Water**  
**Analysis Batch: 90316**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 89911**

| Analyte   | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------|-------------|------------|---------------|------|---|------|-------------|
| Antimony  | 100         | 94.76      |               | ug/L |   | 95   | 80 - 120    |
| Arsenic   | 100         | 89.52      |               | ug/L |   | 90   | 80 - 120    |
| Barium    | 100         | 93.13      |               | ug/L |   | 93   | 80 - 120    |
| Beryllium | 100         | 97.22      |               | ug/L |   | 97   | 80 - 120    |
| Cadmium   | 100         | 97.56      |               | ug/L |   | 98   | 80 - 120    |
| Chromium  | 100         | 117.9      | ^+            | ug/L |   | 118  | 80 - 120    |
| Cobalt    | 100         | 123.6      | ^+ **         | ug/L |   | 124  | 80 - 120    |
| Copper    | 100         | 91.32      |               | ug/L |   | 91   | 80 - 120    |
| Lead      | 100         | 108.0      |               | ug/L |   | 108  | 80 - 120    |
| Manganese | 100         | 115.6      | ^+            | ug/L |   | 116  | 80 - 120    |
| Nickel    | 100         | 85.95      | ^-            | ug/L |   | 86   | 80 - 120    |
| Selenium  | 100         | 128.6      | ^+ **         | ug/L |   | 129  | 80 - 120    |
| Silver    | 10.0        | 9.357      |               | ug/L |   | 94   | 80 - 120    |
| Thallium  | 100         | 106.9      |               | ug/L |   | 107  | 80 - 120    |

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# QC Sample Results

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

Job ID: 752-38160-1

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

Lab Sample ID: LCS 705-89911/2-A  
Matrix: Water  
Analysis Batch: 90316

Client Sample ID: Lab Control Sample  
Prep Type: Total Recoverable  
Prep Batch: 89911

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|------|---|------|-------------|
| Vanadium | 100         | 115.2      |               | ug/L |   | 115  | 80 - 120    |
| Zinc     | 100         | 89.29      |               | ug/L |   | 89   | 80 - 120    |

## Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 705-90609/1-A  
Matrix: Water  
Analysis Batch: 90803

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 90609

| Analyte | MB Result | MB Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|-----------|--------------|-------|-------|------|---|----------------|----------------|---------|
| Mercury | ND        |              | 0.200 | 0.166 | ug/L |   | 10/24/25 12:28 | 10/24/25 15:45 | 1       |

Lab Sample ID: LCS 705-90609/2-A  
Matrix: Water  
Analysis Batch: 90803

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 90609

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|-------------|------------|---------------|------|---|------|-------------|
| Mercury | 4.00        | 3.912      |               | ug/L |   | 98   | 80 - 120    |

## Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 400-728118/67  
Matrix: Water  
Analysis Batch: 728118

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

| Analyte        | MB Result | MB Qualifier | RL     | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------|-----------|--------------|--------|--------|------|---|----------|----------------|---------|
| Ammonia (as N) | ND        |              | 0.0500 | 0.0460 | mg/L |   |          | 10/24/25 12:25 | 1       |

Lab Sample ID: LCS 400-728118/68  
Matrix: Water  
Analysis Batch: 728118

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

| Analyte        | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------------|-------------|------------|---------------|------|---|------|-------------|
| Ammonia (as N) | 2.99        | 3.046      |               | mg/L |   | 102  | 90 - 110    |

Lab Sample ID: MRL 400-728118/18  
Matrix: Water  
Analysis Batch: 728118

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      | 0.04900    | J             | mg/L |   | 98   | 50 - 150    |

## Method: 353.2 - Nitrogen, Nitrite

Lab Sample ID: MB 752-13860/10  
Matrix: Water  
Analysis Batch: 13860

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

| Analyte      | MB Result | MB Qualifier | RL    | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|--------------|-----------|--------------|-------|--------|------|---|----------|----------------|---------|
| Nitrite as N | ND        |              | 0.100 | 0.0168 | mg/L |   |          | 10/16/25 16:20 | 1       |

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# QC Sample Results

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

Job ID: 752-38160-1

## Method: 353.2 - Nitrogen, Nitrite (Continued)

**Lab Sample ID: MB 752-13860/53**  
**Matrix: Water**  
**Analysis Batch: 13860**

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

| Analyte      | MB Result | MB Qualifier | RL    | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|--------------|-----------|--------------|-------|--------|------|---|----------|----------------|---------|
| Nitrite as N | ND        |              | 0.100 | 0.0168 | mg/L |   |          | 10/16/25 17:03 | 1       |

**Lab Sample ID: LCS 752-13860/13**  
**Matrix: Water**  
**Analysis Batch: 13860**

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

| Analyte      | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|--------------|-------------|------------|---------------|------|---|------|-------------|
| Nitrite as N | 1.00        | 0.9524     |               | mg/L |   | 95   | 90 - 110    |

**Lab Sample ID: LCSD 752-13860/69**  
**Matrix: Water**  
**Analysis Batch: 13860**

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

| Analyte      | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Nitrite as N | 1.00        | 0.9262      |                | mg/L |   | 93   | 90 - 110    | 2   | 10        |

**Lab Sample ID: 752-38160-10 MS**  
**Matrix: Water**  
**Analysis Batch: 13860**

**Client Sample ID: 101525-DUP1**  
**Prep Type: Total/NA**

| Analyte      | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|--------------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Nitrite as N | ND            |                  | 1.00        | 0.9111    |              | mg/L |   | 91   | 90 - 110    |

**Lab Sample ID: 752-38160-10 MSD**  
**Matrix: Water**  
**Analysis Batch: 13860**

**Client Sample ID: 101525-DUP1**  
**Prep Type: Total/NA**

| Analyte      | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Nitrite as N | ND            |                  | 1.00        | 0.9072     |               | mg/L |   | 91   | 90 - 110    | 0   | 10        |

## Method: SM 4500 NO3 F - Nitrogen, Nitrate-Nitrite

**Lab Sample ID: MB 400-727623/48**  
**Matrix: Water**  
**Analysis Batch: 727623**

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

| Analyte              | MB Result | MB Qualifier | RL     | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|-----------|--------------|--------|--------|------|---|----------|----------------|---------|
| Nitrate Nitrite as N | ND        |              | 0.0500 | 0.0180 | mg/L |   |          | 10/21/25 17:31 | 1       |

**Lab Sample ID: MB 400-727623/96**  
**Matrix: Water**  
**Analysis Batch: 727623**

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

| Analyte              | MB Result | MB Qualifier | RL     | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|-----------|--------------|--------|--------|------|---|----------|----------------|---------|
| Nitrate Nitrite as N | ND        |              | 0.0500 | 0.0180 | mg/L |   |          | 10/21/25 19:17 | 1       |

# QC Sample Results

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

Job ID: 752-38160-1

## Method: SM 4500 NO3 F - Nitrogen, Nitrate-Nitrite (Continued)

**Lab Sample ID: LCS 400-727623/49**  
**Matrix: Water**  
**Analysis Batch: 727623**

**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        | 1.065      |               | mg/L |   | 106  | 90 - 110    |

**Lab Sample ID: LCS 400-727623/97**  
**Matrix: Water**  
**Analysis Batch: 727623**

**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        | 1.052      |               | mg/L |   | 105  | 90 - 110    |

**Lab Sample ID: MRL 400-727623/50**  
**Matrix: Water**  
**Analysis Batch: 727623**

**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      | 0.05100    |               | mg/L |   | 102  | 50 - 150    |

**Lab Sample ID: 752-38160-6 MS**  
**Matrix: Water**  
**Analysis Batch: 727623**

**Client Sample ID: MW-6**  
**Prep Type: Total/NA**

| Analyte              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Nitrate Nitrite as N | 1.75          | F1               | 0.999       | 2.606     | F1           | mg/L |   | 86   | 90 - 110    |

**Lab Sample ID: 752-38160-6 MSD**  
**Matrix: Water**  
**Analysis Batch: 727623**

**Client Sample ID: MW-6**  
**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 | 1.75          | F1               | 0.999       | 2.582      | F1            | mg/L |   | 84   | 90 - 110    | 1   | 10        |

## Method: SM 4500 SO4 E - Sulfate, Total

**Lab Sample ID: MB 400-727436/22**  
**Matrix: Water**  
**Analysis Batch: 727436**

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

| Analyte | MB Result | MB Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------|-----------|--------------|------|------|------|---|----------|----------------|---------|
| Sulfate | ND        |              | 5.00 | 1.40 | mg/L |   |          | 10/20/25 11:29 | 1       |

**Lab Sample ID: LCS 400-727436/23**  
**Matrix: Water**  
**Analysis Batch: 727436**

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|-------------|------------|---------------|------|---|------|-------------|
| Sulfate | 15.0        | 15.39      |               | mg/L |   | 103  | 90 - 110    |

# QC Sample Results

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

Job ID: 752-38160-1

## Method: SM 4500 SO4 E - Sulfate, Total (Continued)

**Lab Sample ID: MRL 400-727436/24**  
**Matrix: Water**  
**Analysis Batch: 727436**

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

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|-------------|------------|---------------|------|---|------|-------------|
| Sulfate | 5.00        | 4.819      | J             | mg/L |   | 96   | 50 - 150    |

**Lab Sample ID: 752-38160-1 MS**  
**Matrix: Water**  
**Analysis Batch: 727436**

**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 |
|---------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Sulfate | 39.2          | F1               | 2.00        | 40.34     | 4            | mg/L |   | 58   | 77 - 128    |

**Lab Sample ID: 752-38160-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 727436**

**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 |
|---------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Sulfate | 39.2          | F1               | 2.00        | 40.64      | 4             | mg/L |   | 73   | 77 - 128    | 1   | 5         |

# QC Association Summary

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

Job ID: 752-38160-1

## GC/MS VOA

### Analysis Batch: 727836

| Lab Sample ID       | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|---------------------|--------------------|-----------|--------|--------|------------|
| 752-38160-1         | MW-1               | Total/NA  | Water  | 8260D  |            |
| 752-38160-2         | MW-2               | Total/NA  | Water  | 8260D  |            |
| 752-38160-3         | MW-3               | Total/NA  | Water  | 8260D  |            |
| 752-38160-4         | MW-4               | Total/NA  | Water  | 8260D  |            |
| 752-38160-5         | MW-5               | Total/NA  | Water  | 8260D  |            |
| 752-38160-6         | MW-6               | Total/NA  | Water  | 8260D  |            |
| 752-38160-7         | MW-7               | Total/NA  | Water  | 8260D  |            |
| 752-38160-8         | MW-8               | Total/NA  | Water  | 8260D  |            |
| 752-38160-9         | MW-9               | Total/NA  | Water  | 8260D  |            |
| 752-38160-10        | 101525-DUP1        | Total/NA  | Water  | 8260D  |            |
| 752-38160-11        | Trip Blank         | Total/NA  | Water  | 8260D  |            |
| MB 400-727836/5     | Method Blank       | Total/NA  | Water  | 8260D  |            |
| LCS 400-727836/1002 | Lab Control Sample | Total/NA  | Water  | 8260D  |            |

## GC/MS Semi VOA

### Prep Batch: 727264

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 752-38160-1         | MW-1                   | Total/NA  | Water  | 3510C  |            |
| 752-38160-2         | MW-2                   | Total/NA  | Water  | 3510C  |            |
| 752-38160-3         | MW-3                   | Total/NA  | Water  | 3510C  |            |
| 752-38160-4         | MW-4                   | Total/NA  | Water  | 3510C  |            |
| 752-38160-5         | MW-5                   | Total/NA  | Water  | 3510C  |            |
| 752-38160-6         | MW-6                   | Total/NA  | Water  | 3510C  |            |
| 752-38160-7         | MW-7                   | Total/NA  | Water  | 3510C  |            |
| 752-38160-8         | MW-8                   | Total/NA  | Water  | 3510C  |            |
| 752-38160-9         | MW-9                   | Total/NA  | Water  | 3510C  |            |
| 752-38160-10        | 101525-DUP1            | Total/NA  | Water  | 3510C  |            |
| MB 400-727264/1-A   | Method Blank           | Total/NA  | Water  | 3510C  |            |
| LCS 400-727264/2-A  | Lab Control Sample     | Total/NA  | Water  | 3510C  |            |
| LCSD 400-727264/3-A | Lab Control Sample Dup | Total/NA  | Water  | 3510C  |            |

### Prep Batch: 727342

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 752-38160-10       | 101525-DUP1        | Total/NA  | Water  | 3511   |            |
| MB 400-727342/1-A  | Method Blank       | Total/NA  | Water  | 3511   |            |
| LCS 400-727342/2-A | Lab Control Sample | Total/NA  | Water  | 3511   |            |

### Prep Batch: 727414

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 752-38160-1        | MW-1               | Total/NA  | Water  | 3511   |            |
| 752-38160-2        | MW-2               | Total/NA  | Water  | 3511   |            |
| 752-38160-3        | MW-3               | Total/NA  | Water  | 3511   |            |
| 752-38160-4        | MW-4               | Total/NA  | Water  | 3511   |            |
| 752-38160-5        | MW-5               | Total/NA  | Water  | 3511   |            |
| 752-38160-6        | MW-6               | Total/NA  | Water  | 3511   |            |
| 752-38160-7        | MW-7               | Total/NA  | Water  | 3511   |            |
| 752-38160-8        | MW-8               | Total/NA  | Water  | 3511   |            |
| 752-38160-9        | MW-9               | Total/NA  | Water  | 3511   |            |
| MB 400-727414/1-A  | Method Blank       | Total/NA  | Water  | 3511   |            |
| LCS 400-727414/2-A | Lab Control Sample | Total/NA  | Water  | 3511   |            |

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# QC Association Summary

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

Job ID: 752-38160-1

## GC/MS Semi VOA (Continued)

### Prep Batch: 727414 (Continued)

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| LCSD 400-727414/3-A | Lab Control Sample Dup | Total/NA  | Water  | 3511   |            |

### Analysis Batch: 727576

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method       | Prep Batch |
|---------------------|------------------------|-----------|--------|--------------|------------|
| 752-38160-1         | MW-1                   | Total/NA  | Water  | 8270E SIM ID | 727264     |
| 752-38160-2         | MW-2                   | Total/NA  | Water  | 8270E SIM ID | 727264     |
| 752-38160-3         | MW-3                   | Total/NA  | Water  | 8270E SIM ID | 727264     |
| 752-38160-4         | MW-4                   | Total/NA  | Water  | 8270E SIM ID | 727264     |
| 752-38160-5         | MW-5                   | Total/NA  | Water  | 8270E SIM ID | 727264     |
| 752-38160-6         | MW-6                   | Total/NA  | Water  | 8270E SIM ID | 727264     |
| 752-38160-7         | MW-7                   | Total/NA  | Water  | 8270E SIM ID | 727264     |
| 752-38160-8         | MW-8                   | Total/NA  | Water  | 8270E SIM ID | 727264     |
| 752-38160-9         | MW-9                   | Total/NA  | Water  | 8270E SIM ID | 727264     |
| 752-38160-10        | 101525-DUP1            | Total/NA  | Water  | 8270E SIM ID | 727264     |
| MB 400-727264/1-A   | Method Blank           | Total/NA  | Water  | 8270E SIM ID | 727264     |
| LCS 400-727264/2-A  | Lab Control Sample     | Total/NA  | Water  | 8270E SIM ID | 727264     |
| LCSD 400-727264/3-A | Lab Control Sample Dup | Total/NA  | Water  | 8270E SIM ID | 727264     |

### Analysis Batch: 727805

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 752-38160-1         | MW-1                   | Total/NA  | Water  | 8270E  | 727414     |
| 752-38160-2         | MW-2                   | Total/NA  | Water  | 8270E  | 727414     |
| 752-38160-3         | MW-3                   | Total/NA  | Water  | 8270E  | 727414     |
| 752-38160-4         | MW-4                   | Total/NA  | Water  | 8270E  | 727414     |
| 752-38160-5         | MW-5                   | Total/NA  | Water  | 8270E  | 727414     |
| 752-38160-6         | MW-6                   | Total/NA  | Water  | 8270E  | 727414     |
| 752-38160-7         | MW-7                   | Total/NA  | Water  | 8270E  | 727414     |
| 752-38160-8         | MW-8                   | Total/NA  | Water  | 8270E  | 727414     |
| 752-38160-9         | MW-9                   | Total/NA  | Water  | 8270E  | 727414     |
| MB 400-727414/1-A   | Method Blank           | Total/NA  | Water  | 8270E  | 727414     |
| LCS 400-727414/2-A  | Lab Control Sample     | Total/NA  | Water  | 8270E  | 727414     |
| LCSD 400-727414/3-A | Lab Control Sample Dup | Total/NA  | Water  | 8270E  | 727414     |

### Analysis Batch: 728273

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 752-38160-10       | 101525-DUP1        | Total/NA  | Water  | 8270E  | 727342     |
| MB 400-727342/1-A  | Method Blank       | Total/NA  | Water  | 8270E  | 727342     |
| LCS 400-727342/2-A | Lab Control Sample | Total/NA  | Water  | 8270E  | 727342     |

## Metals

### Prep Batch: 89911

| Lab Sample ID | Client Sample ID | Prep Type         | Matrix | Method | Prep Batch |
|---------------|------------------|-------------------|--------|--------|------------|
| 752-38160-1   | MW-1             | Total Recoverable | Water  | 3005A  |            |
| 752-38160-2   | MW-2             | Total Recoverable | Water  | 3005A  |            |
| 752-38160-3   | MW-3             | Total Recoverable | Water  | 3005A  |            |
| 752-38160-4   | MW-4             | Total Recoverable | Water  | 3005A  |            |
| 752-38160-5   | MW-5             | Total Recoverable | Water  | 3005A  |            |
| 752-38160-6   | MW-6             | Total Recoverable | Water  | 3005A  |            |
| 752-38160-7   | MW-7             | Total Recoverable | Water  | 3005A  |            |
| 752-38160-8   | MW-8             | Total Recoverable | Water  | 3005A  |            |

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# QC Association Summary

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

Job ID: 752-38160-1

## Metals (Continued)

### Prep Batch: 89911 (Continued)

| Lab Sample ID     | Client Sample ID   | Prep Type         | Matrix | Method | Prep Batch |
|-------------------|--------------------|-------------------|--------|--------|------------|
| 752-38160-9       | MW-9               | Total Recoverable | Water  | 3005A  |            |
| 752-38160-10      | 101525-DUP1        | Total Recoverable | Water  | 3005A  |            |
| MB 705-89911/1-A  | Method Blank       | Total Recoverable | Water  | 3005A  |            |
| LCS 705-89911/2-A | Lab Control Sample | Total Recoverable | Water  | 3005A  |            |

### Analysis Batch: 90316

| Lab Sample ID     | Client Sample ID   | Prep Type         | Matrix | Method | Prep Batch |
|-------------------|--------------------|-------------------|--------|--------|------------|
| 752-38160-1       | MW-1               | Total Recoverable | Water  | 6020B  | 89911      |
| 752-38160-2       | MW-2               | Total Recoverable | Water  | 6020B  | 89911      |
| 752-38160-3       | MW-3               | Total Recoverable | Water  | 6020B  | 89911      |
| 752-38160-4       | MW-4               | Total Recoverable | Water  | 6020B  | 89911      |
| 752-38160-5       | MW-5               | Total Recoverable | Water  | 6020B  | 89911      |
| 752-38160-6       | MW-6               | Total Recoverable | Water  | 6020B  | 89911      |
| 752-38160-7       | MW-7               | Total Recoverable | Water  | 6020B  | 89911      |
| 752-38160-8       | MW-8               | Total Recoverable | Water  | 6020B  | 89911      |
| 752-38160-9       | MW-9               | Total Recoverable | Water  | 6020B  | 89911      |
| 752-38160-10      | 101525-DUP1        | Total Recoverable | Water  | 6020B  | 89911      |
| MB 705-89911/1-A  | Method Blank       | Total Recoverable | Water  | 6020B  | 89911      |
| LCS 705-89911/2-A | Lab Control Sample | Total Recoverable | Water  | 6020B  | 89911      |

### Prep Batch: 90609

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 752-38160-1       | MW-1               | Total/NA  | Water  | 7470A  |            |
| 752-38160-2       | MW-2               | Total/NA  | Water  | 7470A  |            |
| 752-38160-3       | MW-3               | Total/NA  | Water  | 7470A  |            |
| 752-38160-4       | MW-4               | Total/NA  | Water  | 7470A  |            |
| 752-38160-5       | MW-5               | Total/NA  | Water  | 7470A  |            |
| 752-38160-6       | MW-6               | Total/NA  | Water  | 7470A  |            |
| 752-38160-7       | MW-7               | Total/NA  | Water  | 7470A  |            |
| 752-38160-8       | MW-8               | Total/NA  | Water  | 7470A  |            |
| 752-38160-9       | MW-9               | Total/NA  | Water  | 7470A  |            |
| 752-38160-10      | 101525-DUP1        | Total/NA  | Water  | 7470A  |            |
| MB 705-90609/1-A  | Method Blank       | Total/NA  | Water  | 7470A  |            |
| LCS 705-90609/2-A | Lab Control Sample | Total/NA  | Water  | 7470A  |            |

### Analysis Batch: 90803

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 752-38160-1       | MW-1               | Total/NA  | Water  | 7470A  | 90609      |
| 752-38160-2       | MW-2               | Total/NA  | Water  | 7470A  | 90609      |
| 752-38160-3       | MW-3               | Total/NA  | Water  | 7470A  | 90609      |
| 752-38160-4       | MW-4               | Total/NA  | Water  | 7470A  | 90609      |
| 752-38160-5       | MW-5               | Total/NA  | Water  | 7470A  | 90609      |
| 752-38160-6       | MW-6               | Total/NA  | Water  | 7470A  | 90609      |
| 752-38160-7       | MW-7               | Total/NA  | Water  | 7470A  | 90609      |
| 752-38160-8       | MW-8               | Total/NA  | Water  | 7470A  | 90609      |
| 752-38160-9       | MW-9               | Total/NA  | Water  | 7470A  | 90609      |
| 752-38160-10      | 101525-DUP1        | Total/NA  | Water  | 7470A  | 90609      |
| MB 705-90609/1-A  | Method Blank       | Total/NA  | Water  | 7470A  | 90609      |
| LCS 705-90609/2-A | Lab Control Sample | Total/NA  | Water  | 7470A  | 90609      |

# QC Association Summary

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

Job ID: 752-38160-1

## Metals

### Analysis Batch: 92182

| Lab Sample ID | Client Sample ID | Prep Type         | Matrix | Method | Prep Batch |
|---------------|------------------|-------------------|--------|--------|------------|
| 752-38160-1   | MW-1             | Total Recoverable | Water  | 6020B  | 89911      |
| 752-38160-2   | MW-2             | Total Recoverable | Water  | 6020B  | 89911      |
| 752-38160-3   | MW-3             | Total Recoverable | Water  | 6020B  | 89911      |
| 752-38160-4   | MW-4             | Total Recoverable | Water  | 6020B  | 89911      |
| 752-38160-5   | MW-5             | Total Recoverable | Water  | 6020B  | 89911      |
| 752-38160-6   | MW-6             | Total Recoverable | Water  | 6020B  | 89911      |
| 752-38160-7   | MW-7             | Total Recoverable | Water  | 6020B  | 89911      |
| 752-38160-8   | MW-8             | Total Recoverable | Water  | 6020B  | 89911      |
| 752-38160-9   | MW-9             | Total Recoverable | Water  | 6020B  | 89911      |
| 752-38160-10  | 101525-DUP1      | Total Recoverable | Water  | 6020B  | 89911      |

## General Chemistry

### Analysis Batch: 13860

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 752-38160-1        | MW-1                   | Total/NA  | Water  | 353.2  |            |
| 752-38160-2        | MW-2                   | Total/NA  | Water  | 353.2  |            |
| 752-38160-3        | MW-3                   | Total/NA  | Water  | 353.2  |            |
| 752-38160-4        | MW-4                   | Total/NA  | Water  | 353.2  |            |
| 752-38160-5        | MW-5                   | Total/NA  | Water  | 353.2  |            |
| 752-38160-6        | MW-6                   | Total/NA  | Water  | 353.2  |            |
| 752-38160-7        | MW-7                   | Total/NA  | Water  | 353.2  |            |
| 752-38160-8        | MW-8                   | Total/NA  | Water  | 353.2  |            |
| 752-38160-9        | MW-9                   | Total/NA  | Water  | 353.2  |            |
| 752-38160-10       | 101525-DUP1            | Total/NA  | Water  | 353.2  |            |
| MB 752-13860/10    | Method Blank           | Total/NA  | Water  | 353.2  |            |
| MB 752-13860/53    | Method Blank           | Total/NA  | Water  | 353.2  |            |
| LCS 752-13860/13   | Lab Control Sample     | Total/NA  | Water  | 353.2  |            |
| LCS D 752-13860/69 | Lab Control Sample Dup | Total/NA  | Water  | 353.2  |            |
| 752-38160-10 MS    | 101525-DUP1            | Total/NA  | Water  | 353.2  |            |
| 752-38160-10 MSD   | 101525-DUP1            | Total/NA  | Water  | 353.2  |            |

### Analysis Batch: 13881

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method          | Prep Batch |
|---------------|------------------|-----------|--------|-----------------|------------|
| 752-38160-1   | MW-1             | Total/NA  | Water  | Nitrate by calc |            |
| 752-38160-2   | MW-2             | Total/NA  | Water  | Nitrate by calc |            |
| 752-38160-3   | MW-3             | Total/NA  | Water  | Nitrate by calc |            |
| 752-38160-4   | MW-4             | Total/NA  | Water  | Nitrate by calc |            |
| 752-38160-5   | MW-5             | Total/NA  | Water  | Nitrate by calc |            |
| 752-38160-6   | MW-6             | Total/NA  | Water  | Nitrate by calc |            |
| 752-38160-7   | MW-7             | Total/NA  | Water  | Nitrate by calc |            |
| 752-38160-8   | MW-8             | Total/NA  | Water  | Nitrate by calc |            |
| 752-38160-9   | MW-9             | Total/NA  | Water  | Nitrate by calc |            |
| 752-38160-10  | 101525-DUP1      | Total/NA  | Water  | Nitrate by calc |            |

### Analysis Batch: 727436

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method        | Prep Batch |
|---------------|------------------|-----------|--------|---------------|------------|
| 752-38160-1   | MW-1             | Total/NA  | Water  | SM 4500 SO4 E |            |
| 752-38160-2   | MW-2             | Total/NA  | Water  | SM 4500 SO4 E |            |
| 752-38160-3   | MW-3             | Total/NA  | Water  | SM 4500 SO4 E |            |
| 752-38160-4   | MW-4             | Total/NA  | Water  | SM 4500 SO4 E |            |

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# QC Association Summary

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

Job ID: 752-38160-1

## General Chemistry (Continued)

### Analysis Batch: 727436 (Continued)

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method        | Prep Batch |
|-------------------|--------------------|-----------|--------|---------------|------------|
| 752-38160-5       | MW-5               | Total/NA  | Water  | SM 4500 SO4 E |            |
| 752-38160-6       | MW-6               | Total/NA  | Water  | SM 4500 SO4 E |            |
| 752-38160-7       | MW-7               | Total/NA  | Water  | SM 4500 SO4 E |            |
| 752-38160-8       | MW-8               | Total/NA  | Water  | SM 4500 SO4 E |            |
| 752-38160-9       | MW-9               | Total/NA  | Water  | SM 4500 SO4 E |            |
| 752-38160-10      | 101525-DUP1        | Total/NA  | Water  | SM 4500 SO4 E |            |
| MB 400-727436/22  | Method Blank       | Total/NA  | Water  | SM 4500 SO4 E |            |
| LCS 400-727436/23 | Lab Control Sample | Total/NA  | Water  | SM 4500 SO4 E |            |
| MRL 400-727436/24 | Lab Control Sample | Total/NA  | Water  | SM 4500 SO4 E |            |
| 752-38160-1 MS    | MW-1               | Total/NA  | Water  | SM 4500 SO4 E |            |
| 752-38160-1 MSD   | MW-1               | Total/NA  | Water  | SM 4500 SO4 E |            |

### Analysis Batch: 727623

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method        | Prep Batch |
|-------------------|--------------------|-----------|--------|---------------|------------|
| 752-38160-1       | MW-1               | Total/NA  | Water  | SM 4500 NO3 F |            |
| 752-38160-2       | MW-2               | Total/NA  | Water  | SM 4500 NO3 F |            |
| 752-38160-3       | MW-3               | Total/NA  | Water  | SM 4500 NO3 F |            |
| 752-38160-4       | MW-4               | Total/NA  | Water  | SM 4500 NO3 F |            |
| 752-38160-5       | MW-5               | Total/NA  | Water  | SM 4500 NO3 F |            |
| 752-38160-6       | MW-6               | Total/NA  | Water  | SM 4500 NO3 F |            |
| 752-38160-7       | MW-7               | Total/NA  | Water  | SM 4500 NO3 F |            |
| 752-38160-8       | MW-8               | Total/NA  | Water  | SM 4500 NO3 F |            |
| 752-38160-9       | MW-9               | Total/NA  | Water  | SM 4500 NO3 F |            |
| 752-38160-10      | 101525-DUP1        | Total/NA  | Water  | SM 4500 NO3 F |            |
| MB 400-727623/48  | Method Blank       | Total/NA  | Water  | SM 4500 NO3 F |            |
| MB 400-727623/96  | Method Blank       | Total/NA  | Water  | SM 4500 NO3 F |            |
| LCS 400-727623/49 | Lab Control Sample | Total/NA  | Water  | SM 4500 NO3 F |            |
| LCS 400-727623/97 | Lab Control Sample | Total/NA  | Water  | SM 4500 NO3 F |            |
| MRL 400-727623/50 | Lab Control Sample | Total/NA  | Water  | SM 4500 NO3 F |            |
| 752-38160-6 MS    | MW-6               | Total/NA  | Water  | SM 4500 NO3 F |            |
| 752-38160-6 MSD   | MW-6               | Total/NA  | Water  | SM 4500 NO3 F |            |

### Analysis Batch: 728118

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 752-38160-1       | MW-1               | Total/NA  | Water  | 350.1  |            |
| 752-38160-2       | MW-2               | Total/NA  | Water  | 350.1  |            |
| 752-38160-3       | MW-3               | Total/NA  | Water  | 350.1  |            |
| 752-38160-4       | MW-4               | Total/NA  | Water  | 350.1  |            |
| 752-38160-5       | MW-5               | Total/NA  | Water  | 350.1  |            |
| 752-38160-6       | MW-6               | Total/NA  | Water  | 350.1  |            |
| 752-38160-7       | MW-7               | Total/NA  | Water  | 350.1  |            |
| 752-38160-8       | MW-8               | Total/NA  | Water  | 350.1  |            |
| 752-38160-9       | MW-9               | Total/NA  | Water  | 350.1  |            |
| 752-38160-10      | 101525-DUP1        | Total/NA  | Water  | 350.1  |            |
| MB 400-728118/67  | Method Blank       | Total/NA  | Water  | 350.1  |            |
| LCS 400-728118/68 | Lab Control Sample | Total/NA  | Water  | 350.1  |            |
| MRL 400-728118/18 | Lab Control Sample | Total/NA  | Water  | 350.1  |            |

# Lab Chronicle

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

Job ID: 752-38160-1

**Client Sample ID: MW-1**

**Lab Sample ID: 752-38160-1**

**Date Collected: 10/15/25 09:45**

**Matrix: Water**

**Date Received: 10/16/25 09:00**

| Prep Type         | Batch Type | Batch Method    | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-------------------|------------|-----------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA          | Analysis   | 8260D           |     | 1               | 727836       | RSG     | EET PEN | 10/23/25 15:20       |
| Total/NA          | Prep       | 3511            |     |                 | 727414       | AMM     | EET PEN | 10/20/25 11:48       |
| Total/NA          | Analysis   | 8270E           |     | 1               | 727805       | S1B     | EET PEN | 10/23/25 19:55       |
| Total/NA          | Prep       | 3510C           |     |                 | 727264       | STC     | EET PEN | 10/17/25 16:54       |
| Total/NA          | Analysis   | 8270E SIM ID    |     | 1               | 727576       | VC1     | EET PEN | 10/21/25 15:32       |
| Total Recoverable | Prep       | 3005A           |     |                 | 89911        | KB      | EET ATL | 10/21/25 17:35       |
| Total Recoverable | Analysis   | 6020B           |     | 1               | 90316        | IF      | EET ATL | 10/22/25 21:09       |
| Total Recoverable | Prep       | 3005A           |     |                 | 89911        | KB      | EET ATL | 10/21/25 17:35       |
| Total Recoverable | Analysis   | 6020B           |     | 1               | 92182        | IF      | EET ATL | 10/30/25 20:06       |
| Total/NA          | Prep       | 7470A           |     |                 | 90609        | GR      | EET ATL | 10/24/25 12:28       |
| Total/NA          | Analysis   | 7470A           |     | 1               | 90803        | GR      | EET ATL | 10/24/25 16:52       |
| Total/NA          | Analysis   | 350.1           |     | 1               | 728118       | CAC     | EET PEN | 10/24/25 12:37       |
| Total/NA          | Analysis   | 353.2           |     | 1               | 13860        | CB      | EET RAL | 10/16/25 16:27       |
| Total/NA          | Analysis   | Nitrate by calc |     | 1               | 13881        | LEB     | EET RAL | 10/21/25 09:48       |
| Total/NA          | Analysis   | SM 4500 NO3 F   |     | 1               | 727623       | EJT     | EET PEN | 10/21/25 19:05       |
| Total/NA          | Analysis   | SM 4500 SO4 E   |     | 1               | 727436       | CJK     | EET PEN | 10/20/25 11:55       |

**Client Sample ID: MW-2**

**Lab Sample ID: 752-38160-2**

**Date Collected: 10/15/25 10:50**

**Matrix: Water**

**Date Received: 10/16/25 09:00**

| Prep Type         | Batch Type | Batch Method    | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-------------------|------------|-----------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA          | Analysis   | 8260D           |     | 1               | 727836       | RSG     | EET PEN | 10/23/25 15:46       |
| Total/NA          | Prep       | 3511            |     |                 | 727414       | AMM     | EET PEN | 10/20/25 11:48       |
| Total/NA          | Analysis   | 8270E           |     | 1               | 727805       | S1B     | EET PEN | 10/23/25 20:27       |
| Total/NA          | Prep       | 3510C           |     |                 | 727264       | STC     | EET PEN | 10/17/25 16:54       |
| Total/NA          | Analysis   | 8270E SIM ID    |     | 1               | 727576       | VC1     | EET PEN | 10/21/25 15:54       |
| Total Recoverable | Prep       | 3005A           |     |                 | 89911        | KB      | EET ATL | 10/21/25 17:35       |
| Total Recoverable | Analysis   | 6020B           |     | 1               | 90316        | IF      | EET ATL | 10/22/25 21:11       |
| Total Recoverable | Prep       | 3005A           |     |                 | 89911        | KB      | EET ATL | 10/21/25 17:35       |
| Total Recoverable | Analysis   | 6020B           |     | 1               | 92182        | IF      | EET ATL | 10/30/25 20:09       |
| Total/NA          | Prep       | 7470A           |     |                 | 90609        | GR      | EET ATL | 10/24/25 12:28       |
| Total/NA          | Analysis   | 7470A           |     | 1               | 90803        | GR      | EET ATL | 10/24/25 16:56       |
| Total/NA          | Analysis   | 350.1           |     | 1               | 728118       | CAC     | EET PEN | 10/24/25 12:40       |
| Total/NA          | Analysis   | 353.2           |     | 1               | 13860        | CB      | EET RAL | 10/16/25 16:28       |
| Total/NA          | Analysis   | Nitrate by calc |     | 1               | 13881        | LEB     | EET RAL | 10/21/25 09:48       |
| Total/NA          | Analysis   | SM 4500 NO3 F   |     | 1               | 727623       | EJT     | EET PEN | 10/21/25 19:07       |
| Total/NA          | Analysis   | SM 4500 SO4 E   |     | 1               | 727436       | CJK     | EET PEN | 10/20/25 11:57       |

# Lab Chronicle

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

Job ID: 752-38160-1

**Client Sample ID: MW-3**  
**Date Collected: 10/15/25 13:15**  
**Date Received: 10/16/25 09:00**

**Lab Sample ID: 752-38160-3**  
**Matrix: Water**

| Prep Type         | Batch Type | Batch Method    | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-------------------|------------|-----------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA          | Analysis   | 8260D           |     | 1               | 727836       | RSG     | EET PEN | 10/23/25 16:13       |
| Total/NA          | Prep       | 3511            |     |                 | 727414       | AMM     | EET PEN | 10/20/25 11:48       |
| Total/NA          | Analysis   | 8270E           |     | 1               | 727805       | S1B     | EET PEN | 10/23/25 21:00       |
| Total/NA          | Prep       | 3510C           |     |                 | 727264       | STC     | EET PEN | 10/17/25 16:54       |
| Total/NA          | Analysis   | 8270E SIM ID    |     | 1               | 727576       | VC1     | EET PEN | 10/21/25 16:15       |
| Total Recoverable | Prep       | 3005A           |     |                 | 89911        | KB      | EET ATL | 10/21/25 17:35       |
| Total Recoverable | Analysis   | 6020B           |     | 1               | 90316        | IF      | EET ATL | 10/22/25 21:14       |
| Total Recoverable | Prep       | 3005A           |     |                 | 89911        | KB      | EET ATL | 10/21/25 17:35       |
| Total Recoverable | Analysis   | 6020B           |     | 1               | 92182        | IF      | EET ATL | 10/30/25 20:11       |
| Total/NA          | Prep       | 7470A           |     |                 | 90609        | GR      | EET ATL | 10/24/25 12:28       |
| Total/NA          | Analysis   | 7470A           |     | 1               | 90803        | GR      | EET ATL | 10/24/25 17:00       |
| Total/NA          | Analysis   | 350.1           |     | 1               | 728118       | CAC     | EET PEN | 10/24/25 12:42       |
| Total/NA          | Analysis   | 353.2           |     | 1               | 13860        | CB      | EET RAL | 10/16/25 16:29       |
| Total/NA          | Analysis   | Nitrate by calc |     | 1               | 13881        | LEB     | EET RAL | 10/21/25 09:48       |
| Total/NA          | Analysis   | SM 4500 NO3 F   |     | 1               | 727623       | EJT     | EET PEN | 10/21/25 19:09       |
| Total/NA          | Analysis   | SM 4500 SO4 E   |     | 1               | 727436       | CJK     | EET PEN | 10/20/25 11:58       |

**Client Sample ID: MW-4**  
**Date Collected: 10/15/25 12:40**  
**Date Received: 10/16/25 09:00**

**Lab Sample ID: 752-38160-4**  
**Matrix: Water**

| Prep Type         | Batch Type | Batch Method    | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-------------------|------------|-----------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA          | Analysis   | 8260D           |     | 1               | 727836       | RSG     | EET PEN | 10/23/25 16:40       |
| Total/NA          | Prep       | 3511            |     |                 | 727414       | AMM     | EET PEN | 10/20/25 11:48       |
| Total/NA          | Analysis   | 8270E           |     | 1               | 727805       | S1B     | EET PEN | 10/23/25 21:32       |
| Total/NA          | Prep       | 3510C           |     |                 | 727264       | STC     | EET PEN | 10/17/25 16:54       |
| Total/NA          | Analysis   | 8270E SIM ID    |     | 1               | 727576       | VC1     | EET PEN | 10/21/25 16:37       |
| Total Recoverable | Prep       | 3005A           |     |                 | 89911        | KB      | EET ATL | 10/21/25 17:35       |
| Total Recoverable | Analysis   | 6020B           |     | 1               | 90316        | IF      | EET ATL | 10/22/25 21:16       |
| Total Recoverable | Prep       | 3005A           |     |                 | 89911        | KB      | EET ATL | 10/21/25 17:35       |
| Total Recoverable | Analysis   | 6020B           |     | 1               | 92182        | IF      | EET ATL | 10/30/25 20:14       |
| Total/NA          | Prep       | 7470A           |     |                 | 90609        | GR      | EET ATL | 10/24/25 12:28       |
| Total/NA          | Analysis   | 7470A           |     | 1               | 90803        | GR      | EET ATL | 10/24/25 17:04       |
| Total/NA          | Analysis   | 350.1           |     | 1               | 728118       | CAC     | EET PEN | 10/24/25 12:45       |
| Total/NA          | Analysis   | 353.2           |     | 1               | 13860        | CB      | EET RAL | 10/16/25 16:30       |
| Total/NA          | Analysis   | Nitrate by calc |     | 1               | 13881        | LEB     | EET RAL | 10/21/25 09:48       |
| Total/NA          | Analysis   | SM 4500 NO3 F   |     | 1               | 727623       | EJT     | EET PEN | 10/21/25 19:10       |
| Total/NA          | Analysis   | SM 4500 SO4 E   |     | 1               | 727436       | CJK     | EET PEN | 10/20/25 11:58       |

# Lab Chronicle

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

Job ID: 752-38160-1

**Client Sample ID: MW-5**  
**Date Collected: 10/15/25 16:15**  
**Date Received: 10/16/25 09:00**

**Lab Sample ID: 752-38160-5**  
**Matrix: Water**

| Prep Type         | Batch Type | Batch Method    | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-------------------|------------|-----------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA          | Analysis   | 8260D           |     | 1               | 727836       | RSG     | EET PEN | 10/23/25 17:06       |
| Total/NA          | Prep       | 3511            |     |                 | 727414       | AMM     | EET PEN | 10/20/25 11:48       |
| Total/NA          | Analysis   | 8270E           |     | 1               | 727805       | S1B     | EET PEN | 10/23/25 22:05       |
| Total/NA          | Prep       | 3510C           |     |                 | 727264       | STC     | EET PEN | 10/17/25 16:54       |
| Total/NA          | Analysis   | 8270E SIM ID    |     | 1               | 727576       | VC1     | EET PEN | 10/21/25 16:59       |
| Total Recoverable | Prep       | 3005A           |     |                 | 89911        | KB      | EET ATL | 10/21/25 17:35       |
| Total Recoverable | Analysis   | 6020B           |     | 1               | 90316        | IF      | EET ATL | 10/22/25 21:19       |
| Total Recoverable | Prep       | 3005A           |     |                 | 89911        | KB      | EET ATL | 10/21/25 17:35       |
| Total Recoverable | Analysis   | 6020B           |     | 1               | 92182        | IF      | EET ATL | 10/30/25 20:37       |
| Total/NA          | Prep       | 7470A           |     |                 | 90609        | GR      | EET ATL | 10/24/25 12:28       |
| Total/NA          | Analysis   | 7470A           |     | 1               | 90803        | GR      | EET ATL | 10/24/25 17:07       |
| Total/NA          | Analysis   | 350.1           |     | 1               | 728118       | CAC     | EET PEN | 10/24/25 12:48       |
| Total/NA          | Analysis   | 353.2           |     | 1               | 13860        | CB      | EET RAL | 10/16/25 16:31       |
| Total/NA          | Analysis   | Nitrate by calc |     | 1               | 13881        | LEB     | EET RAL | 10/21/25 09:48       |
| Total/NA          | Analysis   | SM 4500 NO3 F   |     | 1               | 727623       | EJT     | EET PEN | 10/21/25 19:12       |
| Total/NA          | Analysis   | SM 4500 SO4 E   |     | 1               | 727436       | CJK     | EET PEN | 10/20/25 11:58       |

**Client Sample ID: MW-6**  
**Date Collected: 10/15/25 15:35**  
**Date Received: 10/16/25 09:00**

**Lab Sample ID: 752-38160-6**  
**Matrix: Water**

| Prep Type         | Batch Type | Batch Method    | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-------------------|------------|-----------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA          | Analysis   | 8260D           |     | 1               | 727836       | RSG     | EET PEN | 10/23/25 17:33       |
| Total/NA          | Prep       | 3511            |     |                 | 727414       | AMM     | EET PEN | 10/20/25 11:48       |
| Total/NA          | Analysis   | 8270E           |     | 1               | 727805       | S1B     | EET PEN | 10/23/25 22:36       |
| Total/NA          | Prep       | 3510C           |     |                 | 727264       | STC     | EET PEN | 10/17/25 16:54       |
| Total/NA          | Analysis   | 8270E SIM ID    |     | 1               | 727576       | VC1     | EET PEN | 10/21/25 17:20       |
| Total Recoverable | Prep       | 3005A           |     |                 | 89911        | KB      | EET ATL | 10/21/25 17:35       |
| Total Recoverable | Analysis   | 6020B           |     | 1               | 90316        | IF      | EET ATL | 10/22/25 21:36       |
| Total Recoverable | Prep       | 3005A           |     |                 | 89911        | KB      | EET ATL | 10/21/25 17:35       |
| Total Recoverable | Analysis   | 6020B           |     | 1               | 92182        | IF      | EET ATL | 10/30/25 20:40       |
| Total/NA          | Prep       | 7470A           |     |                 | 90609        | GR      | EET ATL | 10/24/25 12:28       |
| Total/NA          | Analysis   | 7470A           |     | 1               | 90803        | GR      | EET ATL | 10/24/25 17:11       |
| Total/NA          | Analysis   | 350.1           |     | 1               | 728118       | CAC     | EET PEN | 10/24/25 12:50       |
| Total/NA          | Analysis   | 353.2           |     | 1               | 13860        | CB      | EET RAL | 10/16/25 16:32       |
| Total/NA          | Analysis   | Nitrate by calc |     | 1               | 13881        | LEB     | EET RAL | 10/21/25 09:48       |
| Total/NA          | Analysis   | SM 4500 NO3 F   |     | 1               | 727623       | EJT     | EET PEN | 10/21/25 19:21       |
| Total/NA          | Analysis   | SM 4500 SO4 E   |     | 1               | 727436       | CJK     | EET PEN | 10/20/25 11:59       |

# Lab Chronicle

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

Job ID: 752-38160-1

**Client Sample ID: MW-7**

**Lab Sample ID: 752-38160-7**

**Date Collected: 10/15/25 15:00**

**Matrix: Water**

**Date Received: 10/16/25 09:00**

| Prep Type         | Batch Type | Batch Method    | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-------------------|------------|-----------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA          | Analysis   | 8260D           |     | 1               | 727836       | RSG     | EET PEN | 10/23/25 17:59       |
| Total/NA          | Prep       | 3511            |     |                 | 727414       | AMM     | EET PEN | 10/20/25 11:48       |
| Total/NA          | Analysis   | 8270E           |     | 1               | 727805       | S1B     | EET PEN | 10/23/25 23:08       |
| Total/NA          | Prep       | 3510C           |     |                 | 727264       | STC     | EET PEN | 10/17/25 16:54       |
| Total/NA          | Analysis   | 8270E SIM ID    |     | 1               | 727576       | VC1     | EET PEN | 10/21/25 17:42       |
| Total Recoverable | Prep       | 3005A           |     |                 | 89911        | KB      | EET ATL | 10/21/25 17:35       |
| Total Recoverable | Analysis   | 6020B           |     | 1               | 90316        | IF      | EET ATL | 10/22/25 21:38       |
| Total Recoverable | Prep       | 3005A           |     |                 | 89911        | KB      | EET ATL | 10/21/25 17:35       |
| Total Recoverable | Analysis   | 6020B           |     | 1               | 92182        | IF      | EET ATL | 10/30/25 20:42       |
| Total/NA          | Prep       | 7470A           |     |                 | 90609        | GR      | EET ATL | 10/24/25 12:28       |
| Total/NA          | Analysis   | 7470A           |     | 1               | 90803        | GR      | EET ATL | 10/24/25 17:27       |
| Total/NA          | Analysis   | 350.1           |     | 1               | 728118       | CAC     | EET PEN | 10/24/25 13:05       |
| Total/NA          | Analysis   | 353.2           |     | 1               | 13860        | CB      | EET RAL | 10/16/25 16:33       |
| Total/NA          | Analysis   | Nitrate by calc |     | 1               | 13881        | LEB     | EET RAL | 10/21/25 09:48       |
| Total/NA          | Analysis   | SM 4500 NO3 F   |     | 1               | 727623       | EJT     | EET PEN | 10/21/25 19:26       |
| Total/NA          | Analysis   | SM 4500 SO4 E   |     | 1               | 727436       | CJK     | EET PEN | 10/20/25 11:59       |

**Client Sample ID: MW-8**

**Lab Sample ID: 752-38160-8**

**Date Collected: 10/15/25 14:15**

**Matrix: Water**

**Date Received: 10/16/25 09:00**

| Prep Type         | Batch Type | Batch Method    | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-------------------|------------|-----------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA          | Analysis   | 8260D           |     | 1               | 727836       | RSG     | EET PEN | 10/23/25 18:26       |
| Total/NA          | Prep       | 3511            |     |                 | 727414       | AMM     | EET PEN | 10/20/25 11:48       |
| Total/NA          | Analysis   | 8270E           |     | 1               | 727805       | S1B     | EET PEN | 10/23/25 23:41       |
| Total/NA          | Prep       | 3510C           |     |                 | 727264       | STC     | EET PEN | 10/17/25 16:54       |
| Total/NA          | Analysis   | 8270E SIM ID    |     | 1               | 727576       | VC1     | EET PEN | 10/21/25 18:04       |
| Total Recoverable | Prep       | 3005A           |     |                 | 89911        | KB      | EET ATL | 10/21/25 17:35       |
| Total Recoverable | Analysis   | 6020B           |     | 1               | 90316        | IF      | EET ATL | 10/22/25 21:40       |
| Total Recoverable | Prep       | 3005A           |     |                 | 89911        | KB      | EET ATL | 10/21/25 17:35       |
| Total Recoverable | Analysis   | 6020B           |     | 1               | 92182        | IF      | EET ATL | 10/30/25 20:45       |
| Total/NA          | Prep       | 7470A           |     |                 | 90609        | GR      | EET ATL | 10/24/25 12:28       |
| Total/NA          | Analysis   | 7470A           |     | 1               | 90803        | GR      | EET ATL | 10/24/25 17:31       |
| Total/NA          | Analysis   | 350.1           |     | 1               | 728118       | CAC     | EET PEN | 10/24/25 13:06       |
| Total/NA          | Analysis   | 353.2           |     | 1               | 13860        | CB      | EET RAL | 10/16/25 16:34       |
| Total/NA          | Analysis   | Nitrate by calc |     | 1               | 13881        | LEB     | EET RAL | 10/21/25 09:48       |
| Total/NA          | Analysis   | SM 4500 NO3 F   |     | 1               | 727623       | EJT     | EET PEN | 10/21/25 19:28       |
| Total/NA          | Analysis   | SM 4500 SO4 E   |     | 1               | 727436       | CJK     | EET PEN | 10/20/25 12:00       |

# Lab Chronicle

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

Job ID: 752-38160-1

**Client Sample ID: MW-9**

**Lab Sample ID: 752-38160-9**

**Date Collected: 10/15/25 11:40**

**Matrix: Water**

**Date Received: 10/16/25 09:00**

| Prep Type         | Batch Type | Batch Method    | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-------------------|------------|-----------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA          | Analysis   | 8260D           |     | 1               | 727836       | RSG     | EET PEN | 10/23/25 18:53       |
| Total/NA          | Prep       | 3511            |     |                 | 727414       | AMM     | EET PEN | 10/20/25 11:48       |
| Total/NA          | Analysis   | 8270E           |     | 1               | 727805       | S1B     | EET PEN | 10/24/25 00:13       |
| Total/NA          | Prep       | 3510C           |     |                 | 727264       | STC     | EET PEN | 10/17/25 16:54       |
| Total/NA          | Analysis   | 8270E SIM ID    |     | 1               | 727576       | VC1     | EET PEN | 10/21/25 18:25       |
| Total Recoverable | Prep       | 3005A           |     |                 | 89911        | KB      | EET ATL | 10/21/25 17:35       |
| Total Recoverable | Analysis   | 6020B           |     | 1               | 90316        | IF      | EET ATL | 10/22/25 21:43       |
| Total Recoverable | Prep       | 3005A           |     |                 | 89911        | KB      | EET ATL | 10/21/25 17:35       |
| Total Recoverable | Analysis   | 6020B           |     | 1               | 92182        | IF      | EET ATL | 10/30/25 20:48       |
| Total/NA          | Prep       | 7470A           |     |                 | 90609        | GR      | EET ATL | 10/24/25 12:28       |
| Total/NA          | Analysis   | 7470A           |     | 1               | 90803        | GR      | EET ATL | 10/24/25 17:35       |
| Total/NA          | Analysis   | 350.1           |     | 1               | 728118       | CAC     | EET PEN | 10/24/25 13:09       |
| Total/NA          | Analysis   | 353.2           |     | 1               | 13860        | CB      | EET RAL | 10/16/25 16:35       |
| Total/NA          | Analysis   | Nitrate by calc |     | 1               | 13881        | LEB     | EET RAL | 10/21/25 09:48       |
| Total/NA          | Analysis   | SM 4500 NO3 F   |     | 1               | 727623       | EJT     | EET PEN | 10/21/25 19:30       |
| Total/NA          | Analysis   | SM 4500 SO4 E   |     | 1               | 727436       | CJK     | EET PEN | 10/20/25 12:00       |

**Client Sample ID: 101525-DUP1**

**Lab Sample ID: 752-38160-10**

**Date Collected: 10/15/25 00:00**

**Matrix: Water**

**Date Received: 10/16/25 09:00**

| Prep Type         | Batch Type | Batch Method    | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-------------------|------------|-----------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA          | Analysis   | 8260D           |     | 1               | 727836       | RSG     | EET PEN | 10/23/25 19:19       |
| Total/NA          | Prep       | 3511            |     |                 | 727342       | JPH     | EET PEN | 10/19/25 13:42       |
| Total/NA          | Analysis   | 8270E           |     | 1               | 728273       | UI      | EET PEN | 10/27/25 21:51       |
| Total/NA          | Prep       | 3510C           |     |                 | 727264       | STC     | EET PEN | 10/17/25 16:54       |
| Total/NA          | Analysis   | 8270E SIM ID    |     | 1               | 727576       | VC1     | EET PEN | 10/21/25 18:47       |
| Total Recoverable | Prep       | 3005A           |     |                 | 89911        | KB      | EET ATL | 10/21/25 17:35       |
| Total Recoverable | Analysis   | 6020B           |     | 1               | 90316        | IF      | EET ATL | 10/22/25 21:45       |
| Total Recoverable | Prep       | 3005A           |     |                 | 89911        | KB      | EET ATL | 10/21/25 17:35       |
| Total Recoverable | Analysis   | 6020B           |     | 1               | 92182        | IF      | EET ATL | 10/30/25 20:50       |
| Total/NA          | Prep       | 7470A           |     |                 | 90609        | GR      | EET ATL | 10/24/25 12:28       |
| Total/NA          | Analysis   | 7470A           |     | 1               | 90803        | GR      | EET ATL | 10/24/25 17:39       |
| Total/NA          | Analysis   | 350.1           |     | 1               | 728118       | CAC     | EET PEN | 10/24/25 13:12       |
| Total/NA          | Analysis   | 353.2           |     | 1               | 13860        | CB      | EET RAL | 10/16/25 16:38       |
| Total/NA          | Analysis   | Nitrate by calc |     | 1               | 13881        | LEB     | EET RAL | 10/21/25 09:48       |
| Total/NA          | Analysis   | SM 4500 NO3 F   |     | 1               | 727623       | EJT     | EET PEN | 10/21/25 19:31       |
| Total/NA          | Analysis   | SM 4500 SO4 E   |     | 1               | 727436       | CJK     | EET PEN | 10/20/25 12:01       |

# Lab Chronicle

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

Job ID: 752-38160-1

**Client Sample ID: Trip Blank**

**Lab Sample ID: 752-38160-11**

**Date Collected: 10/15/25 00:00**

**Matrix: Water**

**Date Received: 10/16/25 09:00**

| <u>Prep Type</u> | <u>Batch Type</u> | <u>Batch Method</u> | <u>Run</u> | <u>Dilution Factor</u> | <u>Batch Number</u> | <u>Analyst</u> | <u>Lab</u> | <u>Prepared or Analyzed</u> |
|------------------|-------------------|---------------------|------------|------------------------|---------------------|----------------|------------|-----------------------------|
| Total/NA         | Analysis          | 8260D               |            | 1                      | 727836              | RSG            | EET PEN    | 10/23/25 19:46              |

**Laboratory References:**

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

EET RAL = Eurofins Raleigh, 104 Woodwinds Industrial Court, Suite A, Cary, NC 27511, TEL (919)467-3090



# Accreditation/Certification Summary

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

Job ID: 752-38160-1

## Laboratory: Eurofins Raleigh

The accreditations/certifications listed below are applicable to this report.

| Authority              | Program | Identification Number | Expiration Date |
|------------------------|---------|-----------------------|-----------------|
| North Carolina (WW/SW) | State   | 591                   | 12-31-25        |

## Laboratory: Eurofins Atlanta

The accreditations/certifications listed below are applicable to this report.

| Authority              | Program | Identification Number | Expiration Date |
|------------------------|---------|-----------------------|-----------------|
| North Carolina (WW/SW) | State   | 562                   | 12-31-25        |

## Laboratory: Eurofins Pensacola

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority              | Program | Identification Number | Expiration Date |
|------------------------|---------|-----------------------|-----------------|
| North Carolina (WW/SW) | State   | 314                   | 12-31-25        |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte            |
|-----------------|-------------|--------|--------------------|
| 8260D           |             | Water  | Hexane             |
| 8260D           |             | Water  | n-Heptane          |
| 8270E           | 3511        | Water  | 3 & 4 Methylphenol |
| 8270E           | 3511        | Water  | 4-Nitrophenol      |

# Method Summary

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

Job ID: 752-38160-1

| Method          | Method Description  | Protocol | Laboratory |
|-----------------|---|----------|------------|
| 8260D           | Volatile Organic Compounds by GC/MS                           | SW846    | EET PEN    |
| 8270E           | Semivolatile Organic Compounds (GC-MS/MS)                     | SW846    | EET PEN    |
| 8270E SIM ID    | Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) | SW846    | EET PEN    |
| 6020B           | Metals (ICP/MS)   | SW846    | EET ATL    |
| 7470A           | Mercury (CVAA)  | SW846    | EET ATL    |
| 350.1           | Nitrogen, Ammonia   | EPA      | EET PEN    |
| 353.2           | Nitrogen, Nitrite   | EPA      | EET RAL    |
| Nitrate by calc | Nitrogen, Nitrate-Nitrite                                     | SM       | EET RAL    |
| SM 4500 NO3 F   | Nitrogen, Nitrate-Nitrite                                     | SM       | EET PEN    |
| SM 4500 SO4 E   | Sulfate, Total  | SM       | EET PEN    |
| 3005A           | Preparation, Total Recoverable or Dissolved Metals            | SW846    | EET ATL    |
| 3510C           | Liquid-Liquid Extraction (Separatory Funnel)                  | SW846    | EET PEN    |
| 3511            | Microextraction of Organic Compounds                          | SW846    | EET PEN    |
| 5030C           | Purge and Trap  | SW846    | EET PEN    |
| 7470A           | Preparation, Mercury  | SW846    | EET ATL    |

#### Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

#### Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

EET RAL = Eurofins Raleigh, 104 Woodwinds Industrial Court, Suite A, Cary, NC 27511, TEL (919)467-3090

# Sample Summary

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

Job ID: 752-38160-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Sample Origin  |
|---------------|------------------|--------|----------------|----------------|----------------|
| 752-38160-1   | MW-1             | Water  | 10/15/25 09:45 | 10/16/25 09:00 | North Carolina |
| 752-38160-2   | MW-2             | Water  | 10/15/25 10:50 | 10/16/25 09:00 | North Carolina |
| 752-38160-3   | MW-3             | Water  | 10/15/25 13:15 | 10/16/25 09:00 | North Carolina |
| 752-38160-4   | MW-4             | Water  | 10/15/25 12:40 | 10/16/25 09:00 | North Carolina |
| 752-38160-5   | MW-5             | Water  | 10/15/25 16:15 | 10/16/25 09:00 | North Carolina |
| 752-38160-6   | MW-6             | Water  | 10/15/25 15:35 | 10/16/25 09:00 | North Carolina |
| 752-38160-7   | MW-7             | Water  | 10/15/25 15:00 | 10/16/25 09:00 | North Carolina |
| 752-38160-8   | MW-8             | Water  | 10/15/25 14:15 | 10/16/25 09:00 | North Carolina |
| 752-38160-9   | MW-9             | Water  | 10/15/25 11:40 | 10/16/25 09:00 | North Carolina |
| 752-38160-10  | 101525-DUP1      | Water  | 10/15/25 00:00 | 10/16/25 09:00 | North Carolina |
| 752-38160-11  | Trip Blank       | Water  | 10/15/25 00:00 | 10/16/25 09:00 | North Carolina |

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**Eurofins Raleigh**

104 Woodwinds Industrial Court Suite A  
Cary, NC 27511  
Phone (919) 467-3090

**Chain of Custody Record**

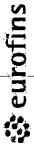


Environment Testing

|  |                             |  |   |   |  |                                     |  |  |  |  |                                 |  |   |   |                                 |                                      |                        |  |  |  |  |  |  |  |  |   |  |
|--|-----------------------------|--|---|---|--|-------------------------------------|--|--|--|--|---------------------------------|--|---|---|---------------------------------|--------------------------------------|------------------------|--|--|--|--|--|--|--|--|---|--|
| <b>Client Information</b>  |                             | Sampler: <u>Chase Porter</u>                 |   | Lab PM: <u>Bechtold, Chad</u>   |  | Carrier Tracking No(s):             |  | COC No: <u>680-170209-59869.1</u>  |  |  |                                 |  |   |   |                                 |                                      |                        |  |  |  |  |  |  |  |  |   |  |
| Client Contact: <u>Jerry Paul</u>  |                             | Phone: <u>(836)337-7899</u>                  |   | E-Mail: <u>Chad.Bechtold@et.eurofinsus.com</u>  |  | State of Origin:                    |  | Page: <u>1 of 1</u>  |  |  |                                 |  |   |   |                                 |                                      |                        |  |  |  |  |  |  |  |  |   |  |
| Company: <u>S&amp;M Inc</u>  |                             | PWSID:                                       |   | <b>Analysis Requested</b>   |  |                                     |  |  |  | Job #:   |                                 |  |   |   |                                 |                                      |                        |  |  |  |  |  |  |  |  |   |  |
| Address: <u>3201 Spring Forest Road</u>  |                             | Due Date Requested:                          |   | <table border="1"> <tr> <td>Field Filtered Sample (Yes or No)</td> <td>8270E_QQQ - SVOC TCL OLMA.2</td> <td>8270E_SHM_JD_D5 - 1,4 Dioxane</td> <td>350.1 - Ammonia as N; 353.2 - NOx, Nitrate_Calc</td> <td>8260D - VOC NC O2L List</td> <td>6020B - PRLF Metals; 7470A - Hg</td> <td>353.2 Nitrite - Nitrite (48 Hour HT)</td> <td>SM4600_SO4_E - Sulfate</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> |  |                                     |  |  |  | Field Filtered Sample (Yes or No)  | 8270E_QQQ - SVOC TCL OLMA.2     | 8270E_SHM_JD_D5 - 1,4 Dioxane  | 350.1 - Ammonia as N; 353.2 - NOx, Nitrate_Calc | 8260D - VOC NC O2L List                                 | 6020B - PRLF Metals; 7470A - Hg | 353.2 Nitrite - Nitrite (48 Hour HT) | SM4600_SO4_E - Sulfate |  |  |  |  |  |  |  |  | Preservation Codes:<br>N - None<br>S - H2SO4<br>A - HCL<br>D - HNO3 |  |
| Field Filtered Sample (Yes or No)  | 8270E_QQQ - SVOC TCL OLMA.2 | 8270E_SHM_JD_D5 - 1,4 Dioxane                | 350.1 - Ammonia as N; 353.2 - NOx, Nitrate_Calc |   |  |                                     |  |  |  | 8260D - VOC NC O2L List  | 6020B - PRLF Metals; 7470A - Hg | 353.2 Nitrite - Nitrite (48 Hour HT)   | SM4600_SO4_E - Sulfate                          |   |                                 |                                      |                        |  |  |  |  |  |  |  |  |   |  |
|  |                             |  |   |   |  |                                     |  |  |  |  |                                 |  |   |   |                                 |                                      |                        |  |  |  |  |  |  |  |  |   |  |
| City: <u>Raleigh</u>   |                             | TAT Requested (days):<br><u>STANDARD TAT</u> |   |   |  |                                     |  |  |  | Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  |                                 | Other: <br><u>752-38160 COC</u> |   |   |                                 |                                      |                        |  |  |  |  |  |  |  |  |   |  |
| State, Zip: <u>NC, 27616</u>   |                             | PO #: <u>23050630B1</u>                      |   |   |  |                                     |  |  |  | Project #: <u>68026680</u>   |                                 | SSOW#:   |   | Special Instructions/Note:<br><u>NO DER EQ. IS EDDs</u> |                                 |                                      |                        |  |  |  |  |  |  |  |  |   |  |
| Phone: <u>919-872-2660(Tel) 919-876-3958(Fax)</u>  |                             | WO #:  |   | Project Name: <u>East Durham Park</u>   |  | Site:                               |  |  |  |  |                                 |  |   |   |                                 |                                      |                        |  |  |  |  |  |  |  |  |   |  |
| Email: <u>jpaul@smeinc.com</u>   |                             |  |   |   |  |                                     |  |  |  |  |                                 |  |   |   |                                 |                                      |                        |  |  |  |  |  |  |  |  |   |  |
| Project Name: <u>East Durham Park</u>  |                             |  |   |   |  |                                     |  |  |  |  |                                 |  |   |   |                                 |                                      |                        |  |  |  |  |  |  |  |  |   |  |
| Site:  |                             |  |   |   |  |                                     |  |  |  |  |                                 |  |   |   |                                 |                                      |                        |  |  |  |  |  |  |  |  |   |  |
| <b>Sample Identification</b>   |                             | <b>Sample Date</b>                           |   | <b>Sample Time</b>  |  | <b>Sample Type (C=comp, G=grab)</b> |  | <b>Matrix (W=water, S=solid, O=soil, BT=Bottom, AA=Air, DW=Drinking Water)</b> |  | <b>Field Filtered Sample (Yes or No)</b>   |                                 | <b>Preservation Code:</b>  |   |   |                                 |                                      |                        |  |  |  |  |  |  |  |  |   |  |
|  |                             |  |   |   |  |                                     |  |  |  |  |                                 |  |   |   |                                 |                                      |                        |  |  |  |  |  |  |  |  |   |  |
| <u>MW-1</u>  |                             | <u>10/15/25</u>                              |   | <u>0945</u>   |  | <u>G</u>                            |  | <u>W</u>   |  |  |                                 | <u>X</u>   |   |   |                                 |                                      |                        |  |  |  |  |  |  |  |  |   |  |
| <u>MW-2</u>  |                             | <u>1050</u>                                  |   | <u>G</u>  |  | <u>W</u>                            |  |  |  |  |                                 | <u>X</u>   |   |   |                                 |                                      |                        |  |  |  |  |  |  |  |  |   |  |
| <u>MW-3</u>  |                             | <u>1315</u>                                  |   | <u>G</u>  |  | <u>W</u>                            |  |  |  |  |                                 | <u>X</u>   |   |   |                                 |                                      |                        |  |  |  |  |  |  |  |  |   |  |
| <u>MW-4</u>  |                             | <u>1240</u>                                  |   | <u>G</u>  |  | <u>W</u>                            |  |  |  |  |                                 | <u>X</u>   |   |   |                                 |                                      |                        |  |  |  |  |  |  |  |  |   |  |
| <u>MW-5</u>  |                             | <u>1615</u>                                  |   | <u>G</u>  |  | <u>W</u>                            |  |  |  |  |                                 | <u>X</u>   |   |   |                                 |                                      |                        |  |  |  |  |  |  |  |  |   |  |
| <u>MW-6</u>  |                             | <u>1535</u>                                  |   | <u>G</u>  |  | <u>W</u>                            |  |  |  |  |                                 | <u>X</u>   |   |   |                                 |                                      |                        |  |  |  |  |  |  |  |  |   |  |
| <u>MW-7</u>  |                             | <u>1500</u>                                  |   | <u>G</u>  |  | <u>W</u>                            |  |  |  |  |                                 | <u>X</u>   |   |   |                                 |                                      |                        |  |  |  |  |  |  |  |  |   |  |
| <u>MW-8</u>  |                             | <u>1415</u>                                  |   | <u>G</u>  |  | <u>W</u>                            |  |  |  |  |                                 | <u>X</u>   |   |   |                                 |                                      |                        |  |  |  |  |  |  |  |  |   |  |
| <u>MW-9</u>  |                             | <u>1140</u>                                  |   | <u>G</u>  |  | <u>W</u>                            |  |  |  |  |                                 | <u>X</u>   |   |   |                                 |                                      |                        |  |  |  |  |  |  |  |  |   |  |
| <u>101925-DUP A</u>  |                             | <u>-</u>                                     |   | <u>-</u>  |  | <u>G</u>                            |  | <u>W</u>   |  |  |                                 | <u>X</u>   |   |   |                                 |                                      |                        |  |  |  |  |  |  |  |  |   |  |
| <u>TREP BLANK</u>  |                             | <u>-</u>                                     |   | <u>-</u>  |  | <u>-</u>                            |  | <u>-</u>   |  |  |                                 | <u>-</u>   |   |   |                                 |                                      |                        |  |  |  |  |  |  |  |  |   |  |
| <b>Possible Hazard Identification</b>  |                             |  |   |   |  |                                     |  |  |  | <b>Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)</b>  |                                 |  |   |   |                                 |                                      |                        |  |  |  |  |  |  |  |  |   |  |
| <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological |                             |  |   |   |  |                                     |  |  |  | <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months |                                 |  |   |   |                                 |                                      |                        |  |  |  |  |  |  |  |  |   |  |
| Deliverable Requested: I, II, III, IV, Other (specify)   |                             |  |   |   |  |                                     |  |  |  | Special Instructions/QC Requirements:  |                                 |  |   |   |                                 |                                      |                        |  |  |  |  |  |  |  |  |   |  |
| Empty Kit Relinquished by:   |                             |  |   | Date:   |  | Time:                               |  | Method of Shipment:  |  |  |                                 |  |   |   |                                 |                                      |                        |  |  |  |  |  |  |  |  |   |  |
| Relinquished by: <u>[Signature]</u>  |                             |  |   | Date/Time: <u>10/15/25 1750</u>   |  | Company:                            |  | Received by: <u>DW</u>   |  | Date/Time: <u>10-16-25 - 9:00AM</u>  |                                 | Company:   |   |   |                                 |                                      |                        |  |  |  |  |  |  |  |  |   |  |
| Relinquished by:   |                             |  |   | Date/Time:  |  | Company:                            |  | Received by:   |  | Date/Time:   |                                 | Company:   |   |   |                                 |                                      |                        |  |  |  |  |  |  |  |  |   |  |
| Relinquished by:   |                             |  |   | Date/Time:  |  | Company:                            |  | Received by:   |  | Date/Time:   |                                 | Company:   |   |   |                                 |                                      |                        |  |  |  |  |  |  |  |  |   |  |
| Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  |                             | Custody Seal No.:                            |   | Cooler Temperature(s) °C and Other Remarks:   |  |                                     |  |  |  |  |                                 |  |   |   |                                 |                                      |                        |  |  |  |  |  |  |  |  |   |  |

Initial Temperature: 34.2°C  
Correction Factor: -0.4°C  
Corrected Temperature: 3.8°C  
Temp IR Gun: CRY-T-132  
Initials: RY BR PG DW DO HH

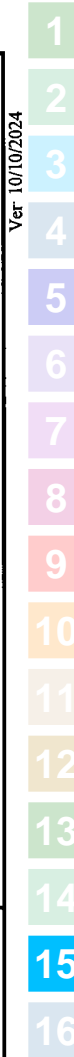
# Chain of Custody Record



| <b>Client Information (Sub Contract Lab)</b>   |                        | Sampler: N/A   | Lab Piv: Bechtold, Chad  | Carrier Tracking No(s): N/A  | COC No: 752-6968.1   |  |             |             |                              |  |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |
|--|------------------------|--|--|--|--|--|-------------|-------------|------------------------------|--|--------------------|----------|---------------|---|-------|--------------------|----------|---------------|---|-------|--------------------|----------|---------------|---|-------|--------------------|----------|---------------|---|-------|--------------------|----------|---------------|---|-------|--------------------|----------|---------------|---|-------|--------------------|----------|---------------|---|-------|--------------------|----------|---------------|---|-------|--------------------|----------|---------------|---|-------|
| Client Contact: Shipping/Receiving   |                        | Phone: N/A   | E-Mail: Chad.Bechtold@et.eurofins.com                              | State of Origin: North Carolina  | Page: Page 1 of 2  |  |             |             |                              |  |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |
| Company: Eurofins Environment Testing Southeast L  |                        | Due Date Requested: 10/24/2025   | Accreditations Required (See note): State - North Carolina (VW/SW) | Job #: 752-38160-1   | Preservation Codes: -                                      |  |             |             |                              |  |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |
| Address: 3355 McLemore Drive, Pensacola, FL 32514  |                        | TAT Requested (days): N/A  | Analysis Requested   | 8260P/5030C VOC NC 02L List<br>8270E_QQ/351(MOD) SVOC TCL OL M4.2<br>8270E_SIM_ID/05/3510C_LV11,4 Dioxane<br>350, Tammonia as N<br>SM4500_SO4 E<br>Field Filter (Sample, Yes/No)<br>Perform MSD (Yes/No) |  |  |             |             |                              |  |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |
| PO #: N/A  | WO #: N/A              | Project #: 68026680  | SSOW #: N/A  | Special Instructions/Note: Other: N/A  |  |  |             |             |                              |  |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |
| Project Name: East Durham Park   |                        | Sample Date  | Sample Time  | Sample Type (C=Comp, G=grab)   | Matrix (W=water, S=solid, O=wastewat, BT=biotissue, A=air) |  |             |             |                              |  |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |
| Site: N/A  |                        | <table border="1"> <thead> <tr> <th>Sample Identification - Client ID (Lab ID)</th> <th>Sample Date</th> <th>Sample Time</th> <th>Sample Type (C=Comp, G=grab)</th> <th>Matrix (W=water, S=solid, O=wastewat, BT=biotissue, A=air)</th> </tr> </thead> <tbody> <tr> <td>MW-1 (752-38160-1)</td> <td>10/15/25</td> <td>09:45 Eastern</td> <td>G</td> <td>Water</td> </tr> <tr> <td>MW-2 (752-38160-2)</td> <td>10/15/25</td> <td>10:50 Eastern</td> <td>G</td> <td>Water</td> </tr> <tr> <td>MW-3 (752-38160-3)</td> <td>10/15/25</td> <td>13:15 Eastern</td> <td>G</td> <td>Water</td> </tr> <tr> <td>MW-4 (752-38160-4)</td> <td>10/15/25</td> <td>12:40 Eastern</td> <td>G</td> <td>Water</td> </tr> <tr> <td>MW-5 (752-38160-5)</td> <td>10/15/25</td> <td>16:15 Eastern</td> <td>G</td> <td>Water</td> </tr> <tr> <td>MW-6 (752-38160-6)</td> <td>10/15/25</td> <td>15:35 Eastern</td> <td>G</td> <td>Water</td> </tr> <tr> <td>MW-7 (752-38160-7)</td> <td>10/15/25</td> <td>15:00 Eastern</td> <td>G</td> <td>Water</td> </tr> <tr> <td>MW-8 (752-38160-8)</td> <td>10/15/25</td> <td>14:15 Eastern</td> <td>G</td> <td>Water</td> </tr> <tr> <td>MW-9 (752-38160-9)</td> <td>10/15/25</td> <td>11:40 Eastern</td> <td>G</td> <td>Water</td> </tr> </tbody> </table> |  |  |  | Sample Identification - Client ID (Lab ID) | Sample Date | Sample Time | Sample Type (C=Comp, G=grab) | Matrix (W=water, S=solid, O=wastewat, BT=biotissue, A=air) | MW-1 (752-38160-1) | 10/15/25 | 09:45 Eastern | G | Water | MW-2 (752-38160-2) | 10/15/25 | 10:50 Eastern | G | Water | MW-3 (752-38160-3) | 10/15/25 | 13:15 Eastern | G | Water | MW-4 (752-38160-4) | 10/15/25 | 12:40 Eastern | G | Water | MW-5 (752-38160-5) | 10/15/25 | 16:15 Eastern | G | Water | MW-6 (752-38160-6) | 10/15/25 | 15:35 Eastern | G | Water | MW-7 (752-38160-7) | 10/15/25 | 15:00 Eastern | G | Water | MW-8 (752-38160-8) | 10/15/25 | 14:15 Eastern | G | Water | MW-9 (752-38160-9) | 10/15/25 | 11:40 Eastern | G | Water |
| Sample Identification - Client ID (Lab ID)   | Sample Date            | Sample Time  | Sample Type (C=Comp, G=grab)                                       | Matrix (W=water, S=solid, O=wastewat, BT=biotissue, A=air)   |  |  |             |             |                              |  |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |
| MW-1 (752-38160-1)   | 10/15/25               | 09:45 Eastern  | G  | Water  |  |  |             |             |                              |  |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |
| MW-2 (752-38160-2)   | 10/15/25               | 10:50 Eastern  | G  | Water  |  |  |             |             |                              |  |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |
| MW-3 (752-38160-3)   | 10/15/25               | 13:15 Eastern  | G  | Water  |  |  |             |             |                              |  |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |
| MW-4 (752-38160-4)   | 10/15/25               | 12:40 Eastern  | G  | Water  |  |  |             |             |                              |  |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |
| MW-5 (752-38160-5)   | 10/15/25               | 16:15 Eastern  | G  | Water  |  |  |             |             |                              |  |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |
| MW-6 (752-38160-6)   | 10/15/25               | 15:35 Eastern  | G  | Water  |  |  |             |             |                              |  |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |
| MW-7 (752-38160-7)   | 10/15/25               | 15:00 Eastern  | G  | Water  |  |  |             |             |                              |  |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |
| MW-8 (752-38160-8)   | 10/15/25               | 14:15 Eastern  | G  | Water  |  |  |             |             |                              |  |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |
| MW-9 (752-38160-9)   | 10/15/25               | 11:40 Eastern  | G  | Water  |  |  |             |             |                              |  |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |
| Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/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. |                        |  |  |  |  |  |             |             |                              |  |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |
| <b>Possible Hazard Identification</b><br>Unconfirmed <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For <input type="checkbox"/> Months   |                        |  |  |  |  |  |             |             |                              |  |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |
| Deliverable Requested 1, II, III, IV, Other (specify) Primary Deliverable Rank 2   |                        |  |  |  |  |  |             |             |                              |  |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |
| Empty Kit Relinquished by _____ Date _____ Method of Shipment _____  |                        |  |  |  |  |  |             |             |                              |  |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |
| Relinquished by: <i>fl</i>   | Date/Time: 10/16/25    | 15:30  | Company: _____   | Received by: _____   | Date/Time: _____   |  |             |             |                              |  |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |
| Relinquished by: _____   | Date/Time: _____       | _____  | Company: _____   | Received by: _____   | Date/Time: _____   |  |             |             |                              |  |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |
| Relinquished by: _____   | Date/Time: _____       | _____  | Company: _____   | Received by: <i>CP2</i>  | Date/Time: 10/17/25 9:29                                   |  |             |             |                              |  |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |
| Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No   | Custody Seal No. _____ | _____  | _____  | Cooler Temperature(s) °C and Other Remarks: 17.17, 17.50, 13, 2.2, 2.8   | _____  |  |             |             |                              |  |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |                    |          |               |   |       |



|  |                     |   |   |                                     |                     |
|--|---------------------|---|---|-------------------------------------|---------------------|
| <b>Client Information (Sub Contract Lab)</b>   |                     | Sampler: N/A  | Lab PM: Bechtold, Chad  | Carrier Tracking No(s): N/A         | COC No: 752-6968.2  |
| Client Contact: Shipping/Receiving   |                     | Phone: N/A  | E-Mail: Chad.Bechtold@et.eurofins.com   | State of Origin: North Carolina     | Page: Page 2 of 2   |
| Company: Eurofins Environment Testing Southeast L  |                     | Accreditations Required (See note): State - North Carolina (WWW/SW) |   | Job #: 752-38160-1                  | Preservation Codes: |
| Address: 3355 McLemore Drive,  |                     | Due Date Requested: 10/24/2025                                      |   | Analysis Requested                  |                     |
| City: Pensacola  | State: FL           | Zip: 32514  | TAT Requested (days): N/A   | 8290D/5030C VOC NC 02L List         |                     |
| Phone: 850-474-1001 (Tel) 850-478-2671 (Fax)   | PO #: N/A           | WO #: N/A   | Matrix: (W=water, S=solid, O=wastewater, BT=tissue, A=air)  | 8270E_QQ/Q351(MOD) SVOC TCL OL M4.2 |                     |
| Email: N/A   | Project #: 68026680 | SSOW#: N/A  | Sample Type (C=Comp, G=grab)  | 350,1Ammonia as N                   |                     |
| Project Name: East Durham Park   | Site: N/A           | Sample Date   | Sample Time   | 8270E_SIM_ID_D5J510C_LVH1,4 Dioxane |                     |
| Sample Identification - Client ID (Lab ID)   | Sample Date         | Sample Time   | Matrix  | SM4500_SO4 E                        |                     |
| 101525-DUP1 (752-38160-10)   | 10/15/25            | Eastern   | G Water   | LOCAL NUMBER/CONTAINER              |                     |
| Trip Blank (752-38160-11)  | 10/15/25            | Eastern   | G Water   | Special Instructions/Note:          |                     |
|  |                     |   |   |                                     |                     |
|  |                     |   |   |                                     |                     |
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|  |                     |   |   |                                     |                     |
|  |                     |   |   |                                     |                     |
|  |                     |   |   |                                     |                     |
| 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/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. |                     |   | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)<br><input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months |                                     |                     |
| Possible Hazard Identification<br>Unconfirmed  |                     |   | Special Instructions/QC Requirements:   |                                     |                     |
| Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2   |                     |   | Time: _____   |                                     |                     |
| Empty Kit Relinquished by _____ Date: _____  |                     |   | Method of Shipment: _____   |                                     |                     |
| Relinquished by <i>rl6</i> Date/Time: 10/14/25 15:30   |                     |   | Received by: _____ Date/Time: _____ Company: _____  |                                     |                     |
| Relinquished by _____ Date/Time: _____   |                     |   | Received by: _____ Date/Time: _____ Company: _____  |                                     |                     |
| Relinquished by _____ Date/Time: _____   |                     |   | Received by: <i>MLP</i> Date/Time: 10/17/25 9:29 Company: _____   |                                     |                     |
| Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No   |                     |   | Cooler Temperature(s) °C and Other Remarks: _____   |                                     |                     |



**Eurofins Raleigh**

104 Woodwinds Industrial Court Suite A  
 Cary, NC 27511  
 Phone: 919-467-3090

**Chain of Custody Record**



eurofins | Environment Testing

|   |  |                                |                             |  |  |                                     |                                     |                             |                           |
|---|--|--------------------------------|-----------------------------|--|--|-------------------------------------|-------------------------------------|-----------------------------|---------------------------|
| <b>Client Information (Sub Contract Lab)</b>  |  | Sampler: N/A                   |                             | Lab PM: Bechtold, Chad   |  | Carrier Tracking No(s): N/A         |                                     | COC No: 752-6963.1          |                           |
| Client Contact: Shipping/Receiving  |  | Phone: N/A                     |                             | E-Mail: Chad.Bechtold@et.eurofinsus.com                            |  | State of Origin: North Carolina     |                                     | Page: Page 1 of 2           |                           |
| Company: Eurofins Environment Testing Southeast L   |  |                                |                             | Accreditations Required (See note): State - North Carolina (WW/SW) |  |                                     |                                     | Job #: 752-38160-1          |                           |
| Address: 3080 Presidential Dr,  |  | Due Date Requested: 10/24/2025 |                             | <b>Analysis Requested</b>  |  |                                     |                                     | <b>Preservation Codes:</b>  |                           |
| City: Atlanta   |  | TAT Requested (days): N/A      |                             |  |  |                                     |                                     |                             |                           |
| State, Zip: GA, 30340   |  | PO #: N/A                      |                             | Field Filtered Sample (Yes or No):                                 |  | Perform MS/MSD (Yes or No):         |                                     | Total Number of containers: |                           |
| Phone: 770-457-8177(Tel)  |  | WO #: N/A                      |                             |  |  |                                     |                                     |                             |                           |
| Email: N/A  |  | Project #: 68026680            |                             | 6020B/3005APRLF 16 Metals, including prep                          |  | 7470A/7470A_PrepMercury             |                                     | Other: N/A                  |                           |
| Project Name: East Durham Park  |  | SSOW#: N/A                     |                             |  |  |                                     |                                     |                             |                           |
| Site: N/A   |  |                                |                             |  |  |                                     |                                     |                             |                           |
| <b>Sample Identification - Client ID (Lab ID)</b>   |  | <b>Sample Date</b>             | <b>Sample Time</b>          | <b>Sample Type (C=Comp, G=grab)</b>                                | <b>Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)</b>  | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>    | <input type="checkbox"/>  |
|   |  |                                |                             | <b>Preservation Code:</b>  |  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>    | <input type="checkbox"/>  |
| MW-1 (752-38160-1)  |  | 10/15/25                       | 09:45 Eastern               | G  | Water  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>    | <input type="checkbox"/>  |
| MW-2 (752-38160-2)  |  | 10/15/25                       | 10:50 Eastern               | G  | Water  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>    | <input type="checkbox"/>  |
| MW-3 (752-38160-3)  |  | 10/15/25                       | 13:15 Eastern               | G  | Water  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>    | <input type="checkbox"/>  |
| MW-4 (752-38160-4)  |  | 10/15/25                       | 12:40 Eastern               | G  | Water  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>    | <input type="checkbox"/>  |
| MW-5 (752-38160-5)  |  | 10/15/25                       | 16:15 Eastern               | G  | Water  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>    | <input type="checkbox"/>  |
| MW-6 (752-38160-6)  |  | 10/15/25                       | 15:35 Eastern               | G  | Water  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>    | <input type="checkbox"/>  |
| MW-7 (752-38160-7)  |  | 10/15/25                       | 15:00 Eastern               | G  | Water  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>    | <input type="checkbox"/>  |
| MW-8 (752-38160-8)  |  | 10/15/25                       | 14:15 Eastern               | G  | Water  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>    | <input type="checkbox"/>  |
| MW-9 (752-38160-9)  |  | 10/15/25                       | 11:40 Eastern               | G  | Water  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>    | <input type="checkbox"/>  |
| <p>Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte &amp; accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.</p> |  |                                |                             |  |  |                                     |                                     |                             |                           |
| <b>Possible Hazard Identification</b>   |  |                                |                             |  | <b>Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)</b>  |                                     |                                     |                             |                           |
| Unconfirmed   |  |                                |                             |  | <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months |                                     |                                     |                             |                           |
| Deliverable Requested: I, II, III, IV, Other (specify)  |  |                                | Primary Deliverable Rank: 2 |  | Special Instructions/QC Requirements:  |                                     |                                     |                             |                           |
| Empty Kit Relinquished by:  |  |                                | Date:                       |  | Time:  |                                     | Method of Shipment:                 |                             |                           |
| Relinquished by: <i>flc</i>   |  |                                | Date/Time: 10/16/25 15:30   |  | Company:   |                                     | Received by: <i>[Signature]</i>     |                             | Date/Time: 10/17/25 10:11 |
| Relinquished by:  |  |                                | Date/Time:                  |  | Company:   |                                     | Received by:                        |                             | Date/Time:                |
| Relinquished by:  |  |                                | Date/Time:                  |  | Company:   |                                     | Received by:                        |                             | Date/Time:                |
| Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No  |  | Custody Seal No.:              |                             |  | Cooler Temperature(s) °C and Other Remarks: .5 #20605  |                                     |                                     |                             |                           |



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 Cary, NC 27511  
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**Chain of Custody Record**



| <b>Client Information (Sub Contract Lab)</b>  |                            | Sampler:<br>N/A  |                             | Lab PM:<br>Bechtold, Chad   |  | Carrier Tracking No(s):<br>N/A           |                                   | COC No:<br>752-6963.2 |                           |                    |  |  |  |  |  |  |  |  |  |  |  |                                   |                                   |  |  |                                   |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                          |  |
|---|----------------------------|--|-----------------------------|---|--|--|-----------------------------------|-----------------------|---------------------------|--------------------|--|--|--|--|--|--|--|--|--|--|--|-----------------------------------|-----------------------------------|--|--|-----------------------------------|----------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--------------------------|--|
| Client Contact:<br>Shipping/Receiving   |                            | Phone:<br>N/A  |                             | E-Mail:<br>Chad.Bechtold@et.eurofinsus.com  |  | State of Origin:<br>North Carolina       |                                   | Page:<br>Page 2 of 2  |                           |                    |  |  |  |  |  |  |  |  |  |  |  |                                   |                                   |  |  |                                   |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                          |  |
| Company:<br>Eurofins Environment Testing Southeast L  |                            |  |                             | Accreditations Required (See note):<br>State - North Carolina (WW/SW)   |  |  |                                   | Job #:<br>752-38160-1 |                           |                    |  |  |  |  |  |  |  |  |  |  |  |                                   |                                   |  |  |                                   |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                          |  |
| Address:<br>3080 Presidential Dr,<br>City:<br>Atlanta<br>State, Zip:<br>GA, 30340<br>Phone:<br>770-457-8177(Tel)<br>Email:<br>N/A<br>Project Name:<br>East Durham Park<br>Site:<br>N/A  |                            | Due Date Requested:<br>10/24/2025<br>TAT Requested (days):<br>N/A    |                             | <table border="1"> <thead> <tr> <th colspan="16">Analysis Requested</th> </tr> <tr> <th>Field Filtered Sample (Yes or No)</th> <th>Perform MS/MSD (Yes or No)</th> <th colspan="14"></th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td colspan="14">6020BI3005APRLF.16 Metals, including prep<br/>7470A/7470A_PrepMercury</td> </tr> </tbody> </table> |  |  |                                   |                       |                           | Analysis Requested |  |  |  |  |  |  |  |  |  |  |  |                                   |                                   |  |  | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 6020BI3005APRLF.16 Metals, including prep<br>7470A/7470A_PrepMercury |  |  |  |  |  |  |  |  |  |  |  |  |  | Preservation Codes:<br>- |  |
| Analysis Requested  |                            |  |                             |   |  |  |                                   |                       |                           |                    |  |  |  |  |  |  |  |  |  |  |  |                                   |                                   |  |  |                                   |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                          |  |
| Field Filtered Sample (Yes or No)   | Perform MS/MSD (Yes or No) |  |                             |   |  |  |                                   |                       |                           |                    |  |  |  |  |  |  |  |  |  |  |  |                                   |                                   |  |  |                                   |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                          |  |
|   |                            | 6020BI3005APRLF.16 Metals, including prep<br>7470A/7470A_PrepMercury |                             |   |  |  |                                   |                       |                           |                    |  |  |  |  |  |  |  |  |  |  |  |                                   |                                   |  |  |                                   |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                          |  |
| PO #:<br>N/A<br>WO #:<br>N/A<br>Project #:<br>68026680<br>SSOW#:<br>N/A   |                            |  |                             |   |  |  |                                   |                       |                           | Other:<br>N/A      |  |  |  |  |  |  |  |  |  |  |  |                                   |                                   |  |  |                                   |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                          |  |
| <b>Sample Identification - Client ID (Lab ID)</b>   |                            | <b>Sample Date</b>   | <b>Sample Time</b>          | <b>Sample Type</b><br>(C=Comp, G=grab)  | <b>Matrix</b><br>(W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)   | <b>Field Filtered Sample (Yes or No)</b> | <b>Perform MS/MSD (Yes or No)</b> |                       |                           |                    |  |  |  |  |  |  |  |  |  |  |  | <b>Total Number of containers</b> | <b>Special Instructions/Note:</b> |  |  |                                   |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                          |  |
| 101525-DUP1 (752-38160-10)  |                            | 10/15/25   | Eastern                     | G   | Water  |  | X                                 | X                     |                           |                    |  |  |  |  |  |  |  |  |  |  |  |                                   | 1                                 |  |  |                                   |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                          |  |
| <p>Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte &amp; accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.</p> |                            |  |                             |   |  |  |                                   |                       |                           |                    |  |  |  |  |  |  |  |  |  |  |  |                                   |                                   |  |  |                                   |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                          |  |
| <b>Possible Hazard Identification</b>   |                            |  |                             |   | <b>Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)</b>  |  |                                   |                       |                           |                    |  |  |  |  |  |  |  |  |  |  |  |                                   |                                   |  |  |                                   |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                          |  |
| Unconfirmed   |                            |  |                             |   | <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months |  |                                   |                       |                           |                    |  |  |  |  |  |  |  |  |  |  |  |                                   |                                   |  |  |                                   |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                          |  |
| Deliverable Requested: I, II, III, IV, Other (specify)  |                            |  | Primary Deliverable Rank: 2 |   | Special Instructions/QC Requirements:  |  |                                   |                       |                           |                    |  |  |  |  |  |  |  |  |  |  |  |                                   |                                   |  |  |                                   |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                          |  |
| Empty Kit Relinquished by:  |                            |  | Date:                       |   | Time:  |  | Method of Shipment:               |                       |                           |                    |  |  |  |  |  |  |  |  |  |  |  |                                   |                                   |  |  |                                   |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                          |  |
| Relinquished by: P6   |                            |  | Date/Time: 10/16/25 15:30   |   | Company:   |  | Received by: R Tenyer             |                       | Date/Time: 10/17/25 10:00 |                    |  |  |  |  |  |  |  |  |  |  |  |                                   |                                   |  |  |                                   |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                          |  |
| Relinquished by:  |                            |  | Date/Time:                  |   | Company:   |  | Received by:                      |                       | Date/Time:                |                    |  |  |  |  |  |  |  |  |  |  |  |                                   |                                   |  |  |                                   |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                          |  |
| Relinquished by:  |                            |  | Date/Time:                  |   | Company:   |  | Received by:                      |                       | Date/Time:                |                    |  |  |  |  |  |  |  |  |  |  |  |                                   |                                   |  |  |                                   |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                          |  |
| Custody Seals Intact:<br>Δ Yes Δ No   |                            | Custody Seal No.:  |                             |   | Cooler Temperature(s) °C and Other Remarks: .5 #2665   |  |                                   |                       |                           |                    |  |  |  |  |  |  |  |  |  |  |  |                                   |                                   |  |  |                                   |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                          |  |



# Login Sample Receipt Checklist

Client: S&ME Inc

Job Number: 752-38160-1

**Login Number: 38160**

**List Number: 1**

**Creator: Ortiz, Daniel**

**List Source: Eurofins Raleigh**

| Question   | Answer | Comment |
|--|--------|---------|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | N/A    |         |
| The cooler's custody seal, if present, is intact.                                | True   |         |
| Sample custody seals, if present, are intact.                                    | True   |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.  | True   |         |
| Cooler Temperature is acceptable.  | True   |         |
| Cooler Temperature is recorded.  | True   |         |
| COC is present.  | True   |         |
| COC is filled out in ink and legible.  | True   |         |
| COC is filled out with all pertinent information.                                | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.   | True   |         |
| Containers are not broken or leaking.  | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.  | True   |         |
| Sample bottles are completely filled.  | True   |         |
| Sample Preservation Verified.  | True   |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | True   |         |
| Multiphasic samples are not present.   | True   |         |
| Samples do not require splitting or compositing.                                 | True   |         |
| Residual Chlorine Checked.   | N/A    |         |



# Login Sample Receipt Checklist

Client: S&ME Inc

Job Number: 752-38160-1

**Login Number: 38160**  
**List Number: 2**  
**Creator: Taylor, Renee**

**List Source: Eurofins Atlanta**  
**List Creation: 10/17/25 12:27 PM**

| Question   | Answer | Comment |
|--|--------|---------|
| The cooler's custody seal, if present, is intact.                                | True   |         |
| The cooler does not appear to have been compromised or tampered with.            | True   |         |
| Samples were received on ice.  | True   |         |
| Cooler Temperature is acceptable.  | True   |         |
| Cooler Temperature is recorded.  | True   |         |
| COC present.   | True   |         |
| COC is filled out in ink and legible.  | True   |         |
| COC is filled out with all pertinent information.                                | True   |         |
| Sample custody seals, if present, are intact.                                    | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| The samples do not appear to have been compromised or tampered with.             | True   |         |
| Containers are not broken or leaking.  | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Sample containers have legible labels.   | True   |         |
| Appropriate sample containers were rec'd and sufficient volume for all analyses. | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs).   | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | True   |         |
| Is there sufficient air space in bottle for bacteriological analysis.            | True   |         |



# Login Sample Receipt Checklist

Client: S&ME Inc

Job Number: 752-38160-1

**Login Number: 38160**

**List Number: 3**

**Creator: Beecher (Roberts), Alexis J**

**List Source: Eurofins Pensacola**

**List Creation: 10/17/25 04:04 PM**

| Question  | Answer | Comment  |
|---|--------|--|
| Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.      | N/A    |  |
| The cooler's custody seal, if present, is intact.   | True   |  |
| Sample custody seals, if present, are intact.   | N/A    |  |
| The cooler or samples do not appear to have been compromised or tampered with.                      | True   |  |
| Samples were received on ice.   | True   |  |
| Cooler Temperature is acceptable.   | True   |  |
| Cooler Temperature is recorded.   | True   | 1.7°C IR8, 1.7°C IR8, 1.7°C IR8, 5.0°C IR8, 1.3°C IR8, 2.2°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 <math><6\text{mm}</math> (1/4"). | N/A    |  |
| Multiphasic samples are not present.  | True   |  |
| Samples do not require splitting or compositing.  | True   |  |
| Residual Chlorine Checked.  | N/A    |  |

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Jerry Paul  
S&ME Inc  
3201 Spring Forest Road  
Raleigh, North Carolina 27616  
Generated 10/28/2025 11:28:29 PM

## JOB DESCRIPTION

East Durham Park

## JOB NUMBER

752-38193-1

# Eurofins Raleigh

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

## Authorization



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# Definitions/Glossary

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

Job ID: 752-38193-1

## Qualifiers

### GC/MS Semi VOA

| Qualifier | Qualifier Description  |
|-----------|--|
| *+        | LCS and/or LCSD is outside acceptance limits, high biased.   |
| E         | Result exceeded calibration range.   |
| I         | Value is EMPC (estimated maximum possible concentration).  |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| S1+       | Surrogate recovery exceeds control limits, high biased.  |

### Metals

| Qualifier | Qualifier Description  |
|-----------|--|
| 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  |
|-----------|--|
| F1        | MS and/or MSD recovery exceeds control limits.   |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

## Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|---|
| ☼              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery  |
| CFL            | Contains Free Liquid  |
| CFU            | Colony Forming Unit   |
| CNF            | Contains No Free Liquid   |
| DER            | Duplicate Error Ratio (normalized absolute difference)  |
| Dil Fac        | Dilution Factor   |
| DL             | Detection Limit (DoD/DOE)   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)   |
| EDL            | Estimated Detection Limit (Dioxin)  |
| LOD            | Limit of Detection (DoD/DOE)  |
| LOQ            | Limit of Quantitation (DoD/DOE)   |
| MCL            | EPA recommended "Maximum Contaminant Level"   |
| MDA            | Minimum Detectable Activity (Radiochemistry)  |
| MDC            | Minimum Detectable Concentration (Radiochemistry)   |
| MDL            | Method Detection Limit  |
| ML             | Minimum Level (Dioxin)  |
| MPN            | Most Probable Number  |
| MQL            | Method Quantitation Limit   |
| NC             | Not Calculated  |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)  |
| NEG            | Negative / Absent   |
| POS            | Positive / Present  |
| PQL            | Practical Quantitation Limit  |
| PRES           | Presumptive   |
| QC             | Quality Control   |
| RER            | Relative Error Ratio (Radiochemistry)   |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)   |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)   |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)   |
| TNTC           | Too Numerous To Count   |

# Case Narrative

Client: S&ME Inc  
Project: East Durham Park

Job ID: 752-38193-1

**Job ID: 752-38193-1**

**Eurofins Raleigh**

## Job Narrative 752-38193-1

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

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

### Receipt

The samples were received on 10/16/2025 3:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 4.1°C and 4.3°C.

### GC/MS VOA

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

### GC/MS Semi VOA

Method 8270E\_QQQ: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 400-727411.

Method 8270E\_QQQ: Surrogate recovery for the following sample was outside the upper control limit: SW-7 (752-38193-7). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8270E\_QQQ: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 400-727411 and analytical batch 400-727527 recovered outside control limits for the following analytes: Caprolactam. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E\_QQQ: The method blank for preparation batch 400-727411 contained Bis(2-ethylhexyl) phthalate above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

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

### Metals

Method 7470A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 705-90610 and analytical batch 705-90926 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

### General Chemistry

Method 353.2\_Nitrite: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 752-13860 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Eurofins Raleigh

# Detection Summary

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

Job ID: 752-38193-1

## Client Sample ID: SW-1

## Lab Sample ID: 752-38193-1

| Analyte              | Result | Qualifier | RL     | MDL    | Unit | Dil Fac | D | Method          | Prep Type            |
|----------------------|--------|-----------|--------|--------|------|---------|---|-----------------|----------------------|
| Barium               | 44.0   |           | 10.0   | 0.410  | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Cobalt               | 0.600  | J         | 5.00   | 0.411  | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Copper               | 4.07   |           | 2.00   | 0.642  | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Lead                 | 1.16   |           | 1.00   | 0.864  | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Manganese            | 105    |           | 5.00   | 1.29   | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Nickel               | 2.54   | J         | 5.00   | 0.422  | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Vanadium             | 1.30   | J         | 5.00   | 1.22   | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Zinc                 | 18.3   |           | 10.0   | 8.91   | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Nitrate as N         | 0.0890 | J         | 0.100  | 0.0250 | mg/L | 1       |   | Nitrate by calc | Total/NA             |
| Nitrate Nitrite as N | 0.0890 |           | 0.0500 | 0.0180 | mg/L | 1       |   | SM 4500 NO3 F   | Total/NA             |
| Sulfate              | 29.0   |           | 5.00   | 1.40   | mg/L | 1       |   | SM 4500 SO4 E   | Total/NA             |

## Client Sample ID: SW-2

## Lab Sample ID: 752-38193-2

| Analyte              | Result | Qualifier | RL     | MDL    | Unit | Dil Fac | D | Method        | Prep Type            |
|----------------------|--------|-----------|--------|--------|------|---------|---|---------------|----------------------|
| Arsenic              | 1.84   | J         | 5.00   | 1.32   | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Barium               | 52.5   |           | 10.0   | 0.410  | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Cobalt               | 0.606  | J         | 5.00   | 0.411  | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Copper               | 4.65   |           | 2.00   | 0.642  | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Lead                 | 1.52   |           | 1.00   | 0.864  | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Manganese            | 86.0   |           | 5.00   | 1.29   | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Nickel               | 2.42   | J         | 5.00   | 0.422  | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Vanadium             | 1.63   | J         | 5.00   | 1.22   | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Zinc                 | 29.7   |           | 10.0   | 8.91   | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Nitrite as N         | 0.0328 | J         | 0.100  | 0.0168 | mg/L | 1       |   | 353.2         | Total/NA             |
| Nitrate Nitrite as N | 0.0370 | J         | 0.0500 | 0.0180 | mg/L | 1       |   | SM 4500 NO3 F | Total/NA             |
| Sulfate              | 26.1   |           | 5.00   | 1.40   | mg/L | 1       |   | SM 4500 SO4 E | Total/NA             |

## Client Sample ID: SW-3

## Lab Sample ID: 752-38193-3

| Analyte | Result | Qualifier | RL   | MDL   | Unit | Dil Fac | D | Method | Prep Type            |
|---------|--------|-----------|------|-------|------|---------|---|--------|----------------------|
| Arsenic | 1.48   | J         | 5.00 | 1.32  | ug/L | 1       |   | 6020B  | Total<br>Recoverable |
| Barium  | 56.5   |           | 10.0 | 0.410 | ug/L | 1       |   | 6020B  | Total<br>Recoverable |
| Cobalt  | 0.580  | J         | 5.00 | 0.411 | ug/L | 1       |   | 6020B  | Total<br>Recoverable |
| Copper  | 4.23   |           | 2.00 | 0.642 | ug/L | 1       |   | 6020B  | Total<br>Recoverable |

This Detection Summary does not include radiochemical test results.

Eurofins Raleigh

# Detection Summary

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

Job ID: 752-38193-1

## Client Sample ID: SW-3 (Continued)

## Lab Sample ID: 752-38193-3

| Analyte        | Result | Qualifier | RL     | MDL    | Unit | Dil Fac | D | Method        | Prep Type            |
|----------------|--------|-----------|--------|--------|------|---------|---|---------------|----------------------|
| Lead           | 1.46   |           | 1.00   | 0.864  | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Manganese      | 150    |           | 5.00   | 1.29   | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Nickel         | 2.50   | J         | 5.00   | 0.422  | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Vanadium       | 1.40   | J         | 5.00   | 1.22   | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Zinc           | 18.3   |           | 10.0   | 8.91   | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Ammonia (as N) | 0.0630 |           | 0.0500 | 0.0460 | mg/L | 1       |   | 350.1         | Total/NA             |
| Sulfate        | 22.1   |           | 5.00   | 1.40   | mg/L | 1       |   | SM 4500 SO4 E | Total/NA             |

## Client Sample ID: SW-4

## Lab Sample ID: 752-38193-4

| Analyte   | Result | Qualifier | RL   | MDL   | Unit | Dil Fac | D | Method        | Prep Type            |
|-----------|--------|-----------|------|-------|------|---------|---|---------------|----------------------|
| Arsenic   | 1.48   | J         | 5.00 | 1.32  | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Barium    | 62.6   |           | 10.0 | 0.410 | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Cobalt    | 0.792  | J         | 5.00 | 0.411 | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Copper    | 2.89   |           | 2.00 | 0.642 | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Lead      | 1.92   |           | 1.00 | 0.864 | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Manganese | 333    |           | 5.00 | 1.29  | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Nickel    | 2.01   | J         | 5.00 | 0.422 | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Vanadium  | 1.51   | J         | 5.00 | 1.22  | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Zinc      | 12.8   |           | 10.0 | 8.91  | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Sulfate   | 16.9   |           | 5.00 | 1.40  | mg/L | 1       |   | SM 4500 SO4 E | Total/NA             |

## Client Sample ID: SW-5

## Lab Sample ID: 752-38193-5

| Analyte   | Result | Qualifier | RL   | MDL   | Unit | Dil Fac | D | Method        | Prep Type            |
|-----------|--------|-----------|------|-------|------|---------|---|---------------|----------------------|
| Arsenic   | 1.58   | J         | 5.00 | 1.32  | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Barium    | 66.6   |           | 10.0 | 0.410 | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Cobalt    | 0.590  | J         | 5.00 | 0.411 | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Copper    | 4.69   |           | 2.00 | 0.642 | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Lead      | 3.05   |           | 1.00 | 0.864 | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Manganese | 181    |           | 5.00 | 1.29  | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Nickel    | 1.80   | J         | 5.00 | 0.422 | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Vanadium  | 1.33   | J         | 5.00 | 1.22  | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Zinc      | 17.6   |           | 10.0 | 8.91  | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Sulfate   | 17.7   |           | 5.00 | 1.40  | mg/L | 1       |   | SM 4500 SO4 E | Total/NA             |

This Detection Summary does not include radiochemical test results.

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# Detection Summary

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

Job ID: 752-38193-1

## Client Sample ID: SW-6

## Lab Sample ID: 752-38193-6

| Analyte              | Result | Qualifier | RL     | MDL    | Unit | Dil Fac | D | Method          | Prep Type            |
|----------------------|--------|-----------|--------|--------|------|---------|---|-----------------|----------------------|
| Arsenic              | 2.43   | J         | 5.00   | 1.32   | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Barium               | 56.7   |           | 10.0   | 0.410  | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Cobalt               | 0.828  | J         | 5.00   | 0.411  | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Copper               | 3.90   |           | 2.00   | 0.642  | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Lead                 | 1.91   |           | 1.00   | 0.864  | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Manganese            | 328    |           | 5.00   | 1.29   | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Nickel               | 1.69   | J         | 5.00   | 0.422  | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Vanadium             | 1.29   | J         | 5.00   | 1.22   | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Zinc                 | 14.5   |           | 10.0   | 8.91   | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Ammonia (as N)       | 0.0950 |           | 0.0500 | 0.0460 | mg/L | 1       |   | 350.1           | Total/NA             |
| Nitrate as N         | 0.183  |           | 0.100  | 0.0250 | mg/L | 1       |   | Nitrate by calc | Total/NA             |
| Nitrate Nitrite as N | 0.183  |           | 0.0500 | 0.0180 | mg/L | 1       |   | SM 4500 NO3 F   | Total/NA             |
| Sulfate              | 13.5   |           | 5.00   | 1.40   | mg/L | 1       |   | SM 4500 SO4 E   | Total/NA             |

## Client Sample ID: SW-7

## Lab Sample ID: 752-38193-7

| Analyte              | Result | Qualifier | RL     | MDL    | Unit | Dil Fac | D | Method        | Prep Type            |
|----------------------|--------|-----------|--------|--------|------|---------|---|---------------|----------------------|
| Arsenic              | 1.74   | J         | 5.00   | 1.32   | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Barium               | 59.4   |           | 10.0   | 0.410  | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Cobalt               | 0.952  | J         | 5.00   | 0.411  | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Copper               | 9.19   |           | 2.00   | 0.642  | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Lead                 | 6.69   |           | 1.00   | 0.864  | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Manganese            | 303    |           | 5.00   | 1.29   | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Nickel               | 3.70   | J         | 5.00   | 0.422  | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Vanadium             | 1.95   | J         | 5.00   | 1.22   | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Zinc                 | 30.3   |           | 10.0   | 8.91   | ug/L | 1       |   | 6020B         | Total<br>Recoverable |
| Nitrate Nitrite as N | 0.0210 | J         | 0.0500 | 0.0180 | mg/L | 1       |   | SM 4500 NO3 F | Total/NA             |
| Sulfate              | 16.9   |           | 5.00   | 1.40   | mg/L | 1       |   | SM 4500 SO4 E | Total/NA             |

## Client Sample ID: 101625-Dup-SW

## Lab Sample ID: 752-38193-8

| Analyte | Result | Qualifier | RL   | MDL   | Unit | Dil Fac | D | Method | Prep Type            |
|---------|--------|-----------|------|-------|------|---------|---|--------|----------------------|
| Arsenic | 1.44   | J         | 5.00 | 1.32  | ug/L | 1       |   | 6020B  | Total<br>Recoverable |
| Barium  | 47.5   |           | 10.0 | 0.410 | ug/L | 1       |   | 6020B  | Total<br>Recoverable |
| Cobalt  | 0.650  | J         | 5.00 | 0.411 | ug/L | 1       |   | 6020B  | Total<br>Recoverable |

This Detection Summary does not include radiochemical test results.

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# Detection Summary

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

Job ID: 752-38193-1

## Client Sample ID: 101625-Dup-SW (Continued)

## Lab Sample ID: 752-38193-8

| Analyte              | Result | Qualifier | RL     | MDL    | Unit | Dil Fac | D | Method          | Prep Type            |
|----------------------|--------|-----------|--------|--------|------|---------|---|-----------------|----------------------|
| Copper               | 4.84   |           | 2.00   | 0.642  | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Lead                 | 1.69   |           | 1.00   | 0.864  | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Manganese            | 120    |           | 5.00   | 1.29   | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Nickel               | 2.41   | J         | 5.00   | 0.422  | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Vanadium             | 1.41   | J         | 5.00   | 1.22   | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Zinc                 | 18.8   |           | 10.0   | 8.91   | ug/L | 1       |   | 6020B           | Total<br>Recoverable |
| Ammonia (as N)       | 0.0650 |           | 0.0500 | 0.0460 | mg/L | 1       |   | 350.1           | Total/NA             |
| Nitrate as N         | 0.0720 | J         | 0.100  | 0.0250 | mg/L | 1       |   | Nitrate by calc | Total/NA             |
| Nitrate Nitrite as N | 0.0720 |           | 0.0500 | 0.0180 | mg/L | 1       |   | SM 4500 NO3 F   | Total/NA             |
| Sulfate              | 28.1   |           | 5.00   | 1.40   | mg/L | 1       |   | SM 4500 SO4 E   | Total/NA             |

## Client Sample ID: Trip Blank

## Lab Sample ID: 752-38193-9

No Detections.

This Detection Summary does not include radiochemical test results.

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# Client Sample Results

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

Job ID: 752-38193-1

**Client Sample ID: SW-1**  
**Date Collected: 10/16/25 09:40**  
**Date Received: 10/16/25 15:00**

**Lab Sample ID: 752-38193-1**  
**Matrix: Water**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

| Analyte                     | Result | Qualifier | RL   | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|--------|------|---|----------|----------------|---------|
| Acetone                     | ND     |           | 25.0 | 10.0   | ug/L |   |          | 10/23/25 14:19 | 1       |
| Benzene                     | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 14:19 | 1       |
| Bromobenzene                | ND     |           | 1.00 | 0.540  | ug/L |   |          | 10/23/25 14:19 | 1       |
| Bromoform                   | ND     |           | 5.00 | 0.250  | ug/L |   |          | 10/23/25 14:19 | 1       |
| Bromomethane                | ND     |           | 1.00 | 0.980  | ug/L |   |          | 10/23/25 14:19 | 1       |
| 2-Butanone (MEK)            | ND     |           | 25.0 | 2.60   | ug/L |   |          | 10/23/25 14:19 | 1       |
| Carbon disulfide            | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 14:19 | 1       |
| Carbon tetrachloride        | ND     |           | 1.00 | 0.190  | ug/L |   |          | 10/23/25 14:19 | 1       |
| Chlorobenzene               | ND     |           | 1.00 | 0.420  | ug/L |   |          | 10/23/25 14:19 | 1       |
| Chlorobromomethane          | ND     |           | 1.00 | 0.520  | ug/L |   |          | 10/23/25 14:19 | 1       |
| Chlorodibromomethane        | ND     |           | 1.00 | 0.240  | ug/L |   |          | 10/23/25 14:19 | 1       |
| Chloroethane                | ND     |           | 1.00 | 0.760  | ug/L |   |          | 10/23/25 14:19 | 1       |
| Chloroform                  | ND     |           | 1.00 | 0.900  | ug/L |   |          | 10/23/25 14:19 | 1       |
| Chloromethane               | ND     |           | 1.00 | 0.400  | ug/L |   |          | 10/23/25 14:19 | 1       |
| 2-Chlorotoluene             | ND     |           | 1.00 | 0.570  | ug/L |   |          | 10/23/25 14:19 | 1       |
| 4-Chlorotoluene             | ND     |           | 1.00 | 0.560  | ug/L |   |          | 10/23/25 14:19 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 1.00 | 0.200  | ug/L |   |          | 10/23/25 14:19 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 5.00 | 0.500  | ug/L |   |          | 10/23/25 14:19 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND     |           | 5.00 | 1.50   | ug/L |   |          | 10/23/25 14:19 | 1       |
| Dibromomethane              | ND     |           | 5.00 | 0.220  | ug/L |   |          | 10/23/25 14:19 | 1       |
| 1,2-Dichlorobenzene         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 14:19 | 1       |
| 1,3-Dichlorobenzene         | ND     |           | 1.00 | 0.540  | ug/L |   |          | 10/23/25 14:19 | 1       |
| 1,4-Dichlorobenzene         | ND     |           | 1.00 | 0.640  | ug/L |   |          | 10/23/25 14:19 | 1       |
| Dichlorobromomethane        | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 14:19 | 1       |
| 1,1-Dichloroethane          | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 14:19 | 1       |
| 1,2-Dichloroethane          | ND     |           | 1.00 | 0.550  | ug/L |   |          | 10/23/25 14:19 | 1       |
| 1,1-Dichloroethene          | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 14:19 | 1       |
| 1,2-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 14:19 | 1       |
| 1,3-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 14:19 | 1       |
| 2,2-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 14:19 | 1       |
| 1,1-Dichloropropene         | ND     |           | 1.00 | 0.0900 | ug/L |   |          | 10/23/25 14:19 | 1       |
| Ethyl acetate               | ND     |           | 10.0 | 6.14   | ug/L |   |          | 10/23/25 14:19 | 1       |
| Ethylbenzene                | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 14:19 | 1       |
| Ethylene Dibromide          | ND     |           | 1.00 | 0.230  | ug/L |   |          | 10/23/25 14:19 | 1       |
| Hexachlorobutadiene         | ND     |           | 5.00 | 0.900  | ug/L |   |          | 10/23/25 14:19 | 1       |
| Hexane                      | ND     |           | 1.00 | 0.960  | ug/L |   |          | 10/23/25 14:19 | 1       |
| 2-Hexanone                  | ND     |           | 25.0 | 4.26   | ug/L |   |          | 10/23/25 14:19 | 1       |
| Iodomethane                 | ND     |           | 1.00 | 0.900  | ug/L |   |          | 10/23/25 14:19 | 1       |
| Isopropylbenzene            | ND     |           | 1.00 | 0.530  | ug/L |   |          | 10/23/25 14:19 | 1       |
| Isopropyl ether             | ND     |           | 1.00 | 0.740  | ug/L |   |          | 10/23/25 14:19 | 1       |
| 4-Isopropyltoluene          | ND     |           | 1.00 | 0.710  | ug/L |   |          | 10/23/25 14:19 | 1       |
| Methylene Chloride          | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 14:19 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     |           | 25.0 | 1.80   | ug/L |   |          | 10/23/25 14:19 | 1       |
| Methyl tert-butyl ether     | ND     |           | 1.00 | 0.220  | ug/L |   |          | 10/23/25 14:19 | 1       |
| m-Xylene & p-Xylene         | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 14:19 | 1       |
| Naphthalene                 | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 14:19 | 1       |
| n-Butylbenzene              | ND     |           | 1.00 | 0.760  | ug/L |   |          | 10/23/25 14:19 | 1       |
| n-Heptane                   | ND     |           | 1.00 | 0.210  | ug/L |   |          | 10/23/25 14:19 | 1       |
| N-Propylbenzene             | ND     |           | 1.00 | 0.690  | ug/L |   |          | 10/23/25 14:19 | 1       |

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# Client Sample Results

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

Job ID: 752-38193-1

**Client Sample ID: SW-1**  
**Date Collected: 10/16/25 09:40**  
**Date Received: 10/16/25 15:00**

**Lab Sample ID: 752-38193-1**  
**Matrix: Water**

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| o-Xylene                              | ND     |           | 5.00 | 3.00  | ug/L |   |          | 10/23/25 14:19 | 1       |
| sec-Butylbenzene                      | ND     |           | 1.00 | 0.700 | ug/L |   |          | 10/23/25 14:19 | 1       |
| Styrene                               | ND     |           | 1.00 | 1.00  | ug/L |   |          | 10/23/25 14:19 | 1       |
| tert-Butylbenzene                     | ND     |           | 1.00 | 0.630 | ug/L |   |          | 10/23/25 14:19 | 1       |
| 1,1,1,2-Tetrachloroethane             | ND     |           | 1.00 | 0.380 | ug/L |   |          | 10/23/25 14:19 | 1       |
| 1,1,1,2,2-Tetrachloroethane           | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 14:19 | 1       |
| Tetrachloroethene                     | ND     |           | 1.00 | 0.330 | ug/L |   |          | 10/23/25 14:19 | 1       |
| Toluene                               | ND     |           | 1.00 | 0.900 | ug/L |   |          | 10/23/25 14:19 | 1       |
| trans-1,4-Dichloro-2-butene           | ND     |           | 5.00 | 1.00  | ug/L |   |          | 10/23/25 14:19 | 1       |
| trans-1,2-Dichloroethene              | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 14:19 | 1       |
| trans-1,3-Dichloropropene             | ND     |           | 5.00 | 0.200 | ug/L |   |          | 10/23/25 14:19 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 1.00 | 0.900 | ug/L |   |          | 10/23/25 14:19 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 1.00 | 0.820 | ug/L |   |          | 10/23/25 14:19 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 1.00 | 0.180 | ug/L |   |          | 10/23/25 14:19 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 5.00 | 0.210 | ug/L |   |          | 10/23/25 14:19 | 1       |
| Trichloroethene                       | ND     |           | 1.00 | 0.150 | ug/L |   |          | 10/23/25 14:19 | 1       |
| Trichlorofluoromethane                | ND     |           | 1.00 | 0.250 | ug/L |   |          | 10/23/25 14:19 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 5.00 | 0.840 | ug/L |   |          | 10/23/25 14:19 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 14:19 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 1.00 | 0.820 | ug/L |   |          | 10/23/25 14:19 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 1.00 | 0.560 | ug/L |   |          | 10/23/25 14:19 | 1       |
| Vinyl acetate                         | ND     |           | 25.0 | 0.930 | ug/L |   |          | 10/23/25 14:19 | 1       |
| Vinyl chloride                        | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 14:19 | 1       |
| Xylenes, Total                        | ND     |           | 10.0 | 6.00  | ug/L |   |          | 10/23/25 14:19 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene         | 106       |           | 56 - 136 |          | 10/23/25 14:19 | 1       |
| Dibromofluoromethane         | 105       |           | 79 - 130 |          | 10/23/25 14:19 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 105       |           | 59 - 146 |          | 10/23/25 14:19 | 1       |
| Toluene-d8 (Surr)            | 100       |           | 64 - 132 |          | 10/23/25 14:19 | 1       |

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

| Analyte     | Result | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| 1,4-Dioxane | ND     |           | 0.301 | 0.301 | ug/L |   | 10/17/25 16:54 | 10/21/25 19:09 | 1       |

| Isotope Dilution | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Dioxane-d8   | 31        |           | 10 - 140 | 10/17/25 16:54 | 10/21/25 19:09 | 1       |

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

| Analyte               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| 1,1'-Biphenyl         | ND     |           | 9.97 | 0.419 | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| 2,4,5-Trichlorophenol | ND     |           | 9.97 | 0.538 | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| 2,4,6-Trichlorophenol | ND     |           | 9.97 | 1.09  | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| 2,4-Dichlorophenol    | ND     |           | 9.97 | 0.568 | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| 2,4-Dimethylphenol    | ND     |           | 9.97 | 0.239 | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| 2,4-Dinitrophenol     | ND     |           | 29.9 | 4.66  | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| 2,4-Dinitrotoluene    | ND     |           | 9.97 | 0.648 | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| 2,6-Dinitrotoluene    | ND     |           | 9.97 | 0.289 | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| 2-Chloronaphthalene   | ND     |           | 9.97 | 0.379 | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| 2-Chlorophenol        | ND     |           | 9.97 | 0.837 | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| 2-Methylnaphthalene   | ND     |           | 9.97 | 0.807 | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |

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# Client Sample Results

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

Job ID: 752-38193-1

**Client Sample ID: SW-1**  
**Date Collected: 10/16/25 09:40**  
**Date Received: 10/16/25 15:00**

**Lab Sample ID: 752-38193-1**  
**Matrix: Water**

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

| Analyte                       | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| 2-Methylphenol                | ND     |           | 9.97 | 0.757 | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| 2-Nitroaniline                | ND     |           | 9.97 | 1.37  | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| 2-Nitrophenol                 | ND     |           | 9.97 | 1.17  | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| 3 & 4 Methylphenol            | ND     |           | 19.9 | 4.58  | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 11.0 | 0.409 | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| 3-Nitroaniline                | ND     |           | 9.97 | 0.947 | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 9.97 | 1.96  | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 9.97 | 0.130 | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 9.97 | 0.728 | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| 4-Chloroaniline               | ND     |           | 9.97 | 0.578 | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 9.97 | 0.239 | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| 4-Nitroaniline                | ND     |           | 9.97 | 3.49  | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| 4-Nitrophenol                 | ND     |           | 9.97 | 2.73  | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| Acenaphthene                  | ND     |           | 9.97 | 0.628 | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| Acenaphthylene                | ND     |           | 9.97 | 0.757 | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| Acetophenone                  | ND     |           | 9.97 | 3.19  | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| Anthracene                    | ND     |           | 9.97 | 0.907 | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| Atrazine                      | ND     |           | 9.97 | 1.13  | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| Benzaldehyde                  | ND     |           | 9.97 | 0.668 | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| Benzo[a]anthracene            | ND     |           | 9.97 | 0.997 | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| Benzo[a]pyrene                | ND     |           | 9.97 | 1.10  | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| Benzo[b]fluoranthene          | ND     |           | 9.97 | 1.20  | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| Benzo[g,h,i]perylene          | ND     |           | 9.97 | 1.50  | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| Benzo[k]fluoranthene          | ND     |           | 9.97 | 1.50  | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 9.97 | 0.927 | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 9.97 | 0.339 | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 9.97 | 0.728 | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 9.97 | 3.99  | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| Butyl benzyl phthalate        | ND     |           | 9.97 | 3.99  | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| Caprolactam                   | ND     | +         | 9.97 | 2.39  | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| Carbazole                     | ND     |           | 9.97 | 0.319 | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| Chrysene                      | ND     |           | 9.97 | 1.20  | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 9.97 | 1.30  | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| Dibenzofuran                  | ND     |           | 9.97 | 0.638 | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| Diethyl phthalate             | ND     |           | 9.97 | 3.99  | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| Dimethyl phthalate            | ND     |           | 9.97 | 3.99  | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| Di-n-butyl phthalate          | ND     |           | 9.97 | 8.16  | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| Di-n-octyl phthalate          | ND     |           | 9.97 | 3.99  | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| Fluoranthene                  | ND     |           | 9.97 | 0.628 | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| Fluorene                      | ND     |           | 9.97 | 0.668 | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| Hexachlorobenzene             | ND     |           | 9.97 | 0.249 | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| Hexachlorobutadiene           | ND     |           | 9.97 | 0.548 | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| Hexachlorocyclopentadiene     | ND     |           | 19.9 | 0.319 | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| Hexachloroethane              | ND     |           | 9.97 | 0.528 | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| Indeno[1,2,3-cd]pyrene        | ND     |           | 9.97 | 1.10  | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| Isophorone                    | ND     |           | 9.97 | 0.797 | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| Naphthalene                   | ND     |           | 9.97 | 0.748 | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| Nitrobenzene                  | ND     |           | 9.97 | 0.598 | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| N-Nitrosodi-n-propylamine     | ND     |           | 9.97 | 0.329 | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |

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# Client Sample Results

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

Job ID: 752-38193-1

**Client Sample ID: SW-1**  
Date Collected: 10/16/25 09:40  
Date Received: 10/16/25 15:00

**Lab Sample ID: 752-38193-1**  
Matrix: Water

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

| Analyte                | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| N-Nitrosodiphenylamine | ND     |           | 9.97 | 0.189 | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| Pentachlorophenol      | ND     |           | 9.97 | 2.79  | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| Phenanthrene           | ND     |           | 9.97 | 0.738 | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| Phenol                 | ND     |           | 9.97 | 0.678 | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| Pyrene                 | ND     |           | 9.97 | 0.628 | ug/L |   | 10/20/25 11:41 | 10/25/25 17:52 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   |  |  |  | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|--|--|--|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 126       |           | 10 - 150 |  |  |  | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| 2-Fluorobiphenyl (Surr)     | 90        |           | 25 - 139 |  |  |  | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| 2-Fluorophenol (Surr)       | 86        |           | 10 - 150 |  |  |  | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| Nitrobenzene-d5 (Surr)      | 124       |           | 22 - 150 |  |  |  | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| Phenol-d5 (Surr)            | 85        |           | 10 - 150 |  |  |  | 10/20/25 11:41 | 10/25/25 17:52 | 1       |
| Terphenyl-d14 (Surr)        | 55        |           | 28 - 150 |  |  |  | 10/20/25 11:41 | 10/25/25 17:52 | 1       |

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

| Analyte          | Result       | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Antimony         | ND           |           | 5.00  | 2.45  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:15 | 1       |
| Arsenic          | ND           |           | 5.00  | 1.32  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:15 | 1       |
| <b>Barium</b>    | <b>44.0</b>  |           | 10.0  | 0.410 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:15 | 1       |
| Beryllium        | ND           |           | 1.00  | 0.147 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:15 | 1       |
| Cadmium          | ND           |           | 0.700 | 0.237 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:15 | 1       |
| Chromium         | ND           |           | 5.00  | 3.69  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:15 | 1       |
| <b>Cobalt</b>    | <b>0.600</b> | <b>J</b>  | 5.00  | 0.411 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:15 | 1       |
| <b>Copper</b>    | <b>4.07</b>  |           | 2.00  | 0.642 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:15 | 1       |
| <b>Lead</b>      | <b>1.16</b>  |           | 1.00  | 0.864 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:15 | 1       |
| <b>Manganese</b> | <b>105</b>   |           | 5.00  | 1.29  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:15 | 1       |
| <b>Nickel</b>    | <b>2.54</b>  | <b>J</b>  | 5.00  | 0.422 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:15 | 1       |
| Selenium         | ND           |           | 5.00  | 2.29  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:15 | 1       |
| Silver           | ND           |           | 1.00  | 0.167 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:15 | 1       |
| Thallium         | ND           |           | 1.00  | 0.190 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:15 | 1       |
| <b>Vanadium</b>  | <b>1.30</b>  | <b>J</b>  | 5.00  | 1.22  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:15 | 1       |
| <b>Zinc</b>      | <b>18.3</b>  |           | 10.0  | 8.91  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:15 | 1       |

## Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Mercury | ND     | F2        | 0.200 | 0.166 | ug/L |   | 10/24/25 12:28 | 10/24/25 17:58 | 1       |

## General Chemistry

| Analyte                                     | Result        | Qualifier | RL     | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|---|---------------|-----------|--------|--------|------|---|----------|----------------|---------|
| Ammonia (as N) (EPA 350.1)                  | ND            |           | 0.0500 | 0.0460 | mg/L |   |          | 10/25/25 11:45 | 1       |
| Nitrite as N (EPA 353.2)                    | ND            | F1        | 0.100  | 0.0168 | mg/L |   |          | 10/16/25 17:04 | 1       |
| <b>Nitrate as N (SM Nitrate by calc)</b>    | <b>0.0890</b> | <b>J</b>  | 0.100  | 0.0250 | mg/L |   |          | 10/21/25 09:48 | 1       |
| <b>Nitrate Nitrite as N (SM 4500 NO3 F)</b> | <b>0.0890</b> |           | 0.0500 | 0.0180 | mg/L |   |          | 10/21/25 17:49 | 1       |
| <b>Sulfate (SM 4500 SO4 E)</b>              | <b>29.0</b>   |           | 5.00   | 1.40   | mg/L |   |          | 10/20/25 15:53 | 1       |

# Client Sample Results

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

Job ID: 752-38193-1

**Client Sample ID: SW-2**

**Lab Sample ID: 752-38193-2**

**Date Collected: 10/16/25 10:20**

**Matrix: Water**

**Date Received: 10/16/25 15:00**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

| Analyte                     | Result | Qualifier | RL   | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|--------|------|---|----------|----------------|---------|
| Acetone                     | ND     |           | 25.0 | 10.0   | ug/L |   |          | 10/23/25 14:45 | 1       |
| Benzene                     | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 14:45 | 1       |
| Bromobenzene                | ND     |           | 1.00 | 0.540  | ug/L |   |          | 10/23/25 14:45 | 1       |
| Bromoform                   | ND     |           | 5.00 | 0.250  | ug/L |   |          | 10/23/25 14:45 | 1       |
| Bromomethane                | ND     |           | 1.00 | 0.980  | ug/L |   |          | 10/23/25 14:45 | 1       |
| 2-Butanone (MEK)            | ND     |           | 25.0 | 2.60   | ug/L |   |          | 10/23/25 14:45 | 1       |
| Carbon disulfide            | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 14:45 | 1       |
| Carbon tetrachloride        | ND     |           | 1.00 | 0.190  | ug/L |   |          | 10/23/25 14:45 | 1       |
| Chlorobenzene               | ND     |           | 1.00 | 0.420  | ug/L |   |          | 10/23/25 14:45 | 1       |
| Chlorobromomethane          | ND     |           | 1.00 | 0.520  | ug/L |   |          | 10/23/25 14:45 | 1       |
| Chlorodibromomethane        | ND     |           | 1.00 | 0.240  | ug/L |   |          | 10/23/25 14:45 | 1       |
| Chloroethane                | ND     |           | 1.00 | 0.760  | ug/L |   |          | 10/23/25 14:45 | 1       |
| Chloroform                  | ND     |           | 1.00 | 0.900  | ug/L |   |          | 10/23/25 14:45 | 1       |
| Chloromethane               | ND     |           | 1.00 | 0.400  | ug/L |   |          | 10/23/25 14:45 | 1       |
| 2-Chlorotoluene             | ND     |           | 1.00 | 0.570  | ug/L |   |          | 10/23/25 14:45 | 1       |
| 4-Chlorotoluene             | ND     |           | 1.00 | 0.560  | ug/L |   |          | 10/23/25 14:45 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 1.00 | 0.200  | ug/L |   |          | 10/23/25 14:45 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 5.00 | 0.500  | ug/L |   |          | 10/23/25 14:45 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND     |           | 5.00 | 1.50   | ug/L |   |          | 10/23/25 14:45 | 1       |
| Dibromomethane              | ND     |           | 5.00 | 0.220  | ug/L |   |          | 10/23/25 14:45 | 1       |
| 1,2-Dichlorobenzene         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 14:45 | 1       |
| 1,3-Dichlorobenzene         | ND     |           | 1.00 | 0.540  | ug/L |   |          | 10/23/25 14:45 | 1       |
| 1,4-Dichlorobenzene         | ND     |           | 1.00 | 0.640  | ug/L |   |          | 10/23/25 14:45 | 1       |
| Dichlorobromomethane        | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 14:45 | 1       |
| 1,1-Dichloroethane          | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 14:45 | 1       |
| 1,2-Dichloroethane          | ND     |           | 1.00 | 0.550  | ug/L |   |          | 10/23/25 14:45 | 1       |
| 1,1-Dichloroethene          | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 14:45 | 1       |
| 1,2-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 14:45 | 1       |
| 1,3-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 14:45 | 1       |
| 2,2-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 14:45 | 1       |
| 1,1-Dichloropropene         | ND     |           | 1.00 | 0.0900 | ug/L |   |          | 10/23/25 14:45 | 1       |
| Ethyl acetate               | ND     |           | 10.0 | 6.14   | ug/L |   |          | 10/23/25 14:45 | 1       |
| Ethylbenzene                | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 14:45 | 1       |
| Ethylene Dibromide          | ND     |           | 1.00 | 0.230  | ug/L |   |          | 10/23/25 14:45 | 1       |
| Hexachlorobutadiene         | ND     |           | 5.00 | 0.900  | ug/L |   |          | 10/23/25 14:45 | 1       |
| Hexane                      | ND     |           | 1.00 | 0.960  | ug/L |   |          | 10/23/25 14:45 | 1       |
| 2-Hexanone                  | ND     |           | 25.0 | 4.26   | ug/L |   |          | 10/23/25 14:45 | 1       |
| Iodomethane                 | ND     |           | 1.00 | 0.900  | ug/L |   |          | 10/23/25 14:45 | 1       |
| Isopropylbenzene            | ND     |           | 1.00 | 0.530  | ug/L |   |          | 10/23/25 14:45 | 1       |
| Isopropyl ether             | ND     |           | 1.00 | 0.740  | ug/L |   |          | 10/23/25 14:45 | 1       |
| 4-Isopropyltoluene          | ND     |           | 1.00 | 0.710  | ug/L |   |          | 10/23/25 14:45 | 1       |
| Methylene Chloride          | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 14:45 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     |           | 25.0 | 1.80   | ug/L |   |          | 10/23/25 14:45 | 1       |
| Methyl tert-butyl ether     | ND     |           | 1.00 | 0.220  | ug/L |   |          | 10/23/25 14:45 | 1       |
| m-Xylene & p-Xylene         | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 14:45 | 1       |
| Naphthalene                 | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 14:45 | 1       |
| n-Butylbenzene              | ND     |           | 1.00 | 0.760  | ug/L |   |          | 10/23/25 14:45 | 1       |
| n-Heptane                   | ND     |           | 1.00 | 0.210  | ug/L |   |          | 10/23/25 14:45 | 1       |
| N-Propylbenzene             | ND     |           | 1.00 | 0.690  | ug/L |   |          | 10/23/25 14:45 | 1       |

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# Client Sample Results

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

Job ID: 752-38193-1

**Client Sample ID: SW-2**  
**Date Collected: 10/16/25 10:20**  
**Date Received: 10/16/25 15:00**

**Lab Sample ID: 752-38193-2**  
**Matrix: Water**

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| o-Xylene                              | ND     |           | 5.00 | 3.00  | ug/L |   |          | 10/23/25 14:45 | 1       |
| sec-Butylbenzene                      | ND     |           | 1.00 | 0.700 | ug/L |   |          | 10/23/25 14:45 | 1       |
| Styrene                               | ND     |           | 1.00 | 1.00  | ug/L |   |          | 10/23/25 14:45 | 1       |
| tert-Butylbenzene                     | ND     |           | 1.00 | 0.630 | ug/L |   |          | 10/23/25 14:45 | 1       |
| 1,1,1,2-Tetrachloroethane             | ND     |           | 1.00 | 0.380 | ug/L |   |          | 10/23/25 14:45 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 14:45 | 1       |
| Tetrachloroethene                     | ND     |           | 1.00 | 0.330 | ug/L |   |          | 10/23/25 14:45 | 1       |
| Toluene                               | ND     |           | 1.00 | 0.900 | ug/L |   |          | 10/23/25 14:45 | 1       |
| trans-1,4-Dichloro-2-butene           | ND     |           | 5.00 | 1.00  | ug/L |   |          | 10/23/25 14:45 | 1       |
| trans-1,2-Dichloroethene              | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 14:45 | 1       |
| trans-1,3-Dichloropropene             | ND     |           | 5.00 | 0.200 | ug/L |   |          | 10/23/25 14:45 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 1.00 | 0.900 | ug/L |   |          | 10/23/25 14:45 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 1.00 | 0.820 | ug/L |   |          | 10/23/25 14:45 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 1.00 | 0.180 | ug/L |   |          | 10/23/25 14:45 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 5.00 | 0.210 | ug/L |   |          | 10/23/25 14:45 | 1       |
| Trichloroethene                       | ND     |           | 1.00 | 0.150 | ug/L |   |          | 10/23/25 14:45 | 1       |
| Trichlorofluoromethane                | ND     |           | 1.00 | 0.250 | ug/L |   |          | 10/23/25 14:45 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 5.00 | 0.840 | ug/L |   |          | 10/23/25 14:45 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 14:45 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 1.00 | 0.820 | ug/L |   |          | 10/23/25 14:45 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 1.00 | 0.560 | ug/L |   |          | 10/23/25 14:45 | 1       |
| Vinyl acetate                         | ND     |           | 25.0 | 0.930 | ug/L |   |          | 10/23/25 14:45 | 1       |
| Vinyl chloride                        | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 14:45 | 1       |
| Xylenes, Total                        | ND     |           | 10.0 | 6.00  | ug/L |   |          | 10/23/25 14:45 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene         | 103       |           | 56 - 136 |          | 10/23/25 14:45 | 1       |
| Dibromofluoromethane         | 106       |           | 79 - 130 |          | 10/23/25 14:45 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 106       |           | 59 - 146 |          | 10/23/25 14:45 | 1       |
| Toluene-d8 (Surr)            | 102       |           | 64 - 132 |          | 10/23/25 14:45 | 1       |

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

| Analyte     | Result | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| 1,4-Dioxane | ND     |           | 0.287 | 0.287 | ug/L |   | 10/17/25 16:54 | 10/21/25 19:30 | 1       |

| Isotope Dilution | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Dioxane-d8   | 28        |           | 10 - 140 | 10/17/25 16:54 | 10/21/25 19:30 | 1       |

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

| Analyte               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| 1,1'-Biphenyl         | ND     |           | 10.1 | 0.424 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| 2,4,5-Trichlorophenol | ND     |           | 10.1 | 0.545 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| 2,4,6-Trichlorophenol | ND     |           | 10.1 | 1.10  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| 2,4-Dichlorophenol    | ND     |           | 10.1 | 0.576 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| 2,4-Dimethylphenol    | ND     |           | 10.1 | 0.242 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| 2,4-Dinitrophenol     | ND     |           | 30.3 | 4.73  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| 2,4-Dinitrotoluene    | ND     |           | 10.1 | 0.657 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| 2,6-Dinitrotoluene    | ND     |           | 10.1 | 0.293 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| 2-Chloronaphthalene   | ND     |           | 10.1 | 0.384 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| 2-Chlorophenol        | ND     |           | 10.1 | 0.848 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| 2-Methylnaphthalene   | ND     |           | 10.1 | 0.818 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |

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# Client Sample Results

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

Job ID: 752-38193-1

**Client Sample ID: SW-2**  
**Date Collected: 10/16/25 10:20**  
**Date Received: 10/16/25 15:00**

**Lab Sample ID: 752-38193-2**  
**Matrix: Water**

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

| Analyte                       | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| 2-Methylphenol                | ND     |           | 10.1 | 0.768 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| 2-Nitroaniline                | ND     |           | 10.1 | 1.38  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| 2-Nitrophenol                 | ND     |           | 10.1 | 1.18  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| 3 & 4 Methylphenol            | ND     |           | 20.2 | 4.65  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 11.1 | 0.414 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| 3-Nitroaniline                | ND     |           | 10.1 | 0.960 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 10.1 | 1.99  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 10.1 | 0.131 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 10.1 | 0.737 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| 4-Chloroaniline               | ND     |           | 10.1 | 0.586 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 10.1 | 0.242 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| 4-Nitroaniline                | ND     |           | 10.1 | 3.54  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| 4-Nitrophenol                 | ND     |           | 10.1 | 2.77  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| Acenaphthene                  | ND     |           | 10.1 | 0.636 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| Acenaphthylene                | ND     |           | 10.1 | 0.768 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| Acetophenone                  | ND     |           | 10.1 | 3.23  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| Anthracene                    | ND     |           | 10.1 | 0.919 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| Atrazine                      | ND     |           | 10.1 | 1.14  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| Benzaldehyde                  | ND     |           | 10.1 | 0.677 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| Benzo[a]anthracene            | ND     |           | 10.1 | 1.01  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| Benzo[a]pyrene                | ND     |           | 10.1 | 1.11  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| Benzo[b]fluoranthene          | ND     |           | 10.1 | 1.21  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| Benzo[g,h,i]perylene          | ND     |           | 10.1 | 1.52  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| Benzo[k]fluoranthene          | ND     |           | 10.1 | 1.52  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 10.1 | 0.939 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 10.1 | 0.343 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 10.1 | 0.737 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 10.1 | 4.04  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| Butyl benzyl phthalate        | ND     |           | 10.1 | 4.04  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| Caprolactam                   | ND     | +         | 10.1 | 2.42  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| Carbazole                     | ND     |           | 10.1 | 0.323 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| Chrysene                      | ND     |           | 10.1 | 1.21  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 10.1 | 1.31  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| Dibenzofuran                  | ND     |           | 10.1 | 0.646 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| Diethyl phthalate             | ND     |           | 10.1 | 4.04  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| Dimethyl phthalate            | ND     |           | 10.1 | 4.04  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| Di-n-butyl phthalate          | ND     |           | 10.1 | 8.27  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| Di-n-octyl phthalate          | ND     |           | 10.1 | 4.04  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| Fluoranthene                  | ND     |           | 10.1 | 0.636 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| Fluorene                      | ND     |           | 10.1 | 0.677 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| Hexachlorobenzene             | ND     |           | 10.1 | 0.253 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| Hexachlorobutadiene           | ND     |           | 10.1 | 0.556 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| Hexachlorocyclopentadiene     | ND     |           | 20.2 | 0.323 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| Hexachloroethane              | ND     |           | 10.1 | 0.535 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| Indeno[1,2,3-cd]pyrene        | ND     |           | 10.1 | 1.11  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| Isophorone                    | ND     |           | 10.1 | 0.808 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| Naphthalene                   | ND     |           | 10.1 | 0.758 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| Nitrobenzene                  | ND     |           | 10.1 | 0.606 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| N-Nitrosodi-n-propylamine     | ND     |           | 10.1 | 0.333 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |

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# Client Sample Results

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

Job ID: 752-38193-1

**Client Sample ID: SW-2**

**Lab Sample ID: 752-38193-2**

Date Collected: 10/16/25 10:20

Matrix: Water

Date Received: 10/16/25 15:00

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

| Analyte                | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| N-Nitrosodiphenylamine | ND     |           | 10.1 | 0.192 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| Pentachlorophenol      | ND     |           | 10.1 | 2.83  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| Phenanthrene           | ND     |           | 10.1 | 0.747 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| Phenol                 | ND     |           | 10.1 | 0.687 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| Pyrene                 | ND     |           | 10.1 | 0.636 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:24 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   |  |  |  | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|--|--|--|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 124       |           | 10 - 150 |  |  |  | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| 2-Fluorobiphenyl (Surr)     | 91        |           | 25 - 139 |  |  |  | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| 2-Fluorophenol (Surr)       | 82        |           | 10 - 150 |  |  |  | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| Nitrobenzene-d5 (Surr)      | 130       |           | 22 - 150 |  |  |  | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| Phenol-d5 (Surr)            | 79        |           | 10 - 150 |  |  |  | 10/20/25 11:41 | 10/25/25 18:24 | 1       |
| Terphenyl-d14 (Surr)        | 57        |           | 28 - 150 |  |  |  | 10/20/25 11:41 | 10/25/25 18:24 | 1       |

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

| Analyte          | Result       | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Antimony         | ND           |           | 5.00  | 2.45  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:18 | 1       |
| <b>Arsenic</b>   | <b>1.84</b>  | <b>J</b>  | 5.00  | 1.32  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:18 | 1       |
| <b>Barium</b>    | <b>52.5</b>  |           | 10.0  | 0.410 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:18 | 1       |
| Beryllium        | ND           |           | 1.00  | 0.147 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:18 | 1       |
| Cadmium          | ND           |           | 0.700 | 0.237 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:18 | 1       |
| Chromium         | ND           |           | 5.00  | 3.69  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:18 | 1       |
| <b>Cobalt</b>    | <b>0.606</b> | <b>J</b>  | 5.00  | 0.411 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:18 | 1       |
| <b>Copper</b>    | <b>4.65</b>  |           | 2.00  | 0.642 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:18 | 1       |
| <b>Lead</b>      | <b>1.52</b>  |           | 1.00  | 0.864 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:18 | 1       |
| <b>Manganese</b> | <b>86.0</b>  |           | 5.00  | 1.29  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:18 | 1       |
| <b>Nickel</b>    | <b>2.42</b>  | <b>J</b>  | 5.00  | 0.422 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:18 | 1       |
| Selenium         | ND           |           | 5.00  | 2.29  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:18 | 1       |
| Silver           | ND           |           | 1.00  | 0.167 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:18 | 1       |
| Thallium         | ND           |           | 1.00  | 0.190 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:18 | 1       |
| <b>Vanadium</b>  | <b>1.63</b>  | <b>J</b>  | 5.00  | 1.22  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:18 | 1       |
| <b>Zinc</b>      | <b>29.7</b>  |           | 10.0  | 8.91  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:18 | 1       |

**Method: SW846 7470A - Mercury (CVAA)**

| Analyte | Result | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.200 | 0.166 | ug/L |   | 10/24/25 12:28 | 10/24/25 18:22 | 1       |

**General Chemistry**

| Analyte                                     | Result        | Qualifier | RL     | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|---|---------------|-----------|--------|--------|------|---|----------|----------------|---------|
| Ammonia (as N) (EPA 350.1)                  | ND            |           | 0.0500 | 0.0460 | mg/L |   |          | 10/25/25 11:58 | 1       |
| <b>Nitrite as N (EPA 353.2)</b>             | <b>0.0328</b> | <b>J</b>  | 0.100  | 0.0168 | mg/L |   |          | 10/16/25 17:06 | 1       |
| Nitrate as N (SM Nitrate by calc)           | ND            |           | 0.100  | 0.0250 | mg/L |   |          | 10/21/25 09:48 | 1       |
| <b>Nitrate Nitrite as N (SM 4500 NO3 F)</b> | <b>0.0370</b> | <b>J</b>  | 0.0500 | 0.0180 | mg/L |   |          | 10/21/25 17:47 | 1       |
| <b>Sulfate (SM 4500 SO4 E)</b>              | <b>26.1</b>   |           | 5.00   | 1.40   | mg/L |   |          | 10/20/25 15:54 | 1       |

# Client Sample Results

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

Job ID: 752-38193-1

**Client Sample ID: SW-3**  
**Date Collected: 10/16/25 10:45**  
**Date Received: 10/16/25 15:00**

**Lab Sample ID: 752-38193-3**  
**Matrix: Water**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

| Analyte                     | Result | Qualifier | RL   | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|--------|------|---|----------|----------------|---------|
| Acetone                     | ND     |           | 25.0 | 10.0   | ug/L |   |          | 10/23/25 15:10 | 1       |
| Benzene                     | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 15:10 | 1       |
| Bromobenzene                | ND     |           | 1.00 | 0.540  | ug/L |   |          | 10/23/25 15:10 | 1       |
| Bromoform                   | ND     |           | 5.00 | 0.250  | ug/L |   |          | 10/23/25 15:10 | 1       |
| Bromomethane                | ND     |           | 1.00 | 0.980  | ug/L |   |          | 10/23/25 15:10 | 1       |
| 2-Butanone (MEK)            | ND     |           | 25.0 | 2.60   | ug/L |   |          | 10/23/25 15:10 | 1       |
| Carbon disulfide            | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 15:10 | 1       |
| Carbon tetrachloride        | ND     |           | 1.00 | 0.190  | ug/L |   |          | 10/23/25 15:10 | 1       |
| Chlorobenzene               | ND     |           | 1.00 | 0.420  | ug/L |   |          | 10/23/25 15:10 | 1       |
| Chlorobromomethane          | ND     |           | 1.00 | 0.520  | ug/L |   |          | 10/23/25 15:10 | 1       |
| Chlorodibromomethane        | ND     |           | 1.00 | 0.240  | ug/L |   |          | 10/23/25 15:10 | 1       |
| Chloroethane                | ND     |           | 1.00 | 0.760  | ug/L |   |          | 10/23/25 15:10 | 1       |
| Chloroform                  | ND     |           | 1.00 | 0.900  | ug/L |   |          | 10/23/25 15:10 | 1       |
| Chloromethane               | ND     |           | 1.00 | 0.400  | ug/L |   |          | 10/23/25 15:10 | 1       |
| 2-Chlorotoluene             | ND     |           | 1.00 | 0.570  | ug/L |   |          | 10/23/25 15:10 | 1       |
| 4-Chlorotoluene             | ND     |           | 1.00 | 0.560  | ug/L |   |          | 10/23/25 15:10 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 1.00 | 0.200  | ug/L |   |          | 10/23/25 15:10 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 5.00 | 0.500  | ug/L |   |          | 10/23/25 15:10 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND     |           | 5.00 | 1.50   | ug/L |   |          | 10/23/25 15:10 | 1       |
| Dibromomethane              | ND     |           | 5.00 | 0.220  | ug/L |   |          | 10/23/25 15:10 | 1       |
| 1,2-Dichlorobenzene         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 15:10 | 1       |
| 1,3-Dichlorobenzene         | ND     |           | 1.00 | 0.540  | ug/L |   |          | 10/23/25 15:10 | 1       |
| 1,4-Dichlorobenzene         | ND     |           | 1.00 | 0.640  | ug/L |   |          | 10/23/25 15:10 | 1       |
| Dichlorobromomethane        | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 15:10 | 1       |
| 1,1-Dichloroethane          | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 15:10 | 1       |
| 1,2-Dichloroethane          | ND     |           | 1.00 | 0.550  | ug/L |   |          | 10/23/25 15:10 | 1       |
| 1,1-Dichloroethene          | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 15:10 | 1       |
| 1,2-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 15:10 | 1       |
| 1,3-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 15:10 | 1       |
| 2,2-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 15:10 | 1       |
| 1,1-Dichloropropene         | ND     |           | 1.00 | 0.0900 | ug/L |   |          | 10/23/25 15:10 | 1       |
| Ethyl acetate               | ND     |           | 10.0 | 6.14   | ug/L |   |          | 10/23/25 15:10 | 1       |
| Ethylbenzene                | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 15:10 | 1       |
| Ethylene Dibromide          | ND     |           | 1.00 | 0.230  | ug/L |   |          | 10/23/25 15:10 | 1       |
| Hexachlorobutadiene         | ND     |           | 5.00 | 0.900  | ug/L |   |          | 10/23/25 15:10 | 1       |
| Hexane                      | ND     |           | 1.00 | 0.960  | ug/L |   |          | 10/23/25 15:10 | 1       |
| 2-Hexanone                  | ND     |           | 25.0 | 4.26   | ug/L |   |          | 10/23/25 15:10 | 1       |
| Iodomethane                 | ND     |           | 1.00 | 0.900  | ug/L |   |          | 10/23/25 15:10 | 1       |
| Isopropylbenzene            | ND     |           | 1.00 | 0.530  | ug/L |   |          | 10/23/25 15:10 | 1       |
| Isopropyl ether             | ND     |           | 1.00 | 0.740  | ug/L |   |          | 10/23/25 15:10 | 1       |
| 4-Isopropyltoluene          | ND     |           | 1.00 | 0.710  | ug/L |   |          | 10/23/25 15:10 | 1       |
| Methylene Chloride          | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 15:10 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     |           | 25.0 | 1.80   | ug/L |   |          | 10/23/25 15:10 | 1       |
| Methyl tert-butyl ether     | ND     |           | 1.00 | 0.220  | ug/L |   |          | 10/23/25 15:10 | 1       |
| m-Xylene & p-Xylene         | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 15:10 | 1       |
| Naphthalene                 | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 15:10 | 1       |
| n-Butylbenzene              | ND     |           | 1.00 | 0.760  | ug/L |   |          | 10/23/25 15:10 | 1       |
| n-Heptane                   | ND     |           | 1.00 | 0.210  | ug/L |   |          | 10/23/25 15:10 | 1       |
| N-Propylbenzene             | ND     |           | 1.00 | 0.690  | ug/L |   |          | 10/23/25 15:10 | 1       |

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# Client Sample Results

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

Job ID: 752-38193-1

**Client Sample ID: SW-3**  
**Date Collected: 10/16/25 10:45**  
**Date Received: 10/16/25 15:00**

**Lab Sample ID: 752-38193-3**  
**Matrix: Water**

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| o-Xylene                              | ND     |           | 5.00 | 3.00  | ug/L |   |          | 10/23/25 15:10 | 1       |
| sec-Butylbenzene                      | ND     |           | 1.00 | 0.700 | ug/L |   |          | 10/23/25 15:10 | 1       |
| Styrene                               | ND     |           | 1.00 | 1.00  | ug/L |   |          | 10/23/25 15:10 | 1       |
| tert-Butylbenzene                     | ND     |           | 1.00 | 0.630 | ug/L |   |          | 10/23/25 15:10 | 1       |
| 1,1,1,2-Tetrachloroethane             | ND     |           | 1.00 | 0.380 | ug/L |   |          | 10/23/25 15:10 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 15:10 | 1       |
| Tetrachloroethene                     | ND     |           | 1.00 | 0.330 | ug/L |   |          | 10/23/25 15:10 | 1       |
| Toluene                               | ND     |           | 1.00 | 0.900 | ug/L |   |          | 10/23/25 15:10 | 1       |
| trans-1,4-Dichloro-2-butene           | ND     |           | 5.00 | 1.00  | ug/L |   |          | 10/23/25 15:10 | 1       |
| trans-1,2-Dichloroethene              | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 15:10 | 1       |
| trans-1,3-Dichloropropene             | ND     |           | 5.00 | 0.200 | ug/L |   |          | 10/23/25 15:10 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 1.00 | 0.900 | ug/L |   |          | 10/23/25 15:10 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 1.00 | 0.820 | ug/L |   |          | 10/23/25 15:10 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 1.00 | 0.180 | ug/L |   |          | 10/23/25 15:10 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 5.00 | 0.210 | ug/L |   |          | 10/23/25 15:10 | 1       |
| Trichloroethene                       | ND     |           | 1.00 | 0.150 | ug/L |   |          | 10/23/25 15:10 | 1       |
| Trichlorofluoromethane                | ND     |           | 1.00 | 0.250 | ug/L |   |          | 10/23/25 15:10 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 5.00 | 0.840 | ug/L |   |          | 10/23/25 15:10 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 15:10 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 1.00 | 0.820 | ug/L |   |          | 10/23/25 15:10 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 1.00 | 0.560 | ug/L |   |          | 10/23/25 15:10 | 1       |
| Vinyl acetate                         | ND     |           | 25.0 | 0.930 | ug/L |   |          | 10/23/25 15:10 | 1       |
| Vinyl chloride                        | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 15:10 | 1       |
| Xylenes, Total                        | ND     |           | 10.0 | 6.00  | ug/L |   |          | 10/23/25 15:10 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene         | 104       |           | 56 - 136 |          | 10/23/25 15:10 | 1       |
| Dibromofluoromethane         | 106       |           | 79 - 130 |          | 10/23/25 15:10 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 105       |           | 59 - 146 |          | 10/23/25 15:10 | 1       |
| Toluene-d8 (Surr)            | 101       |           | 64 - 132 |          | 10/23/25 15:10 | 1       |

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

| Analyte     | Result | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| 1,4-Dioxane | ND     |           | 0.275 | 0.275 | ug/L |   | 10/17/25 16:54 | 10/21/25 19:52 | 1       |

| Isotope Dilution | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Dioxane-d8   | 28        |           | 10 - 140 | 10/17/25 16:54 | 10/21/25 19:52 | 1       |

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

| Analyte               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| 1,1'-Biphenyl         | ND     |           | 9.97 | 0.419 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| 2,4,5-Trichlorophenol | ND     |           | 9.97 | 0.538 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| 2,4,6-Trichlorophenol | ND     |           | 9.97 | 1.09  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| 2,4-Dichlorophenol    | ND     |           | 9.97 | 0.568 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| 2,4-Dimethylphenol    | ND     |           | 9.97 | 0.239 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| 2,4-Dinitrophenol     | ND     |           | 29.9 | 4.66  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| 2,4-Dinitrotoluene    | ND     |           | 9.97 | 0.648 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| 2,6-Dinitrotoluene    | ND     |           | 9.97 | 0.289 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| 2-Chloronaphthalene   | ND     |           | 9.97 | 0.379 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| 2-Chlorophenol        | ND     |           | 9.97 | 0.837 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| 2-Methylnaphthalene   | ND     |           | 9.97 | 0.807 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |

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# Client Sample Results

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

Job ID: 752-38193-1

**Client Sample ID: SW-3**  
**Date Collected: 10/16/25 10:45**  
**Date Received: 10/16/25 15:00**

**Lab Sample ID: 752-38193-3**  
**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     |           | 9.97 | 0.757 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| 2-Nitroaniline                | ND     |           | 9.97 | 1.37  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| 2-Nitrophenol                 | ND     |           | 9.97 | 1.17  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| 3 & 4 Methylphenol            | ND     |           | 19.9 | 4.58  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 11.0 | 0.409 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| 3-Nitroaniline                | ND     |           | 9.97 | 0.947 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 9.97 | 1.96  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 9.97 | 0.130 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 9.97 | 0.728 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| 4-Chloroaniline               | ND     |           | 9.97 | 0.578 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 9.97 | 0.239 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| 4-Nitroaniline                | ND     |           | 9.97 | 3.49  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| 4-Nitrophenol                 | ND     |           | 9.97 | 2.73  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| Acenaphthene                  | ND     |           | 9.97 | 0.628 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| Acenaphthylene                | ND     |           | 9.97 | 0.757 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| Acetophenone                  | ND     |           | 9.97 | 3.19  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| Anthracene                    | ND     |           | 9.97 | 0.907 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| Atrazine                      | ND     |           | 9.97 | 1.13  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| Benzaldehyde                  | ND     |           | 9.97 | 0.668 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| Benzo[a]anthracene            | ND     |           | 9.97 | 0.997 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| Benzo[a]pyrene                | ND     |           | 9.97 | 1.10  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| Benzo[b]fluoranthene          | ND     |           | 9.97 | 1.20  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| Benzo[g,h,i]perylene          | ND     |           | 9.97 | 1.50  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| Benzo[k]fluoranthene          | ND     |           | 9.97 | 1.50  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 9.97 | 0.927 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 9.97 | 0.339 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 9.97 | 0.728 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 9.97 | 3.99  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| Butyl benzyl phthalate        | ND     |           | 9.97 | 3.99  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| Caprolactam                   | ND     | +         | 9.97 | 2.39  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| Carbazole                     | ND     |           | 9.97 | 0.319 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| Chrysene                      | ND     |           | 9.97 | 1.20  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 9.97 | 1.30  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| Dibenzofuran                  | ND     |           | 9.97 | 0.638 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| Diethyl phthalate             | ND     |           | 9.97 | 3.99  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| Dimethyl phthalate            | ND     |           | 9.97 | 3.99  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| Di-n-butyl phthalate          | ND     |           | 9.97 | 8.16  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| Di-n-octyl phthalate          | ND     |           | 9.97 | 3.99  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| Fluoranthene                  | ND     |           | 9.97 | 0.628 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| Fluorene                      | ND     |           | 9.97 | 0.668 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| Hexachlorobenzene             | ND     |           | 9.97 | 0.249 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| Hexachlorobutadiene           | ND     |           | 9.97 | 0.548 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| Hexachlorocyclopentadiene     | ND     |           | 19.9 | 0.319 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| Hexachloroethane              | ND     |           | 9.97 | 0.528 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| Indeno[1,2,3-cd]pyrene        | ND     |           | 9.97 | 1.10  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| Isophorone                    | ND     |           | 9.97 | 0.797 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| Naphthalene                   | ND     |           | 9.97 | 0.748 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| Nitrobenzene                  | ND     |           | 9.97 | 0.598 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| N-Nitrosodi-n-propylamine     | ND     |           | 9.97 | 0.329 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |

Eurofins Raleigh

# Client Sample Results

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

Job ID: 752-38193-1

**Client Sample ID: SW-3**  
Date Collected: 10/16/25 10:45  
Date Received: 10/16/25 15:00

**Lab Sample ID: 752-38193-3**  
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     |           | 9.97 | 0.189 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| Pentachlorophenol      | ND     |           | 9.97 | 2.79  | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| Phenanthrene           | ND     |           | 9.97 | 0.738 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| Phenol                 | ND     |           | 9.97 | 0.678 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| Pyrene                 | ND     |           | 9.97 | 0.628 | ug/L |   | 10/20/25 11:41 | 10/25/25 18:56 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   |  |  |  | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|--|--|--|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 119       |           | 10 - 150 |  |  |  | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| 2-Fluorobiphenyl (Surr)     | 86        |           | 25 - 139 |  |  |  | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| 2-Fluorophenol (Surr)       | 77        |           | 10 - 150 |  |  |  | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| Nitrobenzene-d5 (Surr)      | 127       |           | 22 - 150 |  |  |  | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| Phenol-d5 (Surr)            | 74        |           | 10 - 150 |  |  |  | 10/20/25 11:41 | 10/25/25 18:56 | 1       |
| Terphenyl-d14 (Surr)        | 57        |           | 28 - 150 |  |  |  | 10/20/25 11:41 | 10/25/25 18:56 | 1       |

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

| Analyte          | Result       | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Antimony         | ND           |           | 5.00  | 2.45  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:21 | 1       |
| <b>Arsenic</b>   | <b>1.48</b>  | <b>J</b>  | 5.00  | 1.32  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:21 | 1       |
| <b>Barium</b>    | <b>56.5</b>  |           | 10.0  | 0.410 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:21 | 1       |
| Beryllium        | ND           |           | 1.00  | 0.147 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:21 | 1       |
| Cadmium          | ND           |           | 0.700 | 0.237 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:21 | 1       |
| Chromium         | ND           |           | 5.00  | 3.69  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:21 | 1       |
| <b>Cobalt</b>    | <b>0.580</b> | <b>J</b>  | 5.00  | 0.411 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:21 | 1       |
| <b>Copper</b>    | <b>4.23</b>  |           | 2.00  | 0.642 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:21 | 1       |
| <b>Lead</b>      | <b>1.46</b>  |           | 1.00  | 0.864 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:21 | 1       |
| <b>Manganese</b> | <b>150</b>   |           | 5.00  | 1.29  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:21 | 1       |
| <b>Nickel</b>    | <b>2.50</b>  | <b>J</b>  | 5.00  | 0.422 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:21 | 1       |
| Selenium         | ND           |           | 5.00  | 2.29  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:21 | 1       |
| Silver           | ND           |           | 1.00  | 0.167 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:21 | 1       |
| Thallium         | ND           |           | 1.00  | 0.190 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:21 | 1       |
| <b>Vanadium</b>  | <b>1.40</b>  | <b>J</b>  | 5.00  | 1.22  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:21 | 1       |
| <b>Zinc</b>      | <b>18.3</b>  |           | 10.0  | 8.91  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:21 | 1       |

## Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.200 | 0.166 | ug/L |   | 10/24/25 12:28 | 10/24/25 18:25 | 1       |

## General Chemistry

| Analyte                              | Result        | Qualifier | RL     | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|--------------------------------------|---------------|-----------|--------|--------|------|---|----------|----------------|---------|
| <b>Ammonia (as N) (EPA 350.1)</b>    | <b>0.0630</b> |           | 0.0500 | 0.0460 | mg/L |   |          | 10/25/25 12:01 | 1       |
| Nitrite as N (EPA 353.2)             | ND            |           | 0.100  | 0.0168 | mg/L |   |          | 10/16/25 17:08 | 1       |
| Nitrate as N (SM Nitrate by calc)    | ND            |           | 0.100  | 0.0250 | mg/L |   |          | 10/21/25 09:48 | 1       |
| Nitrate Nitrite as N (SM 4500 NO3 F) | ND            |           | 0.0500 | 0.0180 | mg/L |   |          | 10/20/25 14:04 | 1       |
| <b>Sulfate (SM 4500 SO4 E)</b>       | <b>22.1</b>   |           | 5.00   | 1.40   | mg/L |   |          | 10/20/25 15:55 | 1       |

# Client Sample Results

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

Job ID: 752-38193-1

**Client Sample ID: SW-4**

**Lab Sample ID: 752-38193-4**

**Date Collected: 10/16/25 11:30**

**Matrix: Water**

**Date Received: 10/16/25 15:00**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

| Analyte                     | Result | Qualifier | RL   | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|--------|------|---|----------|----------------|---------|
| Acetone                     | ND     |           | 25.0 | 10.0   | ug/L |   |          | 10/23/25 18:06 | 1       |
| Benzene                     | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 18:06 | 1       |
| Bromobenzene                | ND     |           | 1.00 | 0.540  | ug/L |   |          | 10/23/25 18:06 | 1       |
| Bromoform                   | ND     |           | 5.00 | 0.250  | ug/L |   |          | 10/23/25 18:06 | 1       |
| Bromomethane                | ND     |           | 1.00 | 0.980  | ug/L |   |          | 10/23/25 18:06 | 1       |
| 2-Butanone (MEK)            | ND     |           | 25.0 | 2.60   | ug/L |   |          | 10/23/25 18:06 | 1       |
| Carbon disulfide            | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 18:06 | 1       |
| Carbon tetrachloride        | ND     |           | 1.00 | 0.190  | ug/L |   |          | 10/23/25 18:06 | 1       |
| Chlorobenzene               | ND     |           | 1.00 | 0.420  | ug/L |   |          | 10/23/25 18:06 | 1       |
| Chlorobromomethane          | ND     |           | 1.00 | 0.520  | ug/L |   |          | 10/23/25 18:06 | 1       |
| Chlorodibromomethane        | ND     |           | 1.00 | 0.240  | ug/L |   |          | 10/23/25 18:06 | 1       |
| Chloroethane                | ND     |           | 1.00 | 0.760  | ug/L |   |          | 10/23/25 18:06 | 1       |
| Chloroform                  | ND     |           | 1.00 | 0.900  | ug/L |   |          | 10/23/25 18:06 | 1       |
| Chloromethane               | ND     |           | 1.00 | 0.400  | ug/L |   |          | 10/23/25 18:06 | 1       |
| 2-Chlorotoluene             | ND     |           | 1.00 | 0.570  | ug/L |   |          | 10/23/25 18:06 | 1       |
| 4-Chlorotoluene             | ND     |           | 1.00 | 0.560  | ug/L |   |          | 10/23/25 18:06 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 1.00 | 0.200  | ug/L |   |          | 10/23/25 18:06 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 5.00 | 0.500  | ug/L |   |          | 10/23/25 18:06 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND     |           | 5.00 | 1.50   | ug/L |   |          | 10/23/25 18:06 | 1       |
| Dibromomethane              | ND     |           | 5.00 | 0.220  | ug/L |   |          | 10/23/25 18:06 | 1       |
| 1,2-Dichlorobenzene         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 18:06 | 1       |
| 1,3-Dichlorobenzene         | ND     |           | 1.00 | 0.540  | ug/L |   |          | 10/23/25 18:06 | 1       |
| 1,4-Dichlorobenzene         | ND     |           | 1.00 | 0.640  | ug/L |   |          | 10/23/25 18:06 | 1       |
| Dichlorobromomethane        | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 18:06 | 1       |
| 1,1-Dichloroethane          | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 18:06 | 1       |
| 1,2-Dichloroethane          | ND     |           | 1.00 | 0.550  | ug/L |   |          | 10/23/25 18:06 | 1       |
| 1,1-Dichloroethene          | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 18:06 | 1       |
| 1,2-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 18:06 | 1       |
| 1,3-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 18:06 | 1       |
| 2,2-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 18:06 | 1       |
| 1,1-Dichloropropene         | ND     |           | 1.00 | 0.0900 | ug/L |   |          | 10/23/25 18:06 | 1       |
| Ethyl acetate               | ND     |           | 10.0 | 6.14   | ug/L |   |          | 10/23/25 18:06 | 1       |
| Ethylbenzene                | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 18:06 | 1       |
| Ethylene Dibromide          | ND     |           | 1.00 | 0.230  | ug/L |   |          | 10/23/25 18:06 | 1       |
| Hexachlorobutadiene         | ND     |           | 5.00 | 0.900  | ug/L |   |          | 10/23/25 18:06 | 1       |
| Hexane                      | ND     |           | 1.00 | 0.960  | ug/L |   |          | 10/23/25 18:06 | 1       |
| 2-Hexanone                  | ND     |           | 25.0 | 4.26   | ug/L |   |          | 10/23/25 18:06 | 1       |
| Iodomethane                 | ND     |           | 1.00 | 0.900  | ug/L |   |          | 10/23/25 18:06 | 1       |
| Isopropylbenzene            | ND     |           | 1.00 | 0.530  | ug/L |   |          | 10/23/25 18:06 | 1       |
| Isopropyl ether             | ND     |           | 1.00 | 0.740  | ug/L |   |          | 10/23/25 18:06 | 1       |
| 4-Isopropyltoluene          | ND     |           | 1.00 | 0.710  | ug/L |   |          | 10/23/25 18:06 | 1       |
| Methylene Chloride          | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 18:06 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     |           | 25.0 | 1.80   | ug/L |   |          | 10/23/25 18:06 | 1       |
| Methyl tert-butyl ether     | ND     |           | 1.00 | 0.220  | ug/L |   |          | 10/23/25 18:06 | 1       |
| m-Xylene & p-Xylene         | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 18:06 | 1       |
| Naphthalene                 | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 18:06 | 1       |
| n-Butylbenzene              | ND     |           | 1.00 | 0.760  | ug/L |   |          | 10/23/25 18:06 | 1       |
| n-Heptane                   | ND     |           | 1.00 | 0.210  | ug/L |   |          | 10/23/25 18:06 | 1       |
| N-Propylbenzene             | ND     |           | 1.00 | 0.690  | ug/L |   |          | 10/23/25 18:06 | 1       |

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# Client Sample Results

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

Job ID: 752-38193-1

**Client Sample ID: SW-4**  
**Date Collected: 10/16/25 11:30**  
**Date Received: 10/16/25 15:00**

**Lab Sample ID: 752-38193-4**  
**Matrix: Water**

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| o-Xylene                              | ND     |           | 5.00 | 3.00  | ug/L |   |          | 10/23/25 18:06 | 1       |
| sec-Butylbenzene                      | ND     |           | 1.00 | 0.700 | ug/L |   |          | 10/23/25 18:06 | 1       |
| Styrene                               | ND     |           | 1.00 | 1.00  | ug/L |   |          | 10/23/25 18:06 | 1       |
| tert-Butylbenzene                     | ND     |           | 1.00 | 0.630 | ug/L |   |          | 10/23/25 18:06 | 1       |
| 1,1,1,2-Tetrachloroethane             | ND     |           | 1.00 | 0.380 | ug/L |   |          | 10/23/25 18:06 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 18:06 | 1       |
| Tetrachloroethene                     | ND     |           | 1.00 | 0.330 | ug/L |   |          | 10/23/25 18:06 | 1       |
| Toluene                               | ND     |           | 1.00 | 0.900 | ug/L |   |          | 10/23/25 18:06 | 1       |
| trans-1,4-Dichloro-2-butene           | ND     |           | 5.00 | 1.00  | ug/L |   |          | 10/23/25 18:06 | 1       |
| trans-1,2-Dichloroethene              | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 18:06 | 1       |
| trans-1,3-Dichloropropene             | ND     |           | 5.00 | 0.200 | ug/L |   |          | 10/23/25 18:06 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 1.00 | 0.900 | ug/L |   |          | 10/23/25 18:06 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 1.00 | 0.820 | ug/L |   |          | 10/23/25 18:06 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 1.00 | 0.180 | ug/L |   |          | 10/23/25 18:06 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 5.00 | 0.210 | ug/L |   |          | 10/23/25 18:06 | 1       |
| Trichloroethene                       | ND     |           | 1.00 | 0.150 | ug/L |   |          | 10/23/25 18:06 | 1       |
| Trichlorofluoromethane                | ND     |           | 1.00 | 0.250 | ug/L |   |          | 10/23/25 18:06 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 5.00 | 0.840 | ug/L |   |          | 10/23/25 18:06 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 18:06 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 1.00 | 0.820 | ug/L |   |          | 10/23/25 18:06 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 1.00 | 0.560 | ug/L |   |          | 10/23/25 18:06 | 1       |
| Vinyl acetate                         | ND     |           | 25.0 | 0.930 | ug/L |   |          | 10/23/25 18:06 | 1       |
| Vinyl chloride                        | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 18:06 | 1       |
| Xylenes, Total                        | ND     |           | 10.0 | 6.00  | ug/L |   |          | 10/23/25 18:06 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene         | 105       |           | 56 - 136 |          | 10/23/25 18:06 | 1       |
| Dibromofluoromethane         | 103       |           | 79 - 130 |          | 10/23/25 18:06 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 106       |           | 59 - 146 |          | 10/23/25 18:06 | 1       |
| Toluene-d8 (Surr)            | 100       |           | 64 - 132 |          | 10/23/25 18:06 | 1       |

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

| Analyte     | Result | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| 1,4-Dioxane | ND     |           | 0.277 | 0.277 | ug/L |   | 10/17/25 16:54 | 10/21/25 20:14 | 1       |

| Isotope Dilution | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Dioxane-d8   | 27        |           | 10 - 140 | 10/17/25 16:54 | 10/21/25 20:14 | 1       |

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

| Analyte               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| 1,1'-Biphenyl         | ND     |           | 10.0 | 0.421 | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| 2,4,5-Trichlorophenol | ND     |           | 10.0 | 0.542 | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| 2,4,6-Trichlorophenol | ND     |           | 10.0 | 1.09  | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| 2,4-Dichlorophenol    | ND     |           | 10.0 | 0.572 | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| 2,4-Dimethylphenol    | ND     |           | 10.0 | 0.241 | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| 2,4-Dinitrophenol     | ND     |           | 30.1 | 4.70  | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| 2,4-Dinitrotoluene    | ND     |           | 10.0 | 0.652 | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| 2,6-Dinitrotoluene    | ND     |           | 10.0 | 0.291 | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| 2-Chloronaphthalene   | ND     |           | 10.0 | 0.381 | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| 2-Chlorophenol        | ND     |           | 10.0 | 0.843 | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| 2-Methylnaphthalene   | ND     |           | 10.0 | 0.813 | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |

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# Client Sample Results

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

Job ID: 752-38193-1

**Client Sample ID: SW-4**

**Lab Sample ID: 752-38193-4**

**Date Collected: 10/16/25 11:30**

**Matrix: Water**

**Date Received: 10/16/25 15:00**

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

| Analyte                       | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| 2-Methylphenol                | ND     |           | 10.0 | 0.763 | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| 2-Nitroaniline                | ND     |           | 10.0 | 1.37  | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| 2-Nitrophenol                 | ND     |           | 10.0 | 1.17  | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| 3 & 4 Methylphenol            | ND     |           | 20.1 | 4.62  | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 11.0 | 0.411 | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| 3-Nitroaniline                | ND     |           | 10.0 | 0.953 | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 10.0 | 1.98  | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 10.0 | 0.130 | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 10.0 | 0.732 | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| 4-Chloroaniline               | ND     |           | 10.0 | 0.582 | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 10.0 | 0.241 | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| 4-Nitroaniline                | ND     |           | 10.0 | 3.51  | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| 4-Nitrophenol                 | ND     |           | 10.0 | 2.75  | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| Acenaphthene                  | ND     |           | 10.0 | 0.632 | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| Acenaphthylene                | ND     |           | 10.0 | 0.763 | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| Acetophenone                  | ND     |           | 10.0 | 3.21  | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| Anthracene                    | ND     |           | 10.0 | 0.913 | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| Atrazine                      | ND     |           | 10.0 | 1.13  | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| Benzaldehyde                  | ND     |           | 10.0 | 0.672 | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| Benzo[a]anthracene            | ND     |           | 10.0 | 1.00  | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| Benzo[a]pyrene                | ND     |           | 10.0 | 1.10  | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| Benzo[b]fluoranthene          | ND     |           | 10.0 | 1.20  | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| Benzo[g,h,i]perylene          | ND     |           | 10.0 | 1.51  | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| Benzo[k]fluoranthene          | ND     |           | 10.0 | 1.51  | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 10.0 | 0.933 | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 10.0 | 0.341 | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 10.0 | 0.732 | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 10.0 | 4.01  | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| Butyl benzyl phthalate        | ND     |           | 10.0 | 4.01  | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| Caprolactam                   | ND     | +         | 10.0 | 2.41  | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| Carbazole                     | ND     |           | 10.0 | 0.321 | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| Chrysene                      | ND     |           | 10.0 | 1.20  | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 10.0 | 1.30  | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| Dibenzofuran                  | ND     |           | 10.0 | 0.642 | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| Diethyl phthalate             | ND     |           | 10.0 | 4.01  | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| Dimethyl phthalate            | ND     |           | 10.0 | 4.01  | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| Di-n-butyl phthalate          | ND     |           | 10.0 | 8.22  | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| Di-n-octyl phthalate          | ND     |           | 10.0 | 4.01  | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| Fluoranthene                  | ND     |           | 10.0 | 0.632 | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| Fluorene                      | ND     |           | 10.0 | 0.672 | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| Hexachlorobenzene             | ND     |           | 10.0 | 0.251 | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| Hexachlorobutadiene           | ND     |           | 10.0 | 0.552 | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| Hexachlorocyclopentadiene     | ND     |           | 20.1 | 0.321 | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| Hexachloroethane              | ND     |           | 10.0 | 0.532 | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| Indeno[1,2,3-cd]pyrene        | ND     |           | 10.0 | 1.10  | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| Isophorone                    | ND     |           | 10.0 | 0.803 | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| Naphthalene                   | ND     |           | 10.0 | 0.753 | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| Nitrobenzene                  | ND     |           | 10.0 | 0.602 | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| N-Nitrosodi-n-propylamine     | ND     |           | 10.0 | 0.331 | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |

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# Client Sample Results

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

Job ID: 752-38193-1

**Client Sample ID: SW-4**  
Date Collected: 10/16/25 11:30  
Date Received: 10/16/25 15:00

**Lab Sample ID: 752-38193-4**  
Matrix: Water

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

| Analyte                | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| N-Nitrosodiphenylamine | ND     |           | 10.0 | 0.191 | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| Pentachlorophenol      | ND     |           | 10.0 | 2.81  | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| Phenanthrene           | ND     |           | 10.0 | 0.742 | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| Phenol                 | ND     |           | 10.0 | 0.682 | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| Pyrene                 | ND     |           | 10.0 | 0.632 | ug/L |   | 10/20/25 11:41 | 10/25/25 19:28 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   |  |  |  | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|--|--|--|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 124       |           | 10 - 150 |  |  |  | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| 2-Fluorobiphenyl (Surr)     | 87        |           | 25 - 139 |  |  |  | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| 2-Fluorophenol (Surr)       | 79        |           | 10 - 150 |  |  |  | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| Nitrobenzene-d5 (Surr)      | 128       |           | 22 - 150 |  |  |  | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| Phenol-d5 (Surr)            | 75        |           | 10 - 150 |  |  |  | 10/20/25 11:41 | 10/25/25 19:28 | 1       |
| Terphenyl-d14 (Surr)        | 52        |           | 28 - 150 |  |  |  | 10/20/25 11:41 | 10/25/25 19:28 | 1       |

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

| Analyte          | Result       | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Antimony         | ND           |           | 5.00  | 2.45  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:23 | 1       |
| <b>Arsenic</b>   | <b>1.48</b>  | <b>J</b>  | 5.00  | 1.32  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:23 | 1       |
| <b>Barium</b>    | <b>62.6</b>  |           | 10.0  | 0.410 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:23 | 1       |
| Beryllium        | ND           |           | 1.00  | 0.147 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:23 | 1       |
| Cadmium          | ND           |           | 0.700 | 0.237 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:23 | 1       |
| Chromium         | ND           |           | 5.00  | 3.69  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:23 | 1       |
| <b>Cobalt</b>    | <b>0.792</b> | <b>J</b>  | 5.00  | 0.411 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:23 | 1       |
| <b>Copper</b>    | <b>2.89</b>  |           | 2.00  | 0.642 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:23 | 1       |
| <b>Lead</b>      | <b>1.92</b>  |           | 1.00  | 0.864 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:23 | 1       |
| <b>Manganese</b> | <b>333</b>   |           | 5.00  | 1.29  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:23 | 1       |
| <b>Nickel</b>    | <b>2.01</b>  | <b>J</b>  | 5.00  | 0.422 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:23 | 1       |
| Selenium         | ND           |           | 5.00  | 2.29  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:23 | 1       |
| Silver           | ND           |           | 1.00  | 0.167 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:23 | 1       |
| Thallium         | ND           |           | 1.00  | 0.190 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:23 | 1       |
| <b>Vanadium</b>  | <b>1.51</b>  | <b>J</b>  | 5.00  | 1.22  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:23 | 1       |
| <b>Zinc</b>      | <b>12.8</b>  |           | 10.0  | 8.91  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:23 | 1       |

## Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.200 | 0.166 | ug/L |   | 10/24/25 12:28 | 10/24/25 18:29 | 1       |

## General Chemistry

| Analyte                              | Result      | Qualifier | RL     | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|--------------------------------------|-------------|-----------|--------|--------|------|---|----------|----------------|---------|
| Ammonia (as N) (EPA 350.1)           | ND          |           | 0.0500 | 0.0460 | mg/L |   |          | 10/25/25 12:03 | 1       |
| Nitrite as N (EPA 353.2)             | ND          |           | 0.100  | 0.0168 | mg/L |   |          | 10/16/25 17:09 | 1       |
| Nitrate as N (SM Nitrate by calc)    | ND          |           | 0.100  | 0.0250 | mg/L |   |          | 10/21/25 09:48 | 1       |
| Nitrate Nitrite as N (SM 4500 NO3 F) | ND          |           | 0.0500 | 0.0180 | mg/L |   |          | 10/20/25 14:05 | 1       |
| <b>Sulfate (SM 4500 SO4 E)</b>       | <b>16.9</b> |           | 5.00   | 1.40   | mg/L |   |          | 10/20/25 15:55 | 1       |

# Client Sample Results

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

Job ID: 752-38193-1

**Client Sample ID: SW-5**  
**Date Collected: 10/16/25 12:00**  
**Date Received: 10/16/25 15:00**

**Lab Sample ID: 752-38193-5**  
**Matrix: Water**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

| Analyte                     | Result | Qualifier | RL   | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|--------|------|---|----------|----------------|---------|
| Acetone                     | ND     |           | 25.0 | 10.0   | ug/L |   |          | 10/23/25 18:31 | 1       |
| Benzene                     | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 18:31 | 1       |
| Bromobenzene                | ND     |           | 1.00 | 0.540  | ug/L |   |          | 10/23/25 18:31 | 1       |
| Bromoform                   | ND     |           | 5.00 | 0.250  | ug/L |   |          | 10/23/25 18:31 | 1       |
| Bromomethane                | ND     |           | 1.00 | 0.980  | ug/L |   |          | 10/23/25 18:31 | 1       |
| 2-Butanone (MEK)            | ND     |           | 25.0 | 2.60   | ug/L |   |          | 10/23/25 18:31 | 1       |
| Carbon disulfide            | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 18:31 | 1       |
| Carbon tetrachloride        | ND     |           | 1.00 | 0.190  | ug/L |   |          | 10/23/25 18:31 | 1       |
| Chlorobenzene               | ND     |           | 1.00 | 0.420  | ug/L |   |          | 10/23/25 18:31 | 1       |
| Chlorobromomethane          | ND     |           | 1.00 | 0.520  | ug/L |   |          | 10/23/25 18:31 | 1       |
| Chlorodibromomethane        | ND     |           | 1.00 | 0.240  | ug/L |   |          | 10/23/25 18:31 | 1       |
| Chloroethane                | ND     |           | 1.00 | 0.760  | ug/L |   |          | 10/23/25 18:31 | 1       |
| Chloroform                  | ND     |           | 1.00 | 0.900  | ug/L |   |          | 10/23/25 18:31 | 1       |
| Chloromethane               | ND     |           | 1.00 | 0.400  | ug/L |   |          | 10/23/25 18:31 | 1       |
| 2-Chlorotoluene             | ND     |           | 1.00 | 0.570  | ug/L |   |          | 10/23/25 18:31 | 1       |
| 4-Chlorotoluene             | ND     |           | 1.00 | 0.560  | ug/L |   |          | 10/23/25 18:31 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 1.00 | 0.200  | ug/L |   |          | 10/23/25 18:31 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 5.00 | 0.500  | ug/L |   |          | 10/23/25 18:31 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND     |           | 5.00 | 1.50   | ug/L |   |          | 10/23/25 18:31 | 1       |
| Dibromomethane              | ND     |           | 5.00 | 0.220  | ug/L |   |          | 10/23/25 18:31 | 1       |
| 1,2-Dichlorobenzene         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 18:31 | 1       |
| 1,3-Dichlorobenzene         | ND     |           | 1.00 | 0.540  | ug/L |   |          | 10/23/25 18:31 | 1       |
| 1,4-Dichlorobenzene         | ND     |           | 1.00 | 0.640  | ug/L |   |          | 10/23/25 18:31 | 1       |
| Dichlorobromomethane        | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 18:31 | 1       |
| 1,1-Dichloroethane          | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 18:31 | 1       |
| 1,2-Dichloroethane          | ND     |           | 1.00 | 0.550  | ug/L |   |          | 10/23/25 18:31 | 1       |
| 1,1-Dichloroethene          | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 18:31 | 1       |
| 1,2-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 18:31 | 1       |
| 1,3-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 18:31 | 1       |
| 2,2-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 18:31 | 1       |
| 1,1-Dichloropropene         | ND     |           | 1.00 | 0.0900 | ug/L |   |          | 10/23/25 18:31 | 1       |
| Ethyl acetate               | ND     |           | 10.0 | 6.14   | ug/L |   |          | 10/23/25 18:31 | 1       |
| Ethylbenzene                | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 18:31 | 1       |
| Ethylene Dibromide          | ND     |           | 1.00 | 0.230  | ug/L |   |          | 10/23/25 18:31 | 1       |
| Hexachlorobutadiene         | ND     |           | 5.00 | 0.900  | ug/L |   |          | 10/23/25 18:31 | 1       |
| Hexane                      | ND     |           | 1.00 | 0.960  | ug/L |   |          | 10/23/25 18:31 | 1       |
| 2-Hexanone                  | ND     |           | 25.0 | 4.26   | ug/L |   |          | 10/23/25 18:31 | 1       |
| Iodomethane                 | ND     |           | 1.00 | 0.900  | ug/L |   |          | 10/23/25 18:31 | 1       |
| Isopropylbenzene            | ND     |           | 1.00 | 0.530  | ug/L |   |          | 10/23/25 18:31 | 1       |
| Isopropyl ether             | ND     |           | 1.00 | 0.740  | ug/L |   |          | 10/23/25 18:31 | 1       |
| 4-Isopropyltoluene          | ND     |           | 1.00 | 0.710  | ug/L |   |          | 10/23/25 18:31 | 1       |
| Methylene Chloride          | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 18:31 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     |           | 25.0 | 1.80   | ug/L |   |          | 10/23/25 18:31 | 1       |
| Methyl tert-butyl ether     | ND     |           | 1.00 | 0.220  | ug/L |   |          | 10/23/25 18:31 | 1       |
| m-Xylene & p-Xylene         | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 18:31 | 1       |
| Naphthalene                 | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 18:31 | 1       |
| n-Butylbenzene              | ND     |           | 1.00 | 0.760  | ug/L |   |          | 10/23/25 18:31 | 1       |
| n-Heptane                   | ND     |           | 1.00 | 0.210  | ug/L |   |          | 10/23/25 18:31 | 1       |
| N-Propylbenzene             | ND     |           | 1.00 | 0.690  | ug/L |   |          | 10/23/25 18:31 | 1       |

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# Client Sample Results

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

Job ID: 752-38193-1

**Client Sample ID: SW-5**  
**Date Collected: 10/16/25 12:00**  
**Date Received: 10/16/25 15:00**

**Lab Sample ID: 752-38193-5**  
**Matrix: Water**

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| o-Xylene                              | ND     |           | 5.00 | 3.00  | ug/L |   |          | 10/23/25 18:31 | 1       |
| sec-Butylbenzene                      | ND     |           | 1.00 | 0.700 | ug/L |   |          | 10/23/25 18:31 | 1       |
| Styrene                               | ND     |           | 1.00 | 1.00  | ug/L |   |          | 10/23/25 18:31 | 1       |
| tert-Butylbenzene                     | ND     |           | 1.00 | 0.630 | ug/L |   |          | 10/23/25 18:31 | 1       |
| 1,1,1,2-Tetrachloroethane             | ND     |           | 1.00 | 0.380 | ug/L |   |          | 10/23/25 18:31 | 1       |
| 1,1,1,2,2-Tetrachloroethane           | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 18:31 | 1       |
| Tetrachloroethene                     | ND     |           | 1.00 | 0.330 | ug/L |   |          | 10/23/25 18:31 | 1       |
| Toluene                               | ND     |           | 1.00 | 0.900 | ug/L |   |          | 10/23/25 18:31 | 1       |
| trans-1,4-Dichloro-2-butene           | ND     |           | 5.00 | 1.00  | ug/L |   |          | 10/23/25 18:31 | 1       |
| trans-1,2-Dichloroethene              | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 18:31 | 1       |
| trans-1,3-Dichloropropene             | ND     |           | 5.00 | 0.200 | ug/L |   |          | 10/23/25 18:31 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 1.00 | 0.900 | ug/L |   |          | 10/23/25 18:31 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 1.00 | 0.820 | ug/L |   |          | 10/23/25 18:31 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 1.00 | 0.180 | ug/L |   |          | 10/23/25 18:31 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 5.00 | 0.210 | ug/L |   |          | 10/23/25 18:31 | 1       |
| Trichloroethene                       | ND     |           | 1.00 | 0.150 | ug/L |   |          | 10/23/25 18:31 | 1       |
| Trichlorofluoromethane                | ND     |           | 1.00 | 0.250 | ug/L |   |          | 10/23/25 18:31 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 5.00 | 0.840 | ug/L |   |          | 10/23/25 18:31 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 18:31 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 1.00 | 0.820 | ug/L |   |          | 10/23/25 18:31 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 1.00 | 0.560 | ug/L |   |          | 10/23/25 18:31 | 1       |
| Vinyl acetate                         | ND     |           | 25.0 | 0.930 | ug/L |   |          | 10/23/25 18:31 | 1       |
| Vinyl chloride                        | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 18:31 | 1       |
| Xylenes, Total                        | ND     |           | 10.0 | 6.00  | ug/L |   |          | 10/23/25 18:31 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene         | 102       |           | 56 - 136 |          | 10/23/25 18:31 | 1       |
| Dibromofluoromethane         | 108       |           | 79 - 130 |          | 10/23/25 18:31 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 109       |           | 59 - 146 |          | 10/23/25 18:31 | 1       |
| Toluene-d8 (Surr)            | 100       |           | 64 - 132 |          | 10/23/25 18:31 | 1       |

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

| Analyte     | Result | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| 1,4-Dioxane | ND     |           | 0.296 | 0.296 | ug/L |   | 10/17/25 16:54 | 10/21/25 20:35 | 1       |

| Isotope Dilution | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Dioxane-d8   | 30        |           | 10 - 140 | 10/17/25 16:54 | 10/21/25 20:35 | 1       |

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

| Analyte               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| 1,1'-Biphenyl         | ND     |           | 10.2 | 0.427 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| 2,4,5-Trichlorophenol | ND     |           | 10.2 | 0.549 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| 2,4,6-Trichlorophenol | ND     |           | 10.2 | 1.11  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| 2,4-Dichlorophenol    | ND     |           | 10.2 | 0.580 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| 2,4-Dimethylphenol    | ND     |           | 10.2 | 0.244 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| 2,4-Dinitrophenol     | ND     |           | 30.5 | 4.76  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| 2,4-Dinitrotoluene    | ND     |           | 10.2 | 0.661 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| 2,6-Dinitrotoluene    | ND     |           | 10.2 | 0.295 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| 2-Chloronaphthalene   | ND     |           | 10.2 | 0.386 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| 2-Chlorophenol        | ND     |           | 10.2 | 0.854 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| 2-Methylnaphthalene   | ND     |           | 10.2 | 0.824 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |

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# Client Sample Results

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

Job ID: 752-38193-1

**Client Sample ID: SW-5**  
**Date Collected: 10/16/25 12:00**  
**Date Received: 10/16/25 15:00**

**Lab Sample ID: 752-38193-5**  
**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     |           | 10.2 | 0.773 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| 2-Nitroaniline                | ND     |           | 10.2 | 1.39  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| 2-Nitrophenol                 | ND     |           | 10.2 | 1.19  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| 3 & 4 Methylphenol            | ND     |           | 20.3 | 4.68  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 11.2 | 0.417 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| 3-Nitroaniline                | ND     |           | 10.2 | 0.966 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 10.2 | 2.00  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 10.2 | 0.132 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 10.2 | 0.742 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| 4-Chloroaniline               | ND     |           | 10.2 | 0.590 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 10.2 | 0.244 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| 4-Nitroaniline                | ND     |           | 10.2 | 3.56  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| 4-Nitrophenol                 | ND     |           | 10.2 | 2.79  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| Acenaphthene                  | ND     |           | 10.2 | 0.641 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| Acenaphthylene                | ND     |           | 10.2 | 0.773 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| Acetophenone                  | ND     |           | 10.2 | 3.25  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| Anthracene                    | ND     |           | 10.2 | 0.925 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| Atrazine                      | ND     |           | 10.2 | 1.15  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| Benzaldehyde                  | ND     |           | 10.2 | 0.681 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| Benzo[a]anthracene            | ND     |           | 10.2 | 1.02  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| Benzo[a]pyrene                | ND     |           | 10.2 | 1.12  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| Benzo[b]fluoranthene          | ND     |           | 10.2 | 1.22  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| Benzo[g,h,i]perylene          | ND     |           | 10.2 | 1.53  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| Benzo[k]fluoranthene          | ND     |           | 10.2 | 1.53  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 10.2 | 0.946 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 10.2 | 0.346 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 10.2 | 0.742 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 10.2 | 4.07  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| Butyl benzyl phthalate        | ND     |           | 10.2 | 4.07  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| Caprolactam                   | ND     | +         | 10.2 | 2.44  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| Carbazole                     | ND     |           | 10.2 | 0.325 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| Chrysene                      | ND     |           | 10.2 | 1.22  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 10.2 | 1.32  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| Dibenzofuran                  | ND     |           | 10.2 | 0.651 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| Diethyl phthalate             | ND     |           | 10.2 | 4.07  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| Dimethyl phthalate            | ND     |           | 10.2 | 4.07  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| Di-n-butyl phthalate          | ND     |           | 10.2 | 8.33  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| Di-n-octyl phthalate          | ND     |           | 10.2 | 4.07  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| Fluoranthene                  | ND     |           | 10.2 | 0.641 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| Fluorene                      | ND     |           | 10.2 | 0.681 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| Hexachlorobenzene             | ND     |           | 10.2 | 0.254 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| Hexachlorobutadiene           | ND     |           | 10.2 | 0.559 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| Hexachlorocyclopentadiene     | ND     |           | 20.3 | 0.325 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| Hexachloroethane              | ND     |           | 10.2 | 0.539 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| Indeno[1,2,3-cd]pyrene        | ND     |           | 10.2 | 1.12  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| Isophorone                    | ND     |           | 10.2 | 0.814 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| Naphthalene                   | ND     |           | 10.2 | 0.763 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| Nitrobenzene                  | ND     |           | 10.2 | 0.610 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| N-Nitrosodi-n-propylamine     | ND     |           | 10.2 | 0.336 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |

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# Client Sample Results

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

Job ID: 752-38193-1

**Client Sample ID: SW-5**  
Date Collected: 10/16/25 12:00  
Date Received: 10/16/25 15:00

**Lab Sample ID: 752-38193-5**  
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     |           | 10.2 | 0.193 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| Pentachlorophenol      | ND     |           | 10.2 | 2.85  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| Phenanthrene           | ND     |           | 10.2 | 0.753 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| Phenol                 | ND     |           | 10.2 | 0.692 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| Pyrene                 | ND     |           | 10.2 | 0.641 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:00 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   |  |  |  | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|--|--|--|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 123       |           | 10 - 150 |  |  |  | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| 2-Fluorobiphenyl (Surr)     | 83        |           | 25 - 139 |  |  |  | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| 2-Fluorophenol (Surr)       | 77        |           | 10 - 150 |  |  |  | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| Nitrobenzene-d5 (Surr)      | 120       |           | 22 - 150 |  |  |  | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| Phenol-d5 (Surr)            | 72        |           | 10 - 150 |  |  |  | 10/20/25 11:41 | 10/25/25 20:00 | 1       |
| Terphenyl-d14 (Surr)        | 49        |           | 28 - 150 |  |  |  | 10/20/25 11:41 | 10/25/25 20:00 | 1       |

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

| Analyte          | Result       | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Antimony         | ND           |           | 5.00  | 2.45  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:26 | 1       |
| <b>Arsenic</b>   | <b>1.58</b>  | <b>J</b>  | 5.00  | 1.32  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:26 | 1       |
| <b>Barium</b>    | <b>66.6</b>  |           | 10.0  | 0.410 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:26 | 1       |
| Beryllium        | ND           |           | 1.00  | 0.147 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:26 | 1       |
| Cadmium          | ND           |           | 0.700 | 0.237 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:26 | 1       |
| Chromium         | ND           |           | 5.00  | 3.69  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:26 | 1       |
| <b>Cobalt</b>    | <b>0.590</b> | <b>J</b>  | 5.00  | 0.411 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:26 | 1       |
| <b>Copper</b>    | <b>4.69</b>  |           | 2.00  | 0.642 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:26 | 1       |
| <b>Lead</b>      | <b>3.05</b>  |           | 1.00  | 0.864 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:26 | 1       |
| <b>Manganese</b> | <b>181</b>   |           | 5.00  | 1.29  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:26 | 1       |
| <b>Nickel</b>    | <b>1.80</b>  | <b>J</b>  | 5.00  | 0.422 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:26 | 1       |
| Selenium         | ND           |           | 5.00  | 2.29  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:26 | 1       |
| Silver           | ND           |           | 1.00  | 0.167 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:26 | 1       |
| Thallium         | ND           |           | 1.00  | 0.190 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:26 | 1       |
| <b>Vanadium</b>  | <b>1.33</b>  | <b>J</b>  | 5.00  | 1.22  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:26 | 1       |
| <b>Zinc</b>      | <b>17.6</b>  |           | 10.0  | 8.91  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:26 | 1       |

## Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.200 | 0.166 | ug/L |   | 10/24/25 12:28 | 10/24/25 18:33 | 1       |

## General Chemistry

| Analyte                              | Result      | Qualifier | RL     | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|--------------------------------------|-------------|-----------|--------|--------|------|---|----------|----------------|---------|
| Ammonia (as N) (EPA 350.1)           | ND          |           | 0.0500 | 0.0460 | mg/L |   |          | 10/25/25 12:06 | 1       |
| Nitrite as N (EPA 353.2)             | ND          |           | 0.100  | 0.0168 | mg/L |   |          | 10/16/25 17:10 | 1       |
| Nitrate as N (SM Nitrate by calc)    | ND          |           | 0.100  | 0.0250 | mg/L |   |          | 10/21/25 09:48 | 1       |
| Nitrate Nitrite as N (SM 4500 NO3 F) | ND          |           | 0.0500 | 0.0180 | mg/L |   |          | 10/20/25 14:07 | 1       |
| <b>Sulfate (SM 4500 SO4 E)</b>       | <b>17.7</b> |           | 5.00   | 1.40   | mg/L |   |          | 10/20/25 15:56 | 1       |

# Client Sample Results

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

Job ID: 752-38193-1

**Client Sample ID: SW-6**

**Lab Sample ID: 752-38193-6**

Date Collected: 10/16/25 12:30

Matrix: Water

Date Received: 10/16/25 15:00

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

| Analyte                     | Result | Qualifier | RL   | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|--------|------|---|----------|----------------|---------|
| Acetone                     | ND     |           | 25.0 | 10.0   | ug/L |   |          | 10/23/25 18:56 | 1       |
| Benzene                     | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 18:56 | 1       |
| Bromobenzene                | ND     |           | 1.00 | 0.540  | ug/L |   |          | 10/23/25 18:56 | 1       |
| Bromoform                   | ND     |           | 5.00 | 0.250  | ug/L |   |          | 10/23/25 18:56 | 1       |
| Bromomethane                | ND     |           | 1.00 | 0.980  | ug/L |   |          | 10/23/25 18:56 | 1       |
| 2-Butanone (MEK)            | ND     |           | 25.0 | 2.60   | ug/L |   |          | 10/23/25 18:56 | 1       |
| Carbon disulfide            | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 18:56 | 1       |
| Carbon tetrachloride        | ND     |           | 1.00 | 0.190  | ug/L |   |          | 10/23/25 18:56 | 1       |
| Chlorobenzene               | ND     |           | 1.00 | 0.420  | ug/L |   |          | 10/23/25 18:56 | 1       |
| Chlorobromomethane          | ND     |           | 1.00 | 0.520  | ug/L |   |          | 10/23/25 18:56 | 1       |
| Chlorodibromomethane        | ND     |           | 1.00 | 0.240  | ug/L |   |          | 10/23/25 18:56 | 1       |
| Chloroethane                | ND     |           | 1.00 | 0.760  | ug/L |   |          | 10/23/25 18:56 | 1       |
| Chloroform                  | ND     |           | 1.00 | 0.900  | ug/L |   |          | 10/23/25 18:56 | 1       |
| Chloromethane               | ND     |           | 1.00 | 0.400  | ug/L |   |          | 10/23/25 18:56 | 1       |
| 2-Chlorotoluene             | ND     |           | 1.00 | 0.570  | ug/L |   |          | 10/23/25 18:56 | 1       |
| 4-Chlorotoluene             | ND     |           | 1.00 | 0.560  | ug/L |   |          | 10/23/25 18:56 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 1.00 | 0.200  | ug/L |   |          | 10/23/25 18:56 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 5.00 | 0.500  | ug/L |   |          | 10/23/25 18:56 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND     |           | 5.00 | 1.50   | ug/L |   |          | 10/23/25 18:56 | 1       |
| Dibromomethane              | ND     |           | 5.00 | 0.220  | ug/L |   |          | 10/23/25 18:56 | 1       |
| 1,2-Dichlorobenzene         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 18:56 | 1       |
| 1,3-Dichlorobenzene         | ND     |           | 1.00 | 0.540  | ug/L |   |          | 10/23/25 18:56 | 1       |
| 1,4-Dichlorobenzene         | ND     |           | 1.00 | 0.640  | ug/L |   |          | 10/23/25 18:56 | 1       |
| Dichlorobromomethane        | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 18:56 | 1       |
| 1,1-Dichloroethane          | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 18:56 | 1       |
| 1,2-Dichloroethane          | ND     |           | 1.00 | 0.550  | ug/L |   |          | 10/23/25 18:56 | 1       |
| 1,1-Dichloroethene          | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 18:56 | 1       |
| 1,2-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 18:56 | 1       |
| 1,3-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 18:56 | 1       |
| 2,2-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 18:56 | 1       |
| 1,1-Dichloropropene         | ND     |           | 1.00 | 0.0900 | ug/L |   |          | 10/23/25 18:56 | 1       |
| Ethyl acetate               | ND     |           | 10.0 | 6.14   | ug/L |   |          | 10/23/25 18:56 | 1       |
| Ethylbenzene                | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 18:56 | 1       |
| Ethylene Dibromide          | ND     |           | 1.00 | 0.230  | ug/L |   |          | 10/23/25 18:56 | 1       |
| Hexachlorobutadiene         | ND     |           | 5.00 | 0.900  | ug/L |   |          | 10/23/25 18:56 | 1       |
| Hexane                      | ND     |           | 1.00 | 0.960  | ug/L |   |          | 10/23/25 18:56 | 1       |
| 2-Hexanone                  | ND     |           | 25.0 | 4.26   | ug/L |   |          | 10/23/25 18:56 | 1       |
| Iodomethane                 | ND     |           | 1.00 | 0.900  | ug/L |   |          | 10/23/25 18:56 | 1       |
| Isopropylbenzene            | ND     |           | 1.00 | 0.530  | ug/L |   |          | 10/23/25 18:56 | 1       |
| Isopropyl ether             | ND     |           | 1.00 | 0.740  | ug/L |   |          | 10/23/25 18:56 | 1       |
| 4-Isopropyltoluene          | ND     |           | 1.00 | 0.710  | ug/L |   |          | 10/23/25 18:56 | 1       |
| Methylene Chloride          | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 18:56 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     |           | 25.0 | 1.80   | ug/L |   |          | 10/23/25 18:56 | 1       |
| Methyl tert-butyl ether     | ND     |           | 1.00 | 0.220  | ug/L |   |          | 10/23/25 18:56 | 1       |
| m-Xylene & p-Xylene         | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 18:56 | 1       |
| Naphthalene                 | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 18:56 | 1       |
| n-Butylbenzene              | ND     |           | 1.00 | 0.760  | ug/L |   |          | 10/23/25 18:56 | 1       |
| n-Heptane                   | ND     |           | 1.00 | 0.210  | ug/L |   |          | 10/23/25 18:56 | 1       |
| N-Propylbenzene             | ND     |           | 1.00 | 0.690  | ug/L |   |          | 10/23/25 18:56 | 1       |

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# Client Sample Results

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

Job ID: 752-38193-1

**Client Sample ID: SW-6**

**Lab Sample ID: 752-38193-6**

Date Collected: 10/16/25 12:30

Matrix: Water

Date Received: 10/16/25 15:00

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| o-Xylene                              | ND     |           | 5.00 | 3.00  | ug/L |   |          | 10/23/25 18:56 | 1       |
| sec-Butylbenzene                      | ND     |           | 1.00 | 0.700 | ug/L |   |          | 10/23/25 18:56 | 1       |
| Styrene                               | ND     |           | 1.00 | 1.00  | ug/L |   |          | 10/23/25 18:56 | 1       |
| tert-Butylbenzene                     | ND     |           | 1.00 | 0.630 | ug/L |   |          | 10/23/25 18:56 | 1       |
| 1,1,1,2-Tetrachloroethane             | ND     |           | 1.00 | 0.380 | ug/L |   |          | 10/23/25 18:56 | 1       |
| 1,1,1,2,2-Tetrachloroethane           | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 18:56 | 1       |
| Tetrachloroethene                     | ND     |           | 1.00 | 0.330 | ug/L |   |          | 10/23/25 18:56 | 1       |
| Toluene                               | ND     |           | 1.00 | 0.900 | ug/L |   |          | 10/23/25 18:56 | 1       |
| trans-1,4-Dichloro-2-butene           | ND     |           | 5.00 | 1.00  | ug/L |   |          | 10/23/25 18:56 | 1       |
| trans-1,2-Dichloroethene              | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 18:56 | 1       |
| trans-1,3-Dichloropropene             | ND     |           | 5.00 | 0.200 | ug/L |   |          | 10/23/25 18:56 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 1.00 | 0.900 | ug/L |   |          | 10/23/25 18:56 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 1.00 | 0.820 | ug/L |   |          | 10/23/25 18:56 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 1.00 | 0.180 | ug/L |   |          | 10/23/25 18:56 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 5.00 | 0.210 | ug/L |   |          | 10/23/25 18:56 | 1       |
| Trichloroethene                       | ND     |           | 1.00 | 0.150 | ug/L |   |          | 10/23/25 18:56 | 1       |
| Trichlorofluoromethane                | ND     |           | 1.00 | 0.250 | ug/L |   |          | 10/23/25 18:56 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 5.00 | 0.840 | ug/L |   |          | 10/23/25 18:56 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 18:56 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 1.00 | 0.820 | ug/L |   |          | 10/23/25 18:56 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 1.00 | 0.560 | ug/L |   |          | 10/23/25 18:56 | 1       |
| Vinyl acetate                         | ND     |           | 25.0 | 0.930 | ug/L |   |          | 10/23/25 18:56 | 1       |
| Vinyl chloride                        | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 18:56 | 1       |
| Xylenes, Total                        | ND     |           | 10.0 | 6.00  | ug/L |   |          | 10/23/25 18:56 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene         | 106       |           | 56 - 136 |          | 10/23/25 18:56 | 1       |
| Dibromofluoromethane         | 107       |           | 79 - 130 |          | 10/23/25 18:56 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 108       |           | 59 - 146 |          | 10/23/25 18:56 | 1       |
| Toluene-d8 (Surr)            | 100       |           | 64 - 132 |          | 10/23/25 18:56 | 1       |

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

| Analyte     | Result | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| 1,4-Dioxane | ND     |           | 0.277 | 0.277 | ug/L |   | 10/17/25 16:54 | 10/21/25 20:57 | 1       |

| Isotope Dilution | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Dioxane-d8   | 28        |           | 10 - 140 | 10/17/25 16:54 | 10/21/25 20:57 | 1       |

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

| Analyte               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| 1,1'-Biphenyl         | ND     |           | 10.1 | 0.423 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| 2,4,5-Trichlorophenol | ND     |           | 10.1 | 0.544 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| 2,4,6-Trichlorophenol | ND     |           | 10.1 | 1.10  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| 2,4-Dichlorophenol    | ND     |           | 10.1 | 0.574 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| 2,4-Dimethylphenol    | ND     |           | 10.1 | 0.242 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| 2,4-Dinitrophenol     | ND     |           | 30.2 | 4.71  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| 2,4-Dinitrotoluene    | ND     |           | 10.1 | 0.654 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| 2,6-Dinitrotoluene    | ND     |           | 10.1 | 0.292 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| 2-Chloronaphthalene   | ND     |           | 10.1 | 0.383 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| 2-Chlorophenol        | ND     |           | 10.1 | 0.846 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| 2-Methylnaphthalene   | ND     |           | 10.1 | 0.815 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |

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# Client Sample Results

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

Job ID: 752-38193-1

**Client Sample ID: SW-6**  
**Date Collected: 10/16/25 12:30**  
**Date Received: 10/16/25 15:00**

**Lab Sample ID: 752-38193-6**  
**Matrix: Water**

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

| Analyte                       | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| 2-Methylphenol                | ND     |           | 10.1 | 0.765 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| 2-Nitroaniline                | ND     |           | 10.1 | 1.38  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| 2-Nitrophenol                 | ND     |           | 10.1 | 1.18  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| 3 & 4 Methylphenol            | ND     |           | 20.1 | 4.63  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 11.1 | 0.413 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| 3-Nitroaniline                | ND     |           | 10.1 | 0.956 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 10.1 | 1.98  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 10.1 | 0.131 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 10.1 | 0.735 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| 4-Chloroaniline               | ND     |           | 10.1 | 0.584 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 10.1 | 0.242 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| 4-Nitroaniline                | ND     |           | 10.1 | 3.52  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| 4-Nitrophenol                 | ND     |           | 10.1 | 2.76  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| Acenaphthene                  | ND     |           | 10.1 | 0.634 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| Acenaphthylene                | ND     |           | 10.1 | 0.765 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| Acetophenone                  | ND     |           | 10.1 | 3.22  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| Anthracene                    | ND     |           | 10.1 | 0.916 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| Atrazine                      | ND     |           | 10.1 | 1.14  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| Benzaldehyde                  | ND     |           | 10.1 | 0.674 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| Benzo[a]anthracene            | ND     |           | 10.1 | 1.01  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| Benzo[a]pyrene                | ND     |           | 10.1 | 1.11  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| Benzo[b]fluoranthene          | ND     |           | 10.1 | 1.21  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| Benzo[g,h,i]perylene          | ND     |           | 10.1 | 1.51  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| Benzo[k]fluoranthene          | ND     |           | 10.1 | 1.51  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 10.1 | 0.936 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 10.1 | 0.342 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 10.1 | 0.735 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 10.1 | 4.03  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| Butyl benzyl phthalate        | ND     |           | 10.1 | 4.03  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| Caprolactam                   | ND     | +         | 10.1 | 2.42  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| Carbazole                     | ND     |           | 10.1 | 0.322 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| Chrysene                      | ND     |           | 10.1 | 1.21  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 10.1 | 1.31  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| Dibenzofuran                  | ND     |           | 10.1 | 0.644 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| Diethyl phthalate             | ND     |           | 10.1 | 4.03  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| Dimethyl phthalate            | ND     |           | 10.1 | 4.03  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| Di-n-butyl phthalate          | ND     |           | 10.1 | 8.24  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| Di-n-octyl phthalate          | ND     |           | 10.1 | 4.03  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| Fluoranthene                  | ND     |           | 10.1 | 0.634 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| Fluorene                      | ND     |           | 10.1 | 0.674 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| Hexachlorobenzene             | ND     |           | 10.1 | 0.252 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| Hexachlorobutadiene           | ND     |           | 10.1 | 0.554 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| Hexachlorocyclopentadiene     | ND     |           | 20.1 | 0.322 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| Hexachloroethane              | ND     |           | 10.1 | 0.534 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| Indeno[1,2,3-cd]pyrene        | ND     |           | 10.1 | 1.11  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| Isophorone                    | ND     |           | 10.1 | 0.805 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| Naphthalene                   | ND     |           | 10.1 | 0.755 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| Nitrobenzene                  | ND     |           | 10.1 | 0.604 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| N-Nitrosodi-n-propylamine     | ND     |           | 10.1 | 0.332 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |

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# Client Sample Results

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

Job ID: 752-38193-1

**Client Sample ID: SW-6**

**Lab Sample ID: 752-38193-6**

Date Collected: 10/16/25 12:30

Matrix: Water

Date Received: 10/16/25 15:00

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

| Analyte                | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| N-Nitrosodiphenylamine | ND     |           | 10.1 | 0.191 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| Pentachlorophenol      | ND     |           | 10.1 | 2.82  | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| Phenanthrene           | ND     |           | 10.1 | 0.745 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| Phenol                 | ND     |           | 10.1 | 0.685 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| Pyrene                 | ND     |           | 10.1 | 0.634 | ug/L |   | 10/20/25 11:41 | 10/25/25 20:32 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   |  |  |  | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|--|--|--|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 125       |           | 10 - 150 |  |  |  | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| 2-Fluorobiphenyl (Surr)     | 85        |           | 25 - 139 |  |  |  | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| 2-Fluorophenol (Surr)       | 83        |           | 10 - 150 |  |  |  | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| Nitrobenzene-d5 (Surr)      | 130       |           | 22 - 150 |  |  |  | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| Phenol-d5 (Surr)            | 77        |           | 10 - 150 |  |  |  | 10/20/25 11:41 | 10/25/25 20:32 | 1       |
| Terphenyl-d14 (Surr)        | 50        |           | 28 - 150 |  |  |  | 10/20/25 11:41 | 10/25/25 20:32 | 1       |

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

| Analyte          | Result       | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Antimony         | ND           |           | 5.00  | 2.45  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:49 | 1       |
| <b>Arsenic</b>   | <b>2.43</b>  | <b>J</b>  | 5.00  | 1.32  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:49 | 1       |
| <b>Barium</b>    | <b>56.7</b>  |           | 10.0  | 0.410 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:49 | 1       |
| Beryllium        | ND           |           | 1.00  | 0.147 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:49 | 1       |
| Cadmium          | ND           |           | 0.700 | 0.237 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:49 | 1       |
| Chromium         | ND           |           | 5.00  | 3.69  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:49 | 1       |
| <b>Cobalt</b>    | <b>0.828</b> | <b>J</b>  | 5.00  | 0.411 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:49 | 1       |
| <b>Copper</b>    | <b>3.90</b>  |           | 2.00  | 0.642 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:49 | 1       |
| <b>Lead</b>      | <b>1.91</b>  |           | 1.00  | 0.864 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:49 | 1       |
| <b>Manganese</b> | <b>328</b>   |           | 5.00  | 1.29  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:49 | 1       |
| <b>Nickel</b>    | <b>1.69</b>  | <b>J</b>  | 5.00  | 0.422 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:49 | 1       |
| Selenium         | ND           |           | 5.00  | 2.29  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:49 | 1       |
| Silver           | ND           |           | 1.00  | 0.167 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:49 | 1       |
| Thallium         | ND           |           | 1.00  | 0.190 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:49 | 1       |
| <b>Vanadium</b>  | <b>1.29</b>  | <b>J</b>  | 5.00  | 1.22  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:49 | 1       |
| <b>Zinc</b>      | <b>14.5</b>  |           | 10.0  | 8.91  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:49 | 1       |

## Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.200 | 0.166 | ug/L |   | 10/24/25 12:28 | 10/24/25 18:37 | 1       |

## General Chemistry

| Analyte                                     | Result        | Qualifier | RL     | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|---|---------------|-----------|--------|--------|------|---|----------|----------------|---------|
| <b>Ammonia (as N) (EPA 350.1)</b>           | <b>0.0950</b> |           | 0.0500 | 0.0460 | mg/L |   |          | 10/25/25 12:09 | 1       |
| Nitrite as N (EPA 353.2)                    | ND            |           | 0.100  | 0.0168 | mg/L |   |          | 10/16/25 17:11 | 1       |
| <b>Nitrate as N (SM Nitrate by calc)</b>    | <b>0.183</b>  |           | 0.100  | 0.0250 | mg/L |   |          | 10/21/25 09:48 | 1       |
| <b>Nitrate Nitrite as N (SM 4500 NO3 F)</b> | <b>0.183</b>  |           | 0.0500 | 0.0180 | mg/L |   |          | 10/21/25 17:45 | 1       |
| <b>Sulfate (SM 4500 SO4 E)</b>              | <b>13.5</b>   |           | 5.00   | 1.40   | mg/L |   |          | 10/20/25 15:56 | 1       |

# Client Sample Results

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

Job ID: 752-38193-1

**Client Sample ID: SW-7**  
**Date Collected: 10/16/25 13:00**  
**Date Received: 10/16/25 15:00**

**Lab Sample ID: 752-38193-7**  
**Matrix: Water**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

| Analyte                     | Result | Qualifier | RL   | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|--------|------|---|----------|----------------|---------|
| Acetone                     | ND     |           | 25.0 | 10.0   | ug/L |   |          | 10/23/25 19:21 | 1       |
| Benzene                     | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 19:21 | 1       |
| Bromobenzene                | ND     |           | 1.00 | 0.540  | ug/L |   |          | 10/23/25 19:21 | 1       |
| Bromoform                   | ND     |           | 5.00 | 0.250  | ug/L |   |          | 10/23/25 19:21 | 1       |
| Bromomethane                | ND     |           | 1.00 | 0.980  | ug/L |   |          | 10/23/25 19:21 | 1       |
| 2-Butanone (MEK)            | ND     |           | 25.0 | 2.60   | ug/L |   |          | 10/23/25 19:21 | 1       |
| Carbon disulfide            | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 19:21 | 1       |
| Carbon tetrachloride        | ND     |           | 1.00 | 0.190  | ug/L |   |          | 10/23/25 19:21 | 1       |
| Chlorobenzene               | ND     |           | 1.00 | 0.420  | ug/L |   |          | 10/23/25 19:21 | 1       |
| Chlorobromomethane          | ND     |           | 1.00 | 0.520  | ug/L |   |          | 10/23/25 19:21 | 1       |
| Chlorodibromomethane        | ND     |           | 1.00 | 0.240  | ug/L |   |          | 10/23/25 19:21 | 1       |
| Chloroethane                | ND     |           | 1.00 | 0.760  | ug/L |   |          | 10/23/25 19:21 | 1       |
| Chloroform                  | ND     |           | 1.00 | 0.900  | ug/L |   |          | 10/23/25 19:21 | 1       |
| Chloromethane               | ND     |           | 1.00 | 0.400  | ug/L |   |          | 10/23/25 19:21 | 1       |
| 2-Chlorotoluene             | ND     |           | 1.00 | 0.570  | ug/L |   |          | 10/23/25 19:21 | 1       |
| 4-Chlorotoluene             | ND     |           | 1.00 | 0.560  | ug/L |   |          | 10/23/25 19:21 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 1.00 | 0.200  | ug/L |   |          | 10/23/25 19:21 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 5.00 | 0.500  | ug/L |   |          | 10/23/25 19:21 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND     |           | 5.00 | 1.50   | ug/L |   |          | 10/23/25 19:21 | 1       |
| Dibromomethane              | ND     |           | 5.00 | 0.220  | ug/L |   |          | 10/23/25 19:21 | 1       |
| 1,2-Dichlorobenzene         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 19:21 | 1       |
| 1,3-Dichlorobenzene         | ND     |           | 1.00 | 0.540  | ug/L |   |          | 10/23/25 19:21 | 1       |
| 1,4-Dichlorobenzene         | ND     |           | 1.00 | 0.640  | ug/L |   |          | 10/23/25 19:21 | 1       |
| Dichlorobromomethane        | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 19:21 | 1       |
| 1,1-Dichloroethane          | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 19:21 | 1       |
| 1,2-Dichloroethane          | ND     |           | 1.00 | 0.550  | ug/L |   |          | 10/23/25 19:21 | 1       |
| 1,1-Dichloroethene          | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 19:21 | 1       |
| 1,2-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 19:21 | 1       |
| 1,3-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 19:21 | 1       |
| 2,2-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 19:21 | 1       |
| 1,1-Dichloropropene         | ND     |           | 1.00 | 0.0900 | ug/L |   |          | 10/23/25 19:21 | 1       |
| Ethyl acetate               | ND     |           | 10.0 | 6.14   | ug/L |   |          | 10/23/25 19:21 | 1       |
| Ethylbenzene                | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 19:21 | 1       |
| Ethylene Dibromide          | ND     |           | 1.00 | 0.230  | ug/L |   |          | 10/23/25 19:21 | 1       |
| Hexachlorobutadiene         | ND     |           | 5.00 | 0.900  | ug/L |   |          | 10/23/25 19:21 | 1       |
| Hexane                      | ND     |           | 1.00 | 0.960  | ug/L |   |          | 10/23/25 19:21 | 1       |
| 2-Hexanone                  | ND     |           | 25.0 | 4.26   | ug/L |   |          | 10/23/25 19:21 | 1       |
| Iodomethane                 | ND     |           | 1.00 | 0.900  | ug/L |   |          | 10/23/25 19:21 | 1       |
| Isopropylbenzene            | ND     |           | 1.00 | 0.530  | ug/L |   |          | 10/23/25 19:21 | 1       |
| Isopropyl ether             | ND     |           | 1.00 | 0.740  | ug/L |   |          | 10/23/25 19:21 | 1       |
| 4-Isopropyltoluene          | ND     |           | 1.00 | 0.710  | ug/L |   |          | 10/23/25 19:21 | 1       |
| Methylene Chloride          | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 19:21 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     |           | 25.0 | 1.80   | ug/L |   |          | 10/23/25 19:21 | 1       |
| Methyl tert-butyl ether     | ND     |           | 1.00 | 0.220  | ug/L |   |          | 10/23/25 19:21 | 1       |
| m-Xylene & p-Xylene         | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 19:21 | 1       |
| Naphthalene                 | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 19:21 | 1       |
| n-Butylbenzene              | ND     |           | 1.00 | 0.760  | ug/L |   |          | 10/23/25 19:21 | 1       |
| n-Heptane                   | ND     |           | 1.00 | 0.210  | ug/L |   |          | 10/23/25 19:21 | 1       |
| N-Propylbenzene             | ND     |           | 1.00 | 0.690  | ug/L |   |          | 10/23/25 19:21 | 1       |

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# Client Sample Results

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

Job ID: 752-38193-1

**Client Sample ID: SW-7**  
**Date Collected: 10/16/25 13:00**  
**Date Received: 10/16/25 15:00**

**Lab Sample ID: 752-38193-7**  
**Matrix: Water**

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| o-Xylene                              | ND     |           | 5.00 | 3.00  | ug/L |   |          | 10/23/25 19:21 | 1       |
| sec-Butylbenzene                      | ND     |           | 1.00 | 0.700 | ug/L |   |          | 10/23/25 19:21 | 1       |
| Styrene                               | ND     |           | 1.00 | 1.00  | ug/L |   |          | 10/23/25 19:21 | 1       |
| tert-Butylbenzene                     | ND     |           | 1.00 | 0.630 | ug/L |   |          | 10/23/25 19:21 | 1       |
| 1,1,1,2-Tetrachloroethane             | ND     |           | 1.00 | 0.380 | ug/L |   |          | 10/23/25 19:21 | 1       |
| 1,1,1,2,2-Tetrachloroethane           | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 19:21 | 1       |
| Tetrachloroethene                     | ND     |           | 1.00 | 0.330 | ug/L |   |          | 10/23/25 19:21 | 1       |
| Toluene                               | ND     |           | 1.00 | 0.900 | ug/L |   |          | 10/23/25 19:21 | 1       |
| trans-1,4-Dichloro-2-butene           | ND     |           | 5.00 | 1.00  | ug/L |   |          | 10/23/25 19:21 | 1       |
| trans-1,2-Dichloroethene              | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 19:21 | 1       |
| trans-1,3-Dichloropropene             | ND     |           | 5.00 | 0.200 | ug/L |   |          | 10/23/25 19:21 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 1.00 | 0.900 | ug/L |   |          | 10/23/25 19:21 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 1.00 | 0.820 | ug/L |   |          | 10/23/25 19:21 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 1.00 | 0.180 | ug/L |   |          | 10/23/25 19:21 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 5.00 | 0.210 | ug/L |   |          | 10/23/25 19:21 | 1       |
| Trichloroethene                       | ND     |           | 1.00 | 0.150 | ug/L |   |          | 10/23/25 19:21 | 1       |
| Trichlorofluoromethane                | ND     |           | 1.00 | 0.250 | ug/L |   |          | 10/23/25 19:21 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 5.00 | 0.840 | ug/L |   |          | 10/23/25 19:21 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 19:21 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 1.00 | 0.820 | ug/L |   |          | 10/23/25 19:21 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 1.00 | 0.560 | ug/L |   |          | 10/23/25 19:21 | 1       |
| Vinyl acetate                         | ND     |           | 25.0 | 0.930 | ug/L |   |          | 10/23/25 19:21 | 1       |
| Vinyl chloride                        | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 19:21 | 1       |
| Xylenes, Total                        | ND     |           | 10.0 | 6.00  | ug/L |   |          | 10/23/25 19:21 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene         | 104       |           | 56 - 136 |          | 10/23/25 19:21 | 1       |
| Dibromofluoromethane         | 103       |           | 79 - 130 |          | 10/23/25 19:21 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 108       |           | 59 - 146 |          | 10/23/25 19:21 | 1       |
| Toluene-d8 (Surr)            | 101       |           | 64 - 132 |          | 10/23/25 19:21 | 1       |

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

| Analyte     | Result | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| 1,4-Dioxane | ND     |           | 0.286 | 0.286 | ug/L |   | 10/17/25 16:54 | 10/21/25 21:18 | 1       |

| Isotope Dilution | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Dioxane-d8   | 27        |           | 10 - 140 | 10/17/25 16:54 | 10/21/25 21:18 | 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 | 0.426 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| 2,4,5-Trichlorophenol | ND     |           | 10.1 | 0.547 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| 2,4,6-Trichlorophenol | ND     |           | 10.1 | 1.10  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| 2,4-Dichlorophenol    | ND     |           | 10.1 | 0.578 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| 2,4-Dimethylphenol    | ND     |           | 10.1 | 0.243 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| 2,4-Dinitrophenol     | ND     |           | 30.4 | 4.74  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| 2,4-Dinitrotoluene    | ND     |           | 10.1 | 0.659 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| 2,6-Dinitrotoluene    | ND     |           | 10.1 | 0.294 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| 2-Chloronaphthalene   | ND     |           | 10.1 | 0.385 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| 2-Chlorophenol        | ND     |           | 10.1 | 0.851 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| 2-Methylnaphthalene   | ND     |           | 10.1 | 0.821 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |

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# Client Sample Results

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

Job ID: 752-38193-1

**Client Sample ID: SW-7**  
**Date Collected: 10/16/25 13:00**  
**Date Received: 10/16/25 15:00**

**Lab Sample ID: 752-38193-7**  
**Matrix: Water**

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

| Analyte                       | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| 2-Methylphenol                | ND     |           | 10.1 | 0.770 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| 2-Nitroaniline                | ND     |           | 10.1 | 1.39  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| 2-Nitrophenol                 | ND     |           | 10.1 | 1.19  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| 3 & 4 Methylphenol            | ND     |           | 20.3 | 4.66  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 11.1 | 0.416 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| 3-Nitroaniline                | ND     |           | 10.1 | 0.963 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 10.1 | 2.00  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 10.1 | 0.132 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 10.1 | 0.740 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| 4-Chloroaniline               | ND     |           | 10.1 | 0.588 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 10.1 | 0.243 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| 4-Nitroaniline                | ND     |           | 10.1 | 3.55  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| 4-Nitrophenol                 | ND     |           | 10.1 | 2.78  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| Acenaphthene                  | ND     |           | 10.1 | 0.639 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| Acenaphthylene                | ND     |           | 10.1 | 0.770 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| Acetophenone                  | ND     |           | 10.1 | 3.24  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| Anthracene                    | ND     |           | 10.1 | 0.922 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| Atrazine                      | ND     |           | 10.1 | 1.15  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| Benzaldehyde                  | ND     |           | 10.1 | 0.679 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| Benzo[a]anthracene            | ND     |           | 10.1 | 1.01  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| Benzo[a]pyrene                | ND     |           | 10.1 | 1.11  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| Benzo[b]fluoranthene          | ND     |           | 10.1 | 1.22  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| Benzo[g,h,i]perylene          | ND     |           | 10.1 | 1.52  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| Benzo[k]fluoranthene          | ND     |           | 10.1 | 1.52  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 10.1 | 0.943 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 10.1 | 0.345 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 10.1 | 0.740 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 10.1 | 4.05  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| Butyl benzyl phthalate        | ND     |           | 10.1 | 4.05  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| Caprolactam                   | ND     | +         | 10.1 | 2.43  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| Carbazole                     | ND     |           | 10.1 | 0.324 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| Chrysene                      | ND     |           | 10.1 | 1.22  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 10.1 | 1.32  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| Dibenzofuran                  | ND     |           | 10.1 | 0.649 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| Diethyl phthalate             | ND     |           | 10.1 | 4.05  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| Dimethyl phthalate            | ND     |           | 10.1 | 4.05  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| Di-n-butyl phthalate          | ND     |           | 10.1 | 8.30  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| Di-n-octyl phthalate          | ND     |           | 10.1 | 4.05  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| Fluoranthene                  | ND     |           | 10.1 | 0.639 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| Fluorene                      | ND     |           | 10.1 | 0.679 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| Hexachlorobenzene             | ND     |           | 10.1 | 0.253 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| Hexachlorobutadiene           | ND     |           | 10.1 | 0.557 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| Hexachlorocyclopentadiene     | ND     |           | 20.3 | 0.324 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| Hexachloroethane              | ND     |           | 10.1 | 0.537 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| Indeno[1,2,3-cd]pyrene        | ND     |           | 10.1 | 1.11  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| Isophorone                    | ND     |           | 10.1 | 0.811 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| Naphthalene                   | ND     |           | 10.1 | 0.760 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| Nitrobenzene                  | ND     |           | 10.1 | 0.608 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| N-Nitrosodi-n-propylamine     | ND     |           | 10.1 | 0.334 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |

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# Client Sample Results

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

Job ID: 752-38193-1

**Client Sample ID: SW-7**  
**Date Collected: 10/16/25 13:00**  
**Date Received: 10/16/25 15:00**

**Lab Sample ID: 752-38193-7**  
**Matrix: Water**

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

| Analyte                | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| N-Nitrosodiphenylamine | ND     |           | 10.1 | 0.193 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| Pentachlorophenol      | ND     |           | 10.1 | 2.84  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| Phenanthrene           | ND     |           | 10.1 | 0.750 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| Phenol                 | ND     |           | 10.1 | 0.689 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| Pyrene                 | ND     |           | 10.1 | 0.639 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:04 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   |  |  |  | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|--|--|--|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 212       | S1+       | 10 - 150 |  |  |  | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| 2-Fluorobiphenyl (Surr)     | 86        |           | 25 - 139 |  |  |  | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| 2-Fluorophenol (Surr)       | 163       | S1+       | 10 - 150 |  |  |  | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| Nitrobenzene-d5 (Surr)      | 119       |           | 22 - 150 |  |  |  | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| Phenol-d5 (Surr)            | 165       | S1+       | 10 - 150 |  |  |  | 10/20/25 11:41 | 10/25/25 21:04 | 1       |
| Terphenyl-d14 (Surr)        | 82        |           | 28 - 150 |  |  |  | 10/20/25 11:41 | 10/25/25 21:04 | 1       |

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

| Analyte          | Result       | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Antimony         | ND           |           | 5.00  | 2.45  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:52 | 1       |
| <b>Arsenic</b>   | <b>1.74</b>  | <b>J</b>  | 5.00  | 1.32  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:52 | 1       |
| <b>Barium</b>    | <b>59.4</b>  |           | 10.0  | 0.410 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:52 | 1       |
| Beryllium        | ND           |           | 1.00  | 0.147 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:52 | 1       |
| Cadmium          | ND           |           | 0.700 | 0.237 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:52 | 1       |
| Chromium         | ND           |           | 5.00  | 3.69  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:52 | 1       |
| <b>Cobalt</b>    | <b>0.952</b> | <b>J</b>  | 5.00  | 0.411 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:52 | 1       |
| <b>Copper</b>    | <b>9.19</b>  |           | 2.00  | 0.642 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:52 | 1       |
| <b>Lead</b>      | <b>6.69</b>  |           | 1.00  | 0.864 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:52 | 1       |
| <b>Manganese</b> | <b>303</b>   |           | 5.00  | 1.29  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:52 | 1       |
| <b>Nickel</b>    | <b>3.70</b>  | <b>J</b>  | 5.00  | 0.422 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:52 | 1       |
| Selenium         | ND           |           | 5.00  | 2.29  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:52 | 1       |
| Silver           | ND           |           | 1.00  | 0.167 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:52 | 1       |
| Thallium         | ND           |           | 1.00  | 0.190 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:52 | 1       |
| <b>Vanadium</b>  | <b>1.95</b>  | <b>J</b>  | 5.00  | 1.22  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:52 | 1       |
| <b>Zinc</b>      | <b>30.3</b>  |           | 10.0  | 8.91  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:52 | 1       |

## Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.200 | 0.166 | ug/L |   | 10/24/25 12:28 | 10/24/25 18:41 | 1       |

## General Chemistry

| Analyte                                     | Result        | Qualifier | RL     | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|---|---------------|-----------|--------|--------|------|---|----------|----------------|---------|
| Ammonia (as N) (EPA 350.1)                  | ND            |           | 0.0500 | 0.0460 | mg/L |   |          | 10/25/25 12:11 | 1       |
| Nitrite as N (EPA 353.2)                    | ND            |           | 0.100  | 0.0168 | mg/L |   |          | 10/16/25 17:13 | 1       |
| Nitrate as N (SM Nitrate by calc)           | ND            |           | 0.100  | 0.0250 | mg/L |   |          | 10/21/25 09:48 | 1       |
| <b>Nitrate Nitrite as N (SM 4500 NO3 F)</b> | <b>0.0210</b> | <b>J</b>  | 0.0500 | 0.0180 | mg/L |   |          | 10/21/25 17:44 | 1       |
| <b>Sulfate (SM 4500 SO4 E)</b>              | <b>16.9</b>   |           | 5.00   | 1.40   | mg/L |   |          | 10/20/25 15:57 | 1       |

# Client Sample Results

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

Job ID: 752-38193-1

**Client Sample ID: 101625-Dup-SW**

**Lab Sample ID: 752-38193-8**

Date Collected: 10/16/25 00:00

Matrix: Water

Date Received: 10/16/25 15:00

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

| Analyte                     | Result | Qualifier | RL   | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|--------|------|---|----------|----------------|---------|
| Acetone                     | ND     |           | 25.0 | 10.0   | ug/L |   |          | 10/23/25 19:46 | 1       |
| Benzene                     | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 19:46 | 1       |
| Bromobenzene                | ND     |           | 1.00 | 0.540  | ug/L |   |          | 10/23/25 19:46 | 1       |
| Bromoform                   | ND     |           | 5.00 | 0.250  | ug/L |   |          | 10/23/25 19:46 | 1       |
| Bromomethane                | ND     |           | 1.00 | 0.980  | ug/L |   |          | 10/23/25 19:46 | 1       |
| 2-Butanone (MEK)            | ND     |           | 25.0 | 2.60   | ug/L |   |          | 10/23/25 19:46 | 1       |
| Carbon disulfide            | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 19:46 | 1       |
| Carbon tetrachloride        | ND     |           | 1.00 | 0.190  | ug/L |   |          | 10/23/25 19:46 | 1       |
| Chlorobenzene               | ND     |           | 1.00 | 0.420  | ug/L |   |          | 10/23/25 19:46 | 1       |
| Chlorobromomethane          | ND     |           | 1.00 | 0.520  | ug/L |   |          | 10/23/25 19:46 | 1       |
| Chlorodibromomethane        | ND     |           | 1.00 | 0.240  | ug/L |   |          | 10/23/25 19:46 | 1       |
| Chloroethane                | ND     |           | 1.00 | 0.760  | ug/L |   |          | 10/23/25 19:46 | 1       |
| Chloroform                  | ND     |           | 1.00 | 0.900  | ug/L |   |          | 10/23/25 19:46 | 1       |
| Chloromethane               | ND     |           | 1.00 | 0.400  | ug/L |   |          | 10/23/25 19:46 | 1       |
| 2-Chlorotoluene             | ND     |           | 1.00 | 0.570  | ug/L |   |          | 10/23/25 19:46 | 1       |
| 4-Chlorotoluene             | ND     |           | 1.00 | 0.560  | ug/L |   |          | 10/23/25 19:46 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 1.00 | 0.200  | ug/L |   |          | 10/23/25 19:46 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 5.00 | 0.500  | ug/L |   |          | 10/23/25 19:46 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND     |           | 5.00 | 1.50   | ug/L |   |          | 10/23/25 19:46 | 1       |
| Dibromomethane              | ND     |           | 5.00 | 0.220  | ug/L |   |          | 10/23/25 19:46 | 1       |
| 1,2-Dichlorobenzene         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 19:46 | 1       |
| 1,3-Dichlorobenzene         | ND     |           | 1.00 | 0.540  | ug/L |   |          | 10/23/25 19:46 | 1       |
| 1,4-Dichlorobenzene         | ND     |           | 1.00 | 0.640  | ug/L |   |          | 10/23/25 19:46 | 1       |
| Dichlorobromomethane        | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 19:46 | 1       |
| 1,1-Dichloroethane          | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 19:46 | 1       |
| 1,2-Dichloroethane          | ND     |           | 1.00 | 0.550  | ug/L |   |          | 10/23/25 19:46 | 1       |
| 1,1-Dichloroethene          | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 19:46 | 1       |
| 1,2-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 19:46 | 1       |
| 1,3-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 19:46 | 1       |
| 2,2-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 19:46 | 1       |
| 1,1-Dichloropropene         | ND     |           | 1.00 | 0.0900 | ug/L |   |          | 10/23/25 19:46 | 1       |
| Ethyl acetate               | ND     |           | 10.0 | 6.14   | ug/L |   |          | 10/23/25 19:46 | 1       |
| Ethylbenzene                | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 19:46 | 1       |
| Ethylene Dibromide          | ND     |           | 1.00 | 0.230  | ug/L |   |          | 10/23/25 19:46 | 1       |
| Hexachlorobutadiene         | ND     |           | 5.00 | 0.900  | ug/L |   |          | 10/23/25 19:46 | 1       |
| Hexane                      | ND     |           | 1.00 | 0.960  | ug/L |   |          | 10/23/25 19:46 | 1       |
| 2-Hexanone                  | ND     |           | 25.0 | 4.26   | ug/L |   |          | 10/23/25 19:46 | 1       |
| Iodomethane                 | ND     |           | 1.00 | 0.900  | ug/L |   |          | 10/23/25 19:46 | 1       |
| Isopropylbenzene            | ND     |           | 1.00 | 0.530  | ug/L |   |          | 10/23/25 19:46 | 1       |
| Isopropyl ether             | ND     |           | 1.00 | 0.740  | ug/L |   |          | 10/23/25 19:46 | 1       |
| 4-Isopropyltoluene          | ND     |           | 1.00 | 0.710  | ug/L |   |          | 10/23/25 19:46 | 1       |
| Methylene Chloride          | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 19:46 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     |           | 25.0 | 1.80   | ug/L |   |          | 10/23/25 19:46 | 1       |
| Methyl tert-butyl ether     | ND     |           | 1.00 | 0.220  | ug/L |   |          | 10/23/25 19:46 | 1       |
| m-Xylene & p-Xylene         | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 19:46 | 1       |
| Naphthalene                 | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 19:46 | 1       |
| n-Butylbenzene              | ND     |           | 1.00 | 0.760  | ug/L |   |          | 10/23/25 19:46 | 1       |
| n-Heptane                   | ND     |           | 1.00 | 0.210  | ug/L |   |          | 10/23/25 19:46 | 1       |
| N-Propylbenzene             | ND     |           | 1.00 | 0.690  | ug/L |   |          | 10/23/25 19:46 | 1       |

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# Client Sample Results

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

Job ID: 752-38193-1

**Client Sample ID: 101625-Dup-SW**

**Lab Sample ID: 752-38193-8**

Date Collected: 10/16/25 00:00

Matrix: Water

Date Received: 10/16/25 15:00

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| o-Xylene                              | ND     |           | 5.00 | 3.00  | ug/L |   |          | 10/23/25 19:46 | 1       |
| sec-Butylbenzene                      | ND     |           | 1.00 | 0.700 | ug/L |   |          | 10/23/25 19:46 | 1       |
| Styrene                               | ND     |           | 1.00 | 1.00  | ug/L |   |          | 10/23/25 19:46 | 1       |
| tert-Butylbenzene                     | ND     |           | 1.00 | 0.630 | ug/L |   |          | 10/23/25 19:46 | 1       |
| 1,1,1,2-Tetrachloroethane             | ND     |           | 1.00 | 0.380 | ug/L |   |          | 10/23/25 19:46 | 1       |
| 1,1,1,2,2-Tetrachloroethane           | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 19:46 | 1       |
| Tetrachloroethene                     | ND     |           | 1.00 | 0.330 | ug/L |   |          | 10/23/25 19:46 | 1       |
| Toluene                               | ND     |           | 1.00 | 0.900 | ug/L |   |          | 10/23/25 19:46 | 1       |
| trans-1,4-Dichloro-2-butene           | ND     |           | 5.00 | 1.00  | ug/L |   |          | 10/23/25 19:46 | 1       |
| trans-1,2-Dichloroethene              | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 19:46 | 1       |
| trans-1,3-Dichloropropene             | ND     |           | 5.00 | 0.200 | ug/L |   |          | 10/23/25 19:46 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 1.00 | 0.900 | ug/L |   |          | 10/23/25 19:46 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 1.00 | 0.820 | ug/L |   |          | 10/23/25 19:46 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 1.00 | 0.180 | ug/L |   |          | 10/23/25 19:46 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 5.00 | 0.210 | ug/L |   |          | 10/23/25 19:46 | 1       |
| Trichloroethene                       | ND     |           | 1.00 | 0.150 | ug/L |   |          | 10/23/25 19:46 | 1       |
| Trichlorofluoromethane                | ND     |           | 1.00 | 0.250 | ug/L |   |          | 10/23/25 19:46 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 5.00 | 0.840 | ug/L |   |          | 10/23/25 19:46 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 19:46 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 1.00 | 0.820 | ug/L |   |          | 10/23/25 19:46 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 1.00 | 0.560 | ug/L |   |          | 10/23/25 19:46 | 1       |
| Vinyl acetate                         | ND     |           | 25.0 | 0.930 | ug/L |   |          | 10/23/25 19:46 | 1       |
| Vinyl chloride                        | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 19:46 | 1       |
| Xylenes, Total                        | ND     |           | 10.0 | 6.00  | ug/L |   |          | 10/23/25 19:46 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene         | 105       |           | 56 - 136 |          | 10/23/25 19:46 | 1       |
| Dibromofluoromethane         | 106       |           | 79 - 130 |          | 10/23/25 19:46 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 107       |           | 59 - 146 |          | 10/23/25 19:46 | 1       |
| Toluene-d8 (Surr)            | 100       |           | 64 - 132 |          | 10/23/25 19:46 | 1       |

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

| Analyte     | Result | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| 1,4-Dioxane | ND     |           | 0.285 | 0.285 | ug/L |   | 10/17/25 16:54 | 10/21/25 21:40 | 1       |

| Isotope Dilution | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Dioxane-d8   | 28        |           | 10 - 140 | 10/17/25 16:54 | 10/21/25 21:40 | 1       |

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

| Analyte               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| 1,1'-Biphenyl         | ND     |           | 10.2 | 0.430 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| 2,4,5-Trichlorophenol | ND     |           | 10.2 | 0.553 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| 2,4,6-Trichlorophenol | ND     |           | 10.2 | 1.12  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| 2,4-Dichlorophenol    | ND     |           | 10.2 | 0.584 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| 2,4-Dimethylphenol    | ND     |           | 10.2 | 0.246 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| 2,4-Dinitrophenol     | ND     |           | 30.7 | 4.79  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| 2,4-Dinitrotoluene    | ND     |           | 10.2 | 0.666 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| 2,6-Dinitrotoluene    | ND     |           | 10.2 | 0.297 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| 2-Chloronaphthalene   | ND     |           | 10.2 | 0.389 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| 2-Chlorophenol        | ND     |           | 10.2 | 0.860 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| 2-Methylnaphthalene   | ND     |           | 10.2 | 0.829 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |

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# Client Sample Results

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

Job ID: 752-38193-1

**Client Sample ID: 101625-Dup-SW**

**Lab Sample ID: 752-38193-8**

**Date Collected: 10/16/25 00:00**

**Matrix: Water**

**Date Received: 10/16/25 15:00**

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

| Analyte                       | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| 2-Methylphenol                | ND     |           | 10.2 | 0.778 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| 2-Nitroaniline                | ND     |           | 10.2 | 1.40  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| 2-Nitrophenol                 | ND     |           | 10.2 | 1.20  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| 3 & 4 Methylphenol            | ND     |           | 20.5 | 4.71  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 11.3 | 0.420 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| 3-Nitroaniline                | ND     |           | 10.2 | 0.973 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 10.2 | 2.02  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 10.2 | 0.133 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 10.2 | 0.747 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| 4-Chloroaniline               | ND     |           | 10.2 | 0.594 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 10.2 | 0.246 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| 4-Nitroaniline                | ND     |           | 10.2 | 3.58  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| 4-Nitrophenol                 | ND     |           | 10.2 | 2.81  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| Acenaphthene                  | ND     |           | 10.2 | 0.645 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| Acenaphthylene                | ND     |           | 10.2 | 0.778 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| Acetophenone                  | ND     |           | 10.2 | 3.28  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| Anthracene                    | ND     |           | 10.2 | 0.932 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| Atrazine                      | ND     |           | 10.2 | 1.16  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| Benzaldehyde                  | ND     |           | 10.2 | 0.686 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| Benzo[a]anthracene            | ND     |           | 10.2 | 1.02  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| Benzo[a]pyrene                | ND     |           | 10.2 | 1.13  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| Benzo[b]fluoranthene          | ND     |           | 10.2 | 1.23  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| Benzo[g,h,i]perylene          | ND     |           | 10.2 | 1.54  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| Benzo[k]fluoranthene          | ND     |           | 10.2 | 1.54  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 10.2 | 0.952 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 10.2 | 0.348 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 10.2 | 0.747 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 10.2 | 4.10  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| Butyl benzyl phthalate        | ND     |           | 10.2 | 4.10  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| Caprolactam                   | ND     | +         | 10.2 | 2.46  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| Carbazole                     | ND     |           | 10.2 | 0.328 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| Chrysene                      | ND     |           | 10.2 | 1.23  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 10.2 | 1.33  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| Dibenzofuran                  | ND     |           | 10.2 | 0.655 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| Diethyl phthalate             | ND     |           | 10.2 | 4.10  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| Dimethyl phthalate            | ND     |           | 10.2 | 4.10  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| Di-n-butyl phthalate          | ND     |           | 10.2 | 8.39  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| Di-n-octyl phthalate          | ND     |           | 10.2 | 4.10  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| Fluoranthene                  | ND     |           | 10.2 | 0.645 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| Fluorene                      | ND     |           | 10.2 | 0.686 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| Hexachlorobenzene             | ND     |           | 10.2 | 0.256 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| Hexachlorobutadiene           | ND     |           | 10.2 | 0.563 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| Hexachlorocyclopentadiene     | ND     |           | 20.5 | 0.328 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| Hexachloroethane              | ND     |           | 10.2 | 0.543 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| Indeno[1,2,3-cd]pyrene        | ND     |           | 10.2 | 1.13  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| Isophorone                    | ND     |           | 10.2 | 0.819 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| Naphthalene                   | ND     |           | 10.2 | 0.768 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| Nitrobenzene                  | ND     |           | 10.2 | 0.614 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| N-Nitrosodi-n-propylamine     | ND     |           | 10.2 | 0.338 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |

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# Client Sample Results

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

Job ID: 752-38193-1

**Client Sample ID: 101625-Dup-SW**

**Lab Sample ID: 752-38193-8**

Date Collected: 10/16/25 00:00

Matrix: Water

Date Received: 10/16/25 15:00

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

| Analyte                | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| N-Nitrosodiphenylamine | ND     |           | 10.2 | 0.195 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| Pentachlorophenol      | ND     |           | 10.2 | 2.87  | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| Phenanthrene           | ND     |           | 10.2 | 0.758 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| Phenol                 | ND     |           | 10.2 | 0.696 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| Pyrene                 | ND     |           | 10.2 | 0.645 | ug/L |   | 10/20/25 11:41 | 10/25/25 21:36 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   |  |  |  | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|--|--|--|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 130       |           | 10 - 150 |  |  |  | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| 2-Fluorobiphenyl (Surr)     | 88        |           | 25 - 139 |  |  |  | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| 2-Fluorophenol (Surr)       | 78        |           | 10 - 150 |  |  |  | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| Nitrobenzene-d5 (Surr)      | 119       |           | 22 - 150 |  |  |  | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| Phenol-d5 (Surr)            | 76        |           | 10 - 150 |  |  |  | 10/20/25 11:41 | 10/25/25 21:36 | 1       |
| Terphenyl-d14 (Surr)        | 57        |           | 28 - 150 |  |  |  | 10/20/25 11:41 | 10/25/25 21:36 | 1       |

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

| Analyte          | Result       | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Antimony         | ND           |           | 5.00  | 2.45  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:55 | 1       |
| <b>Arsenic</b>   | <b>1.44</b>  | <b>J</b>  | 5.00  | 1.32  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:55 | 1       |
| <b>Barium</b>    | <b>47.5</b>  |           | 10.0  | 0.410 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:55 | 1       |
| Beryllium        | ND           |           | 1.00  | 0.147 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:55 | 1       |
| Cadmium          | ND           |           | 0.700 | 0.237 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:55 | 1       |
| Chromium         | ND           |           | 5.00  | 3.69  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:55 | 1       |
| <b>Cobalt</b>    | <b>0.650</b> | <b>J</b>  | 5.00  | 0.411 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:55 | 1       |
| <b>Copper</b>    | <b>4.84</b>  |           | 2.00  | 0.642 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:55 | 1       |
| <b>Lead</b>      | <b>1.69</b>  |           | 1.00  | 0.864 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:55 | 1       |
| <b>Manganese</b> | <b>120</b>   |           | 5.00  | 1.29  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:55 | 1       |
| <b>Nickel</b>    | <b>2.41</b>  | <b>J</b>  | 5.00  | 0.422 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:55 | 1       |
| Selenium         | ND           |           | 5.00  | 2.29  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:55 | 1       |
| Silver           | ND           |           | 1.00  | 0.167 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:55 | 1       |
| Thallium         | ND           |           | 1.00  | 0.190 | ug/L |   | 10/22/25 08:27 | 10/28/25 07:55 | 1       |
| <b>Vanadium</b>  | <b>1.41</b>  | <b>J</b>  | 5.00  | 1.22  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:55 | 1       |
| <b>Zinc</b>      | <b>18.8</b>  |           | 10.0  | 8.91  | ug/L |   | 10/22/25 08:27 | 10/28/25 07:55 | 1       |

## Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.200 | 0.166 | ug/L |   | 10/24/25 12:28 | 10/24/25 18:45 | 1       |

## General Chemistry

| Analyte                                     | Result        | Qualifier | RL     | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|---|---------------|-----------|--------|--------|------|---|----------|----------------|---------|
| <b>Ammonia (as N) (EPA 350.1)</b>           | <b>0.0650</b> |           | 0.0500 | 0.0460 | mg/L |   |          | 10/27/25 11:56 | 1       |
| Nitrite as N (EPA 353.2)                    | ND            |           | 0.100  | 0.0168 | mg/L |   |          | 10/16/25 17:14 | 1       |
| <b>Nitrate as N (SM Nitrate by calc)</b>    | <b>0.0720</b> | <b>J</b>  | 0.100  | 0.0250 | mg/L |   |          | 10/21/25 09:48 | 1       |
| <b>Nitrate Nitrite as N (SM 4500 NO3 F)</b> | <b>0.0720</b> |           | 0.0500 | 0.0180 | mg/L |   |          | 10/21/25 17:42 | 1       |
| <b>Sulfate (SM 4500 SO4 E)</b>              | <b>28.1</b>   |           | 5.00   | 1.40   | mg/L |   |          | 10/20/25 15:57 | 1       |

# Client Sample Results

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

Job ID: 752-38193-1

**Client Sample ID: Trip Blank**

**Lab Sample ID: 752-38193-9**

Date Collected: 10/16/25 00:00

Matrix: Water

Date Received: 10/16/25 15:00

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

| Analyte                     | Result | Qualifier | RL   | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|--------|------|---|----------|----------------|---------|
| Acetone                     | ND     |           | 25.0 | 10.0   | ug/L |   |          | 10/23/25 17:41 | 1       |
| Benzene                     | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 17:41 | 1       |
| Bromobenzene                | ND     |           | 1.00 | 0.540  | ug/L |   |          | 10/23/25 17:41 | 1       |
| Bromoform                   | ND     |           | 5.00 | 0.250  | ug/L |   |          | 10/23/25 17:41 | 1       |
| Bromomethane                | ND     |           | 1.00 | 0.980  | ug/L |   |          | 10/23/25 17:41 | 1       |
| 2-Butanone (MEK)            | ND     |           | 25.0 | 2.60   | ug/L |   |          | 10/23/25 17:41 | 1       |
| Carbon disulfide            | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 17:41 | 1       |
| Carbon tetrachloride        | ND     |           | 1.00 | 0.190  | ug/L |   |          | 10/23/25 17:41 | 1       |
| Chlorobenzene               | ND     |           | 1.00 | 0.420  | ug/L |   |          | 10/23/25 17:41 | 1       |
| Chlorobromomethane          | ND     |           | 1.00 | 0.520  | ug/L |   |          | 10/23/25 17:41 | 1       |
| Chlorodibromomethane        | ND     |           | 1.00 | 0.240  | ug/L |   |          | 10/23/25 17:41 | 1       |
| Chloroethane                | ND     |           | 1.00 | 0.760  | ug/L |   |          | 10/23/25 17:41 | 1       |
| Chloroform                  | ND     |           | 1.00 | 0.900  | ug/L |   |          | 10/23/25 17:41 | 1       |
| Chloromethane               | ND     |           | 1.00 | 0.400  | ug/L |   |          | 10/23/25 17:41 | 1       |
| 2-Chlorotoluene             | ND     |           | 1.00 | 0.570  | ug/L |   |          | 10/23/25 17:41 | 1       |
| 4-Chlorotoluene             | ND     |           | 1.00 | 0.560  | ug/L |   |          | 10/23/25 17:41 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 1.00 | 0.200  | ug/L |   |          | 10/23/25 17:41 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 5.00 | 0.500  | ug/L |   |          | 10/23/25 17:41 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND     |           | 5.00 | 1.50   | ug/L |   |          | 10/23/25 17:41 | 1       |
| Dibromomethane              | ND     |           | 5.00 | 0.220  | ug/L |   |          | 10/23/25 17:41 | 1       |
| 1,2-Dichlorobenzene         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 17:41 | 1       |
| 1,3-Dichlorobenzene         | ND     |           | 1.00 | 0.540  | ug/L |   |          | 10/23/25 17:41 | 1       |
| 1,4-Dichlorobenzene         | ND     |           | 1.00 | 0.640  | ug/L |   |          | 10/23/25 17:41 | 1       |
| Dichlorobromomethane        | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 17:41 | 1       |
| 1,1-Dichloroethane          | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 17:41 | 1       |
| 1,2-Dichloroethane          | ND     |           | 1.00 | 0.550  | ug/L |   |          | 10/23/25 17:41 | 1       |
| 1,1-Dichloroethene          | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 17:41 | 1       |
| 1,2-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 17:41 | 1       |
| 1,3-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 17:41 | 1       |
| 2,2-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 17:41 | 1       |
| 1,1-Dichloropropene         | ND     |           | 1.00 | 0.0900 | ug/L |   |          | 10/23/25 17:41 | 1       |
| Ethyl acetate               | ND     |           | 10.0 | 6.14   | ug/L |   |          | 10/23/25 17:41 | 1       |
| Ethylbenzene                | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 17:41 | 1       |
| Ethylene Dibromide          | ND     |           | 1.00 | 0.230  | ug/L |   |          | 10/23/25 17:41 | 1       |
| Hexachlorobutadiene         | ND     |           | 5.00 | 0.900  | ug/L |   |          | 10/23/25 17:41 | 1       |
| Hexane                      | ND     |           | 1.00 | 0.960  | ug/L |   |          | 10/23/25 17:41 | 1       |
| 2-Hexanone                  | ND     |           | 25.0 | 4.26   | ug/L |   |          | 10/23/25 17:41 | 1       |
| Iodomethane                 | ND     |           | 1.00 | 0.900  | ug/L |   |          | 10/23/25 17:41 | 1       |
| Isopropylbenzene            | ND     |           | 1.00 | 0.530  | ug/L |   |          | 10/23/25 17:41 | 1       |
| Isopropyl ether             | ND     |           | 1.00 | 0.740  | ug/L |   |          | 10/23/25 17:41 | 1       |
| 4-Isopropyltoluene          | ND     |           | 1.00 | 0.710  | ug/L |   |          | 10/23/25 17:41 | 1       |
| Methylene Chloride          | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 17:41 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     |           | 25.0 | 1.80   | ug/L |   |          | 10/23/25 17:41 | 1       |
| Methyl tert-butyl ether     | ND     |           | 1.00 | 0.220  | ug/L |   |          | 10/23/25 17:41 | 1       |
| m-Xylene & p-Xylene         | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 17:41 | 1       |
| Naphthalene                 | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 17:41 | 1       |
| n-Butylbenzene              | ND     |           | 1.00 | 0.760  | ug/L |   |          | 10/23/25 17:41 | 1       |
| n-Heptane                   | ND     |           | 1.00 | 0.210  | ug/L |   |          | 10/23/25 17:41 | 1       |
| N-Propylbenzene             | ND     |           | 1.00 | 0.690  | ug/L |   |          | 10/23/25 17:41 | 1       |

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# Client Sample Results

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

Job ID: 752-38193-1

**Client Sample ID: Trip Blank**

**Lab Sample ID: 752-38193-9**

**Date Collected: 10/16/25 00:00**

**Matrix: Water**

**Date Received: 10/16/25 15:00**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| o-Xylene                              | ND     |           | 5.00 | 3.00  | ug/L |   |          | 10/23/25 17:41 | 1       |
| sec-Butylbenzene                      | ND     |           | 1.00 | 0.700 | ug/L |   |          | 10/23/25 17:41 | 1       |
| Styrene                               | ND     |           | 1.00 | 1.00  | ug/L |   |          | 10/23/25 17:41 | 1       |
| tert-Butylbenzene                     | ND     |           | 1.00 | 0.630 | ug/L |   |          | 10/23/25 17:41 | 1       |
| 1,1,1,2-Tetrachloroethane             | ND     |           | 1.00 | 0.380 | ug/L |   |          | 10/23/25 17:41 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 17:41 | 1       |
| Tetrachloroethene                     | ND     |           | 1.00 | 0.330 | ug/L |   |          | 10/23/25 17:41 | 1       |
| Toluene                               | ND     |           | 1.00 | 0.900 | ug/L |   |          | 10/23/25 17:41 | 1       |
| trans-1,4-Dichloro-2-butene           | ND     |           | 5.00 | 1.00  | ug/L |   |          | 10/23/25 17:41 | 1       |
| trans-1,2-Dichloroethene              | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 17:41 | 1       |
| trans-1,3-Dichloropropene             | ND     |           | 5.00 | 0.200 | ug/L |   |          | 10/23/25 17:41 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 1.00 | 0.900 | ug/L |   |          | 10/23/25 17:41 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 1.00 | 0.820 | ug/L |   |          | 10/23/25 17:41 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 1.00 | 0.180 | ug/L |   |          | 10/23/25 17:41 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 5.00 | 0.210 | ug/L |   |          | 10/23/25 17:41 | 1       |
| Trichloroethene                       | ND     |           | 1.00 | 0.150 | ug/L |   |          | 10/23/25 17:41 | 1       |
| Trichlorofluoromethane                | ND     |           | 1.00 | 0.250 | ug/L |   |          | 10/23/25 17:41 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 5.00 | 0.840 | ug/L |   |          | 10/23/25 17:41 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 17:41 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 1.00 | 0.820 | ug/L |   |          | 10/23/25 17:41 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 1.00 | 0.560 | ug/L |   |          | 10/23/25 17:41 | 1       |
| Vinyl acetate                         | ND     |           | 25.0 | 0.930 | ug/L |   |          | 10/23/25 17:41 | 1       |
| Vinyl chloride                        | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/23/25 17:41 | 1       |
| Xylenes, Total                        | ND     |           | 10.0 | 6.00  | ug/L |   |          | 10/23/25 17:41 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene         | 107       |           | 56 - 136 |          | 10/23/25 17:41 | 1       |
| Dibromofluoromethane         | 103       |           | 79 - 130 |          | 10/23/25 17:41 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 106       |           | 59 - 146 |          | 10/23/25 17:41 | 1       |
| Toluene-d8 (Surr)            | 102       |           | 64 - 132 |          | 10/23/25 17:41 | 1       |

# Surrogate Summary

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

Job ID: 752-38193-1

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

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID       | Client Sample ID   | Percent Surrogate Recovery (Acceptance Limits) |                  |                 |                 |
|---------------------|--------------------|--|------------------|-----------------|-----------------|
|                     |                    | BFB<br>(56-136)                                | DBFM<br>(79-130) | DCA<br>(59-146) | TOL<br>(64-132) |
| 752-38193-1         | SW-1               | 106  | 105              | 105             | 100             |
| 752-38193-1 MS      | SW-1               | 94   | 100              | 96              | 98              |
| 752-38193-1 MSD     | SW-1               | 96   | 98               | 94              | 100             |
| 752-38193-2         | SW-2               | 103  | 106              | 106             | 102             |
| 752-38193-3         | SW-3               | 104  | 106              | 105             | 101             |
| 752-38193-4         | SW-4               | 105  | 103              | 106             | 100             |
| 752-38193-5         | SW-5               | 102  | 108              | 109             | 100             |
| 752-38193-6         | SW-6               | 106  | 107              | 108             | 100             |
| 752-38193-7         | SW-7               | 104  | 103              | 108             | 101             |
| 752-38193-8         | 101625-Dup-SW      | 105  | 106              | 107             | 100             |
| 752-38193-9         | Trip Blank         | 107  | 103              | 106             | 102             |
| LCS 400-727858/1003 | Lab Control Sample | 95   | 99               | 93              | 100             |
| MB 400-727858/5     | Method Blank       | 108  | 101              | 105             | 101             |

### Surrogate Legend

BFB = 4-Bromofluorobenzene  
DBFM = Dibromofluoromethane  
DCA = 1,2-Dichloroethane-d4 (Surr)  
TOL = Toluene-d8 (Surr)

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

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID       | Client Sample ID       | Percent Surrogate Recovery (Acceptance Limits) |                 |                 |                 |                 |                  |
|---------------------|------------------------|--|-----------------|-----------------|-----------------|-----------------|------------------|
|                     |                        | TBP<br>(10-150)                                | FBP<br>(25-139) | 2FP<br>(10-150) | NBZ<br>(22-150) | PHL<br>(10-150) | TPHL<br>(28-150) |
| 752-38193-1         | SW-1                   | 126  | 90              | 86              | 124             | 85              | 55               |
| 752-38193-2         | SW-2                   | 124  | 91              | 82              | 130             | 79              | 57               |
| 752-38193-3         | SW-3                   | 119  | 86              | 77              | 127             | 74              | 57               |
| 752-38193-4         | SW-4                   | 124  | 87              | 79              | 128             | 75              | 52               |
| 752-38193-5         | SW-5                   | 123  | 83              | 77              | 120             | 72              | 49               |
| 752-38193-6         | SW-6                   | 125  | 85              | 83              | 130             | 77              | 50               |
| 752-38193-7         | SW-7                   | 212 S1+  | 86              | 163 S1+         | 119             | 165 S1+         | 82               |
| 752-38193-8         | 101625-Dup-SW          | 130  | 88              | 78              | 119             | 76              | 57               |
| LCS 400-727411/2-A  | Lab Control Sample     | 91   | 73              | 102             | 79              | 101             | 84               |
| LCSD 400-727411/3-A | Lab Control Sample Dup | 93   | 55              | 93              | 59              | 90              | 66               |
| MB 400-727411/1-A   | Method Blank           | 90   | 80              | 106             | 92              | 95              | 96               |

### Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)  
FBP = 2-Fluorobiphenyl (Surr)  
2FP = 2-Fluorophenol (Surr)  
NBZ = Nitrobenzene-d5 (Surr)  
PHL = Phenol-d5 (Surr)  
TPHL = Terphenyl-d14 (Surr)

# Isotope Dilution Summary

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

Job ID: 752-38193-1

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

**Matrix: Water**

**Prep Type: Total/NA**

## Percent Isotope Dilution Recovery (Acceptance Limits)

| Lab Sample ID       | Client Sample ID       | DXE<br>(10-140) |
|---------------------|------------------------|-----------------|
| 752-38193-1         | SW-1                   | 31              |
| 752-38193-2         | SW-2                   | 28              |
| 752-38193-3         | SW-3                   | 28              |
| 752-38193-4         | SW-4                   | 27              |
| 752-38193-5         | SW-5                   | 30              |
| 752-38193-6         | SW-6                   | 28              |
| 752-38193-7         | SW-7                   | 27              |
| 752-38193-8         | 101625-Dup-SW          | 28              |
| LCS 400-727264/2-A  | Lab Control Sample     | 25              |
| LCSD 400-727264/3-A | Lab Control Sample Dup | 27              |
| MB 400-727264/1-A   | Method Blank           | 15              |

### Surrogate Legend

DXE = 1,4-Dioxane-d8

# QC Sample Results

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

Job ID: 752-38193-1

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

**Lab Sample ID: MB 400-727858/5**  
**Matrix: Water**  
**Analysis Batch: 727858**

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

| Analyte                     | MB     | MB        | RL   | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|--------|------|---|----------|----------------|---------|
|                             | Result | Qualifier |      |        |      |   |          |                |         |
| Acetone                     | ND     |           | 25.0 | 10.0   | ug/L |   |          | 10/23/25 13:29 | 1       |
| Benzene                     | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 13:29 | 1       |
| Bromobenzene                | ND     |           | 1.00 | 0.540  | ug/L |   |          | 10/23/25 13:29 | 1       |
| Bromoform                   | ND     |           | 5.00 | 0.250  | ug/L |   |          | 10/23/25 13:29 | 1       |
| Bromomethane                | ND     |           | 1.00 | 0.980  | ug/L |   |          | 10/23/25 13:29 | 1       |
| 2-Butanone (MEK)            | ND     |           | 25.0 | 2.60   | ug/L |   |          | 10/23/25 13:29 | 1       |
| Carbon disulfide            | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 13:29 | 1       |
| Carbon tetrachloride        | ND     |           | 1.00 | 0.190  | ug/L |   |          | 10/23/25 13:29 | 1       |
| Chlorobenzene               | ND     |           | 1.00 | 0.420  | ug/L |   |          | 10/23/25 13:29 | 1       |
| Chlorobromomethane          | ND     |           | 1.00 | 0.520  | ug/L |   |          | 10/23/25 13:29 | 1       |
| Chlorodibromomethane        | ND     |           | 1.00 | 0.240  | ug/L |   |          | 10/23/25 13:29 | 1       |
| Chloroethane                | ND     |           | 1.00 | 0.760  | ug/L |   |          | 10/23/25 13:29 | 1       |
| Chloroform                  | ND     |           | 1.00 | 0.900  | ug/L |   |          | 10/23/25 13:29 | 1       |
| Chloromethane               | ND     |           | 1.00 | 0.400  | ug/L |   |          | 10/23/25 13:29 | 1       |
| 2-Chlorotoluene             | ND     |           | 1.00 | 0.570  | ug/L |   |          | 10/23/25 13:29 | 1       |
| 4-Chlorotoluene             | ND     |           | 1.00 | 0.560  | ug/L |   |          | 10/23/25 13:29 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 1.00 | 0.200  | ug/L |   |          | 10/23/25 13:29 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 5.00 | 0.500  | ug/L |   |          | 10/23/25 13:29 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND     |           | 5.00 | 1.50   | ug/L |   |          | 10/23/25 13:29 | 1       |
| Dibromomethane              | ND     |           | 5.00 | 0.220  | ug/L |   |          | 10/23/25 13:29 | 1       |
| 1,2-Dichlorobenzene         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 13:29 | 1       |
| 1,3-Dichlorobenzene         | ND     |           | 1.00 | 0.540  | ug/L |   |          | 10/23/25 13:29 | 1       |
| 1,4-Dichlorobenzene         | ND     |           | 1.00 | 0.640  | ug/L |   |          | 10/23/25 13:29 | 1       |
| Dichlorobromomethane        | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 13:29 | 1       |
| 1,1-Dichloroethane          | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 13:29 | 1       |
| 1,2-Dichloroethane          | ND     |           | 1.00 | 0.550  | ug/L |   |          | 10/23/25 13:29 | 1       |
| 1,1-Dichloroethene          | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 13:29 | 1       |
| 1,2-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 13:29 | 1       |
| 1,3-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 13:29 | 1       |
| 2,2-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 13:29 | 1       |
| 1,1-Dichloropropene         | ND     |           | 1.00 | 0.0900 | ug/L |   |          | 10/23/25 13:29 | 1       |
| Ethyl acetate               | ND     |           | 10.0 | 6.14   | ug/L |   |          | 10/23/25 13:29 | 1       |
| Ethylbenzene                | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/23/25 13:29 | 1       |
| Ethylene Dibromide          | ND     |           | 1.00 | 0.230  | ug/L |   |          | 10/23/25 13:29 | 1       |
| Hexachlorobutadiene         | ND     |           | 5.00 | 0.900  | ug/L |   |          | 10/23/25 13:29 | 1       |
| Hexane                      | ND     |           | 1.00 | 0.960  | ug/L |   |          | 10/23/25 13:29 | 1       |
| 2-Hexanone                  | ND     |           | 25.0 | 4.26   | ug/L |   |          | 10/23/25 13:29 | 1       |
| Iodomethane                 | ND     |           | 1.00 | 0.900  | ug/L |   |          | 10/23/25 13:29 | 1       |
| Isopropylbenzene            | ND     |           | 1.00 | 0.530  | ug/L |   |          | 10/23/25 13:29 | 1       |
| Isopropyl ether             | ND     |           | 1.00 | 0.740  | ug/L |   |          | 10/23/25 13:29 | 1       |
| 4-Isopropyltoluene          | ND     |           | 1.00 | 0.710  | ug/L |   |          | 10/23/25 13:29 | 1       |
| Methylene Chloride          | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 13:29 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     |           | 25.0 | 1.80   | ug/L |   |          | 10/23/25 13:29 | 1       |
| Methyl tert-butyl ether     | ND     |           | 1.00 | 0.220  | ug/L |   |          | 10/23/25 13:29 | 1       |
| m-Xylene & p-Xylene         | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 13:29 | 1       |
| Naphthalene                 | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/23/25 13:29 | 1       |
| n-Butylbenzene              | ND     |           | 1.00 | 0.760  | ug/L |   |          | 10/23/25 13:29 | 1       |
| n-Heptane                   | ND     |           | 1.00 | 0.210  | ug/L |   |          | 10/23/25 13:29 | 1       |

# QC Sample Results

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

Job ID: 752-38193-1

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

**Lab Sample ID: MB 400-727858/5**  
**Matrix: Water**  
**Analysis Batch: 727858**

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

| Analyte                               | MB Result | MB Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|-----------|--------------|------|-------|------|---|----------|----------------|---------|
| N-Propylbenzene                       | ND        |              | 1.00 | 0.690 | ug/L |   |          | 10/23/25 13:29 | 1       |
| o-Xylene                              | ND        |              | 5.00 | 3.00  | ug/L |   |          | 10/23/25 13:29 | 1       |
| sec-Butylbenzene                      | ND        |              | 1.00 | 0.700 | ug/L |   |          | 10/23/25 13:29 | 1       |
| Styrene                               | ND        |              | 1.00 | 1.00  | ug/L |   |          | 10/23/25 13:29 | 1       |
| tert-Butylbenzene                     | ND        |              | 1.00 | 0.630 | ug/L |   |          | 10/23/25 13:29 | 1       |
| 1,1,1,2-Tetrachloroethane             | ND        |              | 1.00 | 0.380 | ug/L |   |          | 10/23/25 13:29 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND        |              | 1.00 | 0.500 | ug/L |   |          | 10/23/25 13:29 | 1       |
| Tetrachloroethene                     | ND        |              | 1.00 | 0.330 | ug/L |   |          | 10/23/25 13:29 | 1       |
| Toluene                               | ND        |              | 1.00 | 0.900 | ug/L |   |          | 10/23/25 13:29 | 1       |
| trans-1,4-Dichloro-2-butene           | ND        |              | 5.00 | 1.00  | ug/L |   |          | 10/23/25 13:29 | 1       |
| trans-1,2-Dichloroethene              | ND        |              | 1.00 | 0.500 | ug/L |   |          | 10/23/25 13:29 | 1       |
| trans-1,3-Dichloropropene             | ND        |              | 5.00 | 0.200 | ug/L |   |          | 10/23/25 13:29 | 1       |
| 1,2,3-Trichlorobenzene                | ND        |              | 1.00 | 0.900 | ug/L |   |          | 10/23/25 13:29 | 1       |
| 1,2,4-Trichlorobenzene                | ND        |              | 1.00 | 0.820 | ug/L |   |          | 10/23/25 13:29 | 1       |
| 1,1,1-Trichloroethane                 | ND        |              | 1.00 | 0.180 | ug/L |   |          | 10/23/25 13:29 | 1       |
| 1,1,2-Trichloroethane                 | ND        |              | 5.00 | 0.210 | ug/L |   |          | 10/23/25 13:29 | 1       |
| Trichloroethene                       | ND        |              | 1.00 | 0.150 | ug/L |   |          | 10/23/25 13:29 | 1       |
| Trichlorofluoromethane                | ND        |              | 1.00 | 0.250 | ug/L |   |          | 10/23/25 13:29 | 1       |
| 1,2,3-Trichloropropane                | ND        |              | 5.00 | 0.840 | ug/L |   |          | 10/23/25 13:29 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND        |              | 1.00 | 0.500 | ug/L |   |          | 10/23/25 13:29 | 1       |
| 1,2,4-Trimethylbenzene                | ND        |              | 1.00 | 0.820 | ug/L |   |          | 10/23/25 13:29 | 1       |
| 1,3,5-Trimethylbenzene                | ND        |              | 1.00 | 0.560 | ug/L |   |          | 10/23/25 13:29 | 1       |
| Vinyl acetate                         | ND        |              | 25.0 | 0.930 | ug/L |   |          | 10/23/25 13:29 | 1       |
| Vinyl chloride                        | ND        |              | 1.00 | 0.500 | ug/L |   |          | 10/23/25 13:29 | 1       |
| Xylenes, Total                        | ND        |              | 10.0 | 6.00  | ug/L |   |          | 10/23/25 13:29 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene         | 108          |              | 56 - 136 |          | 10/23/25 13:29 | 1       |
| Dibromofluoromethane         | 101          |              | 79 - 130 |          | 10/23/25 13:29 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 105          |              | 59 - 146 |          | 10/23/25 13:29 | 1       |
| Toluene-d8 (Surr)            | 101          |              | 64 - 132 |          | 10/23/25 13:29 | 1       |

**Lab Sample ID: LCS 400-727858/1003**  
**Matrix: Water**  
**Analysis Batch: 727858**

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

| Analyte              | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------------------|-------------|------------|---------------|------|---|------|-------------|
| Acetone              | 200         | 179.7      |               | ug/L |   | 90   | 43 - 150    |
| Benzene              | 50.0        | 50.95      |               | ug/L |   | 102  | 70 - 130    |
| Bromobenzene         | 50.0        | 54.56      |               | ug/L |   | 109  | 70 - 132    |
| Bromoform            | 50.0        | 53.06      |               | ug/L |   | 106  | 57 - 140    |
| Bromomethane         | 50.0        | 74.57      |               | ug/L |   | 149  | 10 - 150    |
| 2-Butanone (MEK)     | 200         | 192.4      |               | ug/L |   | 96   | 61 - 145    |
| Carbon disulfide     | 50.0        | 49.02      |               | ug/L |   | 98   | 61 - 137    |
| Carbon tetrachloride | 50.0        | 52.11      |               | ug/L |   | 104  | 61 - 137    |
| Chlorobenzene        | 50.0        | 54.28      |               | ug/L |   | 109  | 70 - 130    |
| Chlorobromomethane   | 50.0        | 51.18      |               | ug/L |   | 102  | 70 - 130    |
| Chlorodibromomethane | 50.0        | 54.09      |               | ug/L |   | 108  | 67 - 135    |

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# QC Sample Results

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

Job ID: 752-38193-1

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

**Lab Sample ID: LCS 400-727858/1003**  
**Matrix: Water**  
**Analysis Batch: 727858**

**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        | 62.98      |               | ug/L |   | 126  | 55 - 141    |
| Chloroform                  | 50.0        | 50.64      |               | ug/L |   | 101  | 69 - 130    |
| Chloromethane               | 50.0        | 64.43      |               | ug/L |   | 129  | 58 - 137    |
| 2-Chlorotoluene             | 50.0        | 52.23      |               | ug/L |   | 104  | 70 - 130    |
| 4-Chlorotoluene             | 50.0        | 54.86      |               | ug/L |   | 110  | 70 - 130    |
| cis-1,2-Dichloroethene      | 50.0        | 50.07      |               | ug/L |   | 100  | 68 - 130    |
| cis-1,3-Dichloropropene     | 50.0        | 53.59      |               | ug/L |   | 107  | 69 - 132    |
| 1,2-Dibromo-3-Chloropropane | 50.0        | 48.77      |               | ug/L |   | 98   | 54 - 135    |
| Dibromomethane              | 50.0        | 49.35      |               | ug/L |   | 99   | 70 - 130    |
| 1,2-Dichlorobenzene         | 50.0        | 55.74      |               | ug/L |   | 111  | 67 - 130    |
| 1,3-Dichlorobenzene         | 50.0        | 55.60      |               | ug/L |   | 111  | 70 - 130    |
| 1,4-Dichlorobenzene         | 50.0        | 55.19      |               | ug/L |   | 110  | 70 - 130    |
| Dichlorobromomethane        | 50.0        | 50.76      |               | ug/L |   | 102  | 67 - 133    |
| 1,1-Dichloroethane          | 50.0        | 50.06      |               | ug/L |   | 100  | 70 - 130    |
| 1,2-Dichloroethane          | 50.0        | 47.89      |               | ug/L |   | 96   | 69 - 130    |
| 1,1-Dichloroethene          | 50.0        | 47.33      |               | ug/L |   | 95   | 63 - 134    |
| 1,2-Dichloropropane         | 50.0        | 50.64      |               | ug/L |   | 101  | 70 - 130    |
| 1,3-Dichloropropane         | 50.0        | 52.31      |               | ug/L |   | 105  | 70 - 130    |
| 2,2-Dichloropropane         | 50.0        | 49.82      |               | ug/L |   | 100  | 52 - 135    |
| 1,1-Dichloropropene         | 50.0        | 51.61      |               | ug/L |   | 103  | 70 - 130    |
| Ethyl acetate               | 100         | 92.82      |               | ug/L |   | 93   | 34 - 150    |
| Ethylbenzene                | 50.0        | 55.79      |               | ug/L |   | 112  | 70 - 130    |
| Ethylene Dibromide          | 50.0        | 53.53      |               | ug/L |   | 107  | 70 - 130    |
| Hexachlorobutadiene         | 50.0        | 57.88      |               | ug/L |   | 116  | 53 - 140    |
| Hexane                      | 50.0        | 49.32      |               | ug/L |   | 99   | 69 - 130    |
| 2-Hexanone                  | 200         | 210.0      |               | ug/L |   | 105  | 65 - 137    |
| Iodomethane                 | 50.0        | 57.78      |               | ug/L |   | 116  | 27 - 150    |
| Isopropylbenzene            | 50.0        | 58.38      |               | ug/L |   | 117  | 70 - 130    |
| Isopropyl ether             | 50.0        | 47.18      |               | ug/L |   | 94   | 64 - 132    |
| 4-Isopropyltoluene          | 50.0        | 58.62      |               | ug/L |   | 117  | 65 - 130    |
| Methylene Chloride          | 50.0        | 54.35      |               | ug/L |   | 109  | 66 - 135    |
| 4-Methyl-2-pentanone (MIBK) | 200         | 186.0      |               | ug/L |   | 93   | 69 - 138    |
| Methyl tert-butyl ether     | 50.0        | 47.19      |               | ug/L |   | 94   | 66 - 130    |
| m-Xylene & p-Xylene         | 50.0        | 55.90      |               | ug/L |   | 112  | 70 - 130    |
| Naphthalene                 | 50.0        | 53.06      |               | ug/L |   | 106  | 47 - 149    |
| n-Butylbenzene              | 50.0        | 56.98      |               | ug/L |   | 114  | 67 - 130    |
| n-Heptane                   | 50.0        | 48.04      |               | ug/L |   | 96   | 70 - 130    |
| N-Propylbenzene             | 50.0        | 57.09      |               | ug/L |   | 114  | 70 - 130    |
| o-Xylene                    | 50.0        | 55.50      |               | ug/L |   | 111  | 70 - 130    |
| sec-Butylbenzene            | 50.0        | 56.29      |               | ug/L |   | 113  | 66 - 130    |
| Styrene                     | 50.0        | 56.64      |               | ug/L |   | 113  | 70 - 130    |
| tert-Butylbenzene           | 50.0        | 54.50      |               | ug/L |   | 109  | 64 - 139    |
| 1,1,1,2-Tetrachloroethane   | 50.0        | 56.45      |               | ug/L |   | 113  | 67 - 131    |
| 1,1,1,2,2-Tetrachloroethane | 50.0        | 47.72      |               | ug/L |   | 95   | 70 - 131    |
| Tetrachloroethene           | 50.0        | 53.21      |               | ug/L |   | 106  | 65 - 130    |
| Toluene                     | 50.0        | 53.23      |               | ug/L |   | 106  | 70 - 130    |
| trans-1,4-Dichloro-2-butene | 50.0        | 50.56      |               | ug/L |   | 101  | 57 - 140    |
| trans-1,2-Dichloroethene    | 50.0        | 48.04      |               | ug/L |   | 96   | 70 - 130    |
| trans-1,3-Dichloropropene   | 50.0        | 54.39      |               | ug/L |   | 109  | 63 - 130    |

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# QC Sample Results

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

Job ID: 752-38193-1

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

**Lab Sample ID: LCS 400-727858/1003**  
**Matrix: Water**  
**Analysis Batch: 727858**

**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        | 55.83      |               | ug/L |   | 112  | 60 - 138    |
| 1,2,4-Trichlorobenzene                | 50.0        | 55.83      |               | ug/L |   | 112  | 60 - 140    |
| 1,1,1-Trichloroethane                 | 50.0        | 50.43      |               | ug/L |   | 101  | 68 - 130    |
| 1,1,2-Trichloroethane                 | 50.0        | 52.33      |               | ug/L |   | 105  | 70 - 130    |
| Trichloroethene                       | 50.0        | 51.30      |               | ug/L |   | 103  | 70 - 130    |
| Trichlorofluoromethane                | 50.0        | 52.49      |               | ug/L |   | 105  | 65 - 138    |
| 1,2,3-Trichloropropane                | 50.0        | 50.03      |               | ug/L |   | 100  | 70 - 130    |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 50.0        | 50.59      |               | ug/L |   | 101  | 60 - 139    |
| 1,2,4-Trimethylbenzene                | 50.0        | 57.14      |               | ug/L |   | 114  | 70 - 130    |
| 1,3,5-Trimethylbenzene                | 50.0        | 56.84      |               | ug/L |   | 114  | 69 - 130    |
| Vinyl acetate                         | 100         | 117.2      |               | ug/L |   | 117  | 26 - 150    |
| Vinyl chloride                        | 50.0        | 60.24      |               | ug/L |   | 120  | 59 - 136    |
| Xylenes, Total                        | 100         | 111.4      |               | ug/L |   | 111  | 70 - 130    |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene         | 95            |               | 56 - 136 |
| Dibromofluoromethane         | 99            |               | 79 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 93            |               | 59 - 146 |
| Toluene-d8 (Surr)            | 100           |               | 64 - 132 |

**Lab Sample ID: 752-38193-1 MS**  
**Matrix: Water**  
**Analysis Batch: 727858**

**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            |                  | 200         | 105.3     |              | ug/L |   | 53   | 43 - 150    |
| Benzene                     | ND            |                  | 50.0        | 50.75     |              | ug/L |   | 101  | 56 - 142    |
| Bromobenzene                | ND            |                  | 50.0        | 49.29     |              | ug/L |   | 99   | 59 - 136    |
| Bromoform                   | ND            |                  | 50.0        | 50.52     |              | ug/L |   | 101  | 50 - 140    |
| Bromomethane                | ND            |                  | 50.0        | 53.79     |              | ug/L |   | 108  | 10 - 150    |
| 2-Butanone (MEK)            | ND            |                  | 200         | 144.6     |              | ug/L |   | 72   | 55 - 150    |
| Carbon disulfide            | ND            |                  | 50.0        | 46.31     |              | ug/L |   | 93   | 48 - 150    |
| Carbon tetrachloride        | ND            |                  | 50.0        | 50.70     |              | ug/L |   | 101  | 55 - 145    |
| Chlorobenzene               | ND            |                  | 50.0        | 51.30     |              | ug/L |   | 103  | 64 - 130    |
| Chlorobromomethane          | ND            |                  | 50.0        | 51.28     |              | ug/L |   | 103  | 64 - 140    |
| Chlorodibromomethane        | ND            |                  | 50.0        | 52.97     |              | ug/L |   | 106  | 56 - 143    |
| Chloroethane                | ND            |                  | 50.0        | 51.97     |              | ug/L |   | 104  | 50 - 150    |
| Chloroform                  | ND            |                  | 50.0        | 50.05     |              | ug/L |   | 100  | 60 - 141    |
| Chloromethane               | ND            |                  | 50.0        | 47.99     |              | ug/L |   | 96   | 49 - 148    |
| 2-Chlorotoluene             | ND            |                  | 50.0        | 48.46     |              | ug/L |   | 97   | 53 - 134    |
| 4-Chlorotoluene             | ND            |                  | 50.0        | 49.79     |              | ug/L |   | 100  | 54 - 133    |
| cis-1,2-Dichloroethene      | ND            |                  | 50.0        | 48.99     |              | ug/L |   | 98   | 59 - 143    |
| cis-1,3-Dichloropropene     | ND            |                  | 50.0        | 51.86     |              | ug/L |   | 104  | 57 - 140    |
| 1,2-Dibromo-3-Chloropropane | ND            |                  | 50.0        | 47.76     |              | ug/L |   | 96   | 45 - 135    |
| Dibromomethane              | ND            |                  | 50.0        | 50.33     |              | ug/L |   | 101  | 63 - 138    |
| 1,2-Dichlorobenzene         | ND            |                  | 50.0        | 51.34     |              | ug/L |   | 103  | 52 - 137    |
| 1,3-Dichlorobenzene         | ND            |                  | 50.0        | 50.94     |              | ug/L |   | 102  | 54 - 135    |
| 1,4-Dichlorobenzene         | ND            |                  | 50.0        | 50.07     |              | ug/L |   | 100  | 53 - 135    |

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# QC Sample Results

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

Job ID: 752-38193-1

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

**Lab Sample ID: 752-38193-1 MS**  
**Matrix: Water**  
**Analysis Batch: 727858**

**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            |                  | 50.0        | 50.14     |              | ug/L |   | 100  | 59 - 143    |
| 1,1-Dichloroethane                    | ND            |                  | 50.0        | 49.36     |              | ug/L |   | 99   | 61 - 144    |
| 1,2-Dichloroethane                    | ND            |                  | 50.0        | 48.27     |              | ug/L |   | 97   | 60 - 141    |
| 1,1-Dichloroethene                    | ND            |                  | 50.0        | 45.04     |              | ug/L |   | 90   | 54 - 147    |
| 1,2-Dichloropropane                   | ND            |                  | 50.0        | 51.04     |              | ug/L |   | 102  | 66 - 137    |
| 1,3-Dichloropropane                   | ND            |                  | 50.0        | 51.38     |              | ug/L |   | 103  | 66 - 133    |
| 2,2-Dichloropropane                   | ND            |                  | 50.0        | 47.38     |              | ug/L |   | 95   | 42 - 144    |
| 1,1-Dichloropropene                   | ND            |                  | 50.0        | 51.33     |              | ug/L |   | 103  | 65 - 136    |
| Ethyl acetate                         | ND            |                  | 100         | 86.92     |              | ug/L |   | 87   | 34 - 150    |
| Ethylbenzene                          | ND            |                  | 50.0        | 51.98     |              | ug/L |   | 104  | 58 - 131    |
| Ethylene Dibromide                    | ND            |                  | 50.0        | 52.78     |              | ug/L |   | 106  | 64 - 132    |
| Hexachlorobutadiene                   | ND            |                  | 50.0        | 50.80     |              | ug/L |   | 102  | 31 - 149    |
| Hexane                                | ND            |                  | 50.0        | 47.69     |              | ug/L |   | 95   | 60 - 142    |
| 2-Hexanone                            | ND            |                  | 200         | 153.3     |              | ug/L |   | 77   | 65 - 140    |
| Iodomethane                           | ND            |                  | 50.0        | 50.95     |              | ug/L |   | 102  | 20 - 150    |
| Isopropylbenzene                      | ND            |                  | 50.0        | 53.48     |              | ug/L |   | 107  | 56 - 133    |
| Isopropyl ether                       | ND            |                  | 50.0        | 48.18     |              | ug/L |   | 96   | 60 - 144    |
| 4-Isopropyltoluene                    | ND            |                  | 50.0        | 52.36     |              | ug/L |   | 105  | 48 - 139    |
| Methylene Chloride                    | ND            |                  | 50.0        | 48.83     |              | ug/L |   | 98   | 60 - 146    |
| 4-Methyl-2-pentanone (MIBK)           | ND            |                  | 200         | 183.4     |              | ug/L |   | 92   | 63 - 146    |
| Methyl tert-butyl ether               | ND            |                  | 50.0        | 48.91     |              | ug/L |   | 98   | 59 - 137    |
| m-Xylene & p-Xylene                   | ND            |                  | 50.0        | 52.07     |              | ug/L |   | 104  | 57 - 130    |
| Naphthalene                           | ND            |                  | 50.0        | 50.71     |              | ug/L |   | 101  | 25 - 150    |
| n-Butylbenzene                        | ND            |                  | 50.0        | 50.85     |              | ug/L |   | 102  | 41 - 142    |
| n-Heptane                             | ND            |                  | 50.0        | 47.60     |              | ug/L |   | 95   | 64 - 142    |
| N-Propylbenzene                       | ND            |                  | 50.0        | 50.52     |              | ug/L |   | 101  | 51 - 138    |
| o-Xylene                              | ND            |                  | 50.0        | 51.69     |              | ug/L |   | 103  | 61 - 130    |
| sec-Butylbenzene                      | ND            |                  | 50.0        | 50.95     |              | ug/L |   | 102  | 50 - 138    |
| Styrene                               | ND            |                  | 50.0        | 52.63     |              | ug/L |   | 105  | 58 - 131    |
| tert-Butylbenzene                     | ND            |                  | 50.0        | 48.72     |              | ug/L |   | 97   | 54 - 146    |
| 1,1,1,2-Tetrachloroethane             | ND            |                  | 50.0        | 54.95     |              | ug/L |   | 110  | 59 - 137    |
| 1,1,2,2-Tetrachloroethane             | ND            |                  | 50.0        | 47.92     |              | ug/L |   | 96   | 66 - 135    |
| Tetrachloroethene                     | ND            |                  | 50.0        | 48.08     |              | ug/L |   | 96   | 52 - 133    |
| Toluene                               | ND            |                  | 50.0        | 51.36     |              | ug/L |   | 103  | 65 - 130    |
| trans-1,4-Dichloro-2-butene           | ND            |                  | 50.0        | 50.10     |              | ug/L |   | 100  | 43 - 147    |
| trans-1,2-Dichloroethene              | ND            |                  | 50.0        | 46.69     |              | ug/L |   | 93   | 61 - 143    |
| trans-1,3-Dichloropropene             | ND            |                  | 50.0        | 51.84     |              | ug/L |   | 104  | 53 - 133    |
| 1,2,3-Trichlorobenzene                | ND            |                  | 50.0        | 50.60     |              | ug/L |   | 101  | 43 - 145    |
| 1,2,4-Trichlorobenzene                | ND            |                  | 50.0        | 48.18     |              | ug/L |   | 96   | 39 - 148    |
| 1,1,1-Trichloroethane                 | ND            |                  | 50.0        | 48.94     |              | ug/L |   | 98   | 57 - 142    |
| 1,1,2-Trichloroethane                 | ND            |                  | 50.0        | 51.86     |              | ug/L |   | 104  | 66 - 131    |
| Trichloroethene                       | ND            |                  | 50.0        | 51.07     |              | ug/L |   | 102  | 64 - 136    |
| Trichlorofluoromethane                | ND            |                  | 50.0        | 41.52     |              | ug/L |   | 83   | 54 - 150    |
| 1,2,3-Trichloropropane                | ND            |                  | 50.0        | 50.73     |              | ug/L |   | 101  | 65 - 133    |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND            |                  | 50.0        | 48.36     |              | ug/L |   | 97   | 55 - 150    |
| 1,2,4-Trimethylbenzene                | ND            |                  | 50.0        | 51.98     |              | ug/L |   | 104  | 50 - 139    |
| 1,3,5-Trimethylbenzene                | ND            |                  | 50.0        | 50.92     |              | ug/L |   | 102  | 52 - 135    |
| Vinyl acetate                         | ND            |                  | 100         | 98.50     |              | ug/L |   | 98   | 26 - 150    |

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# QC Sample Results

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

Job ID: 752-38193-1

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

**Lab Sample ID: 752-38193-1 MS**

**Matrix: Water**

**Analysis Batch: 727858**

**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             | 44.02     |              | ug/L |   | 88   | 46 - 150    |
| Xylenes, Total               | ND               |                     | 100              | 103.8     |              | ug/L |   | 104  | 59 - 130    |
| <b>Surrogate</b>             | <b>%Recovery</b> | <b>MS Qualifier</b> | <b>MS Limits</b> |           |              |      |   |      |             |
| 4-Bromofluorobenzene         | 94               |                     | 56 - 136         |           |              |      |   |      |             |
| Dibromofluoromethane         | 100              |                     | 79 - 130         |           |              |      |   |      |             |
| 1,2-Dichloroethane-d4 (Surr) | 96               |                     | 59 - 146         |           |              |      |   |      |             |
| Toluene-d8 (Surr)            | 98               |                     | 64 - 132         |           |              |      |   |      |             |

**Lab Sample ID: 752-38193-1 MSD**

**Matrix: Water**

**Analysis Batch: 727858**

**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            |                  | 200         | 109.3      |               | ug/L |   | 55   | 43 - 150    | 4   | 30        |
| Benzene                     | ND            |                  | 50.0        | 50.87      |               | ug/L |   | 102  | 56 - 142    | 0   | 30        |
| Bromobenzene                | ND            |                  | 50.0        | 50.10      |               | ug/L |   | 100  | 59 - 136    | 2   | 30        |
| Bromoform                   | ND            |                  | 50.0        | 52.32      |               | ug/L |   | 105  | 50 - 140    | 3   | 30        |
| Bromomethane                | ND            |                  | 50.0        | 57.89      |               | ug/L |   | 116  | 10 - 150    | 7   | 50        |
| 2-Butanone (MEK)            | ND            |                  | 200         | 146.4      |               | ug/L |   | 73   | 55 - 150    | 1   | 30        |
| Carbon disulfide            | ND            |                  | 50.0        | 47.52      |               | ug/L |   | 95   | 48 - 150    | 3   | 30        |
| Carbon tetrachloride        | ND            |                  | 50.0        | 51.14      |               | ug/L |   | 102  | 55 - 145    | 1   | 30        |
| Chlorobenzene               | ND            |                  | 50.0        | 51.29      |               | ug/L |   | 103  | 64 - 130    | 0   | 30        |
| Chlorobromomethane          | ND            |                  | 50.0        | 52.15      |               | ug/L |   | 104  | 64 - 140    | 2   | 30        |
| Chlorodibromomethane        | ND            |                  | 50.0        | 53.93      |               | ug/L |   | 108  | 56 - 143    | 2   | 30        |
| Chloroethane                | ND            |                  | 50.0        | 53.19      |               | ug/L |   | 106  | 50 - 150    | 2   | 30        |
| Chloroform                  | ND            |                  | 50.0        | 50.23      |               | ug/L |   | 100  | 60 - 141    | 0   | 30        |
| Chloromethane               | ND            |                  | 50.0        | 51.97      |               | ug/L |   | 104  | 49 - 148    | 8   | 31        |
| 2-Chlorotoluene             | ND            |                  | 50.0        | 46.66      |               | ug/L |   | 93   | 53 - 134    | 4   | 30        |
| 4-Chlorotoluene             | ND            |                  | 50.0        | 48.20      |               | ug/L |   | 96   | 54 - 133    | 3   | 30        |
| cis-1,2-Dichloroethene      | ND            |                  | 50.0        | 50.11      |               | ug/L |   | 100  | 59 - 143    | 2   | 30        |
| cis-1,3-Dichloropropene     | ND            |                  | 50.0        | 52.10      |               | ug/L |   | 104  | 57 - 140    | 0   | 30        |
| 1,2-Dibromo-3-Chloropropane | ND            |                  | 50.0        | 47.73      |               | ug/L |   | 95   | 45 - 135    | 0   | 30        |
| Dibromomethane              | ND            |                  | 50.0        | 49.33      |               | ug/L |   | 99   | 63 - 138    | 2   | 30        |
| 1,2-Dichlorobenzene         | ND            |                  | 50.0        | 50.08      |               | ug/L |   | 100  | 52 - 137    | 2   | 30        |
| 1,3-Dichlorobenzene         | ND            |                  | 50.0        | 48.64      |               | ug/L |   | 97   | 54 - 135    | 5   | 30        |
| 1,4-Dichlorobenzene         | ND            |                  | 50.0        | 48.18      |               | ug/L |   | 96   | 53 - 135    | 4   | 30        |
| Dichlorobromomethane        | ND            |                  | 50.0        | 49.99      |               | ug/L |   | 100  | 59 - 143    | 0   | 30        |
| 1,1-Dichloroethane          | ND            |                  | 50.0        | 49.85      |               | ug/L |   | 100  | 61 - 144    | 1   | 30        |
| 1,2-Dichloroethane          | ND            |                  | 50.0        | 48.79      |               | ug/L |   | 98   | 60 - 141    | 1   | 30        |
| 1,1-Dichloroethene          | ND            |                  | 50.0        | 46.41      |               | ug/L |   | 93   | 54 - 147    | 3   | 30        |
| 1,2-Dichloropropane         | ND            |                  | 50.0        | 50.90      |               | ug/L |   | 102  | 66 - 137    | 0   | 30        |
| 1,3-Dichloropropane         | ND            |                  | 50.0        | 50.87      |               | ug/L |   | 102  | 66 - 133    | 1   | 30        |
| 2,2-Dichloropropane         | ND            |                  | 50.0        | 48.28      |               | ug/L |   | 97   | 42 - 144    | 2   | 31        |
| 1,1-Dichloropropene         | ND            |                  | 50.0        | 51.30      |               | ug/L |   | 103  | 65 - 136    | 0   | 30        |
| Ethyl acetate               | ND            |                  | 100         | 90.31      |               | ug/L |   | 90   | 34 - 150    | 4   | 30        |
| Ethylbenzene                | ND            |                  | 50.0        | 51.85      |               | ug/L |   | 104  | 58 - 131    | 0   | 30        |
| Ethylene Dibromide          | ND            |                  | 50.0        | 52.88      |               | ug/L |   | 106  | 64 - 132    | 0   | 30        |

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# QC Sample Results

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

Job ID: 752-38193-1

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

**Lab Sample ID: 752-38193-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 727858**

**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          | 46.93      |               | ug/L |   | 94   | 31 - 149    | 8   | 36        |
| Hexane                                | ND               |                  | 50.0          | 48.93      |               | ug/L |   | 98   | 60 - 142    | 3   | 30        |
| 2-Hexanone                            | ND               |                  | 200           | 153.8      |               | ug/L |   | 77   | 65 - 140    | 0   | 30        |
| Iodomethane                           | ND               |                  | 50.0          | 52.54      |               | ug/L |   | 105  | 20 - 150    | 3   | 44        |
| Isopropylbenzene                      | ND               |                  | 50.0          | 51.67      |               | ug/L |   | 103  | 56 - 133    | 3   | 30        |
| Isopropyl ether                       | ND               |                  | 50.0          | 49.51      |               | ug/L |   | 99   | 60 - 144    | 3   | 30        |
| 4-Isopropyltoluene                    | ND               |                  | 50.0          | 50.79      |               | ug/L |   | 102  | 48 - 139    | 3   | 30        |
| Methylene Chloride                    | ND               |                  | 50.0          | 50.66      |               | ug/L |   | 101  | 60 - 146    | 4   | 32        |
| 4-Methyl-2-pentanone (MIBK)           | ND               |                  | 200           | 184.4      |               | ug/L |   | 92   | 63 - 146    | 1   | 30        |
| Methyl tert-butyl ether               | ND               |                  | 50.0          | 49.47      |               | ug/L |   | 99   | 59 - 137    | 1   | 30        |
| m-Xylene & p-Xylene                   | ND               |                  | 50.0          | 51.28      |               | ug/L |   | 103  | 57 - 130    | 2   | 30        |
| Naphthalene                           | ND               |                  | 50.0          | 50.45      |               | ug/L |   | 101  | 25 - 150    | 1   | 30        |
| n-Butylbenzene                        | ND               |                  | 50.0          | 47.67      |               | ug/L |   | 95   | 41 - 142    | 6   | 31        |
| n-Heptane                             | ND               |                  | 50.0          | 47.81      |               | ug/L |   | 96   | 64 - 142    | 0   | 30        |
| N-Propylbenzene                       | ND               |                  | 50.0          | 50.32      |               | ug/L |   | 101  | 51 - 138    | 0   | 30        |
| o-Xylene                              | ND               |                  | 50.0          | 51.25      |               | ug/L |   | 103  | 61 - 130    | 1   | 30        |
| sec-Butylbenzene                      | ND               |                  | 50.0          | 50.52      |               | ug/L |   | 101  | 50 - 138    | 1   | 30        |
| Styrene                               | ND               |                  | 50.0          | 50.00      |               | ug/L |   | 100  | 58 - 131    | 5   | 30        |
| tert-Butylbenzene                     | ND               |                  | 50.0          | 48.48      |               | ug/L |   | 97   | 54 - 146    | 0   | 30        |
| 1,1,1,2-Tetrachloroethane             | ND               |                  | 50.0          | 54.59      |               | ug/L |   | 109  | 59 - 137    | 1   | 30        |
| 1,1,2,2-Tetrachloroethane             | ND               |                  | 50.0          | 48.07      |               | ug/L |   | 96   | 66 - 135    | 0   | 30        |
| Tetrachloroethene                     | ND               |                  | 50.0          | 49.04      |               | ug/L |   | 98   | 52 - 133    | 2   | 30        |
| Toluene                               | ND               |                  | 50.0          | 51.23      |               | ug/L |   | 102  | 65 - 130    | 0   | 30        |
| trans-1,4-Dichloro-2-butene           | ND               |                  | 50.0          | 51.05      |               | ug/L |   | 102  | 43 - 147    | 2   | 36        |
| trans-1,2-Dichloroethene              | ND               |                  | 50.0          | 47.77      |               | ug/L |   | 96   | 61 - 143    | 2   | 30        |
| trans-1,3-Dichloropropene             | ND               |                  | 50.0          | 53.11      |               | ug/L |   | 106  | 53 - 133    | 2   | 30        |
| 1,2,3-Trichlorobenzene                | ND               |                  | 50.0          | 48.50      |               | ug/L |   | 97   | 43 - 145    | 4   | 30        |
| 1,2,4-Trichlorobenzene                | ND               |                  | 50.0          | 46.21      |               | ug/L |   | 92   | 39 - 148    | 4   | 30        |
| 1,1,1-Trichloroethane                 | ND               |                  | 50.0          | 50.68      |               | ug/L |   | 101  | 57 - 142    | 4   | 30        |
| 1,1,2-Trichloroethane                 | ND               |                  | 50.0          | 52.39      |               | ug/L |   | 105  | 66 - 131    | 1   | 30        |
| Trichloroethene                       | ND               |                  | 50.0          | 51.48      |               | ug/L |   | 103  | 64 - 136    | 1   | 30        |
| Trichlorofluoromethane                | ND               |                  | 50.0          | 42.72      |               | ug/L |   | 85   | 54 - 150    | 3   | 30        |
| 1,2,3-Trichloropropane                | ND               |                  | 50.0          | 50.16      |               | ug/L |   | 100  | 65 - 133    | 1   | 30        |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND               |                  | 50.0          | 49.71      |               | ug/L |   | 99   | 55 - 150    | 3   | 30        |
| 1,2,4-Trimethylbenzene                | ND               |                  | 50.0          | 51.25      |               | ug/L |   | 102  | 50 - 139    | 1   | 30        |
| 1,3,5-Trimethylbenzene                | ND               |                  | 50.0          | 50.65      |               | ug/L |   | 101  | 52 - 135    | 1   | 30        |
| Vinyl acetate                         | ND               |                  | 100           | 102.3      |               | ug/L |   | 102  | 26 - 150    | 4   | 33        |
| Vinyl chloride                        | ND               |                  | 50.0          | 48.30      |               | ug/L |   | 97   | 46 - 150    | 9   | 30        |
| Xylenes, Total                        | ND               |                  | 100           | 102.5      |               | ug/L |   | 103  | 59 - 130    | 1   | 30        |
|                                       |                  | <b>MSD</b>       | <b>MSD</b>    |            |               |      |   |      |             |     |           |
| <b>Surrogate</b>                      | <b>%Recovery</b> | <b>Qualifier</b> | <b>Limits</b> |            |               |      |   |      |             |     |           |
| 4-Bromofluorobenzene                  | 96               |                  | 56 - 136      |            |               |      |   |      |             |     |           |
| Dibromofluoromethane                  | 98               |                  | 79 - 130      |            |               |      |   |      |             |     |           |
| 1,2-Dichloroethane-d4 (Surr)          | 94               |                  | 59 - 146      |            |               |      |   |      |             |     |           |
| Toluene-d8 (Surr)                     | 100              |                  | 64 - 132      |            |               |      |   |      |             |     |           |

# QC Sample Results

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

Job ID: 752-38193-1

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

**Lab Sample ID: MB 400-727411/1-A**  
**Matrix: Water**  
**Analysis Batch: 727527**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 727411**

| Analyte                       | MB<br>Result | MB<br>Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------------|-----------------|------|-------|------|---|----------------|----------------|---------|
| 1,1'-Biphenyl                 | ND           |                 | 10.0 | 0.420 | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| 2,4,5-Trichlorophenol         | ND           |                 | 10.0 | 0.540 | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| 2,4,6-Trichlorophenol         | ND           |                 | 10.0 | 1.09  | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| 2,4-Dichlorophenol            | ND           |                 | 10.0 | 0.570 | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| 2,4-Dimethylphenol            | ND           |                 | 10.0 | 0.240 | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| 2,4-Dinitrophenol             | ND           |                 | 30.0 | 4.68  | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| 2,4-Dinitrotoluene            | ND           |                 | 10.0 | 0.650 | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| 2,6-Dinitrotoluene            | ND           |                 | 10.0 | 0.290 | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| 2-Chloronaphthalene           | ND           |                 | 10.0 | 0.380 | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| 2-Chlorophenol                | ND           |                 | 10.0 | 0.840 | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| 2-Methylnaphthalene           | ND           |                 | 10.0 | 0.810 | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| 2-Methylphenol                | ND           |                 | 10.0 | 0.760 | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| 2-Nitroaniline                | ND           |                 | 10.0 | 1.37  | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| 2-Nitrophenol                 | ND           |                 | 10.0 | 1.17  | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| 3 & 4 Methylphenol            | ND           |                 | 20.0 | 4.60  | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| 3,3'-Dichlorobenzidine        | ND           |                 | 11.0 | 0.410 | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| 3-Nitroaniline                | ND           |                 | 10.0 | 0.950 | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND           |                 | 10.0 | 1.97  | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| 4-Bromophenyl phenyl ether    | ND           |                 | 10.0 | 0.130 | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| 4-Chloro-3-methylphenol       | ND           |                 | 10.0 | 0.730 | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| 4-Chloroaniline               | ND           |                 | 10.0 | 0.580 | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| 4-Chlorophenyl phenyl ether   | ND           |                 | 10.0 | 0.240 | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| 4-Nitroaniline                | ND           |                 | 10.0 | 3.50  | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| 4-Nitrophenol                 | ND           |                 | 10.0 | 2.74  | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| Acenaphthene                  | ND           |                 | 10.0 | 0.630 | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| Acenaphthylene                | ND           |                 | 10.0 | 0.760 | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| Acetophenone                  | ND           |                 | 10.0 | 3.20  | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| Anthracene                    | ND           |                 | 10.0 | 0.910 | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| Atrazine                      | ND           |                 | 10.0 | 1.13  | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| Benzaldehyde                  | ND           |                 | 10.0 | 0.670 | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| Benzo[a]anthracene            | ND           |                 | 10.0 | 1.00  | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| Benzo[a]pyrene                | ND           |                 | 10.0 | 1.10  | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| Benzo[b]fluoranthene          | ND           |                 | 10.0 | 1.20  | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| Benzo[g,h,i]perylene          | ND           |                 | 10.0 | 1.50  | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| Benzo[k]fluoranthene          | ND           |                 | 10.0 | 1.50  | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| bis (2-chloroisopropyl) ether | ND           |                 | 10.0 | 0.930 | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| Bis(2-chloroethoxy)methane    | ND           |                 | 10.0 | 0.340 | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| Bis(2-chloroethyl)ether       | ND           |                 | 10.0 | 0.730 | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| Bis(2-ethylhexyl) phthalate   | 10.03        |                 | 10.0 | 4.00  | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| Butyl benzyl phthalate        | ND           |                 | 10.0 | 4.00  | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| Caprolactam                   | ND           |                 | 10.0 | 2.40  | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| Carbazole                     | ND           |                 | 10.0 | 0.320 | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| Chrysene                      | ND           |                 | 10.0 | 1.20  | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| Dibenz(a,h)anthracene         | ND           |                 | 10.0 | 1.30  | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| Dibenzofuran                  | ND           |                 | 10.0 | 0.640 | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| Diethyl phthalate             | ND           |                 | 10.0 | 4.00  | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| Dimethyl phthalate            | ND           |                 | 10.0 | 4.00  | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| Di-n-butyl phthalate          | ND           |                 | 10.0 | 8.19  | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |

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# QC Sample Results

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

Job ID: 752-38193-1

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

**Lab Sample ID: MB 400-727411/1-A**  
**Matrix: Water**  
**Analysis Batch: 727527**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 727411**

| Analyte                   | MB Result | MB Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|-----------|--------------|------|-------|------|---|----------------|----------------|---------|
| Di-n-octyl phthalate      | ND        |              | 10.0 | 4.00  | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| Fluoranthene              | ND        |              | 10.0 | 0.630 | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| Fluorene                  | ND        |              | 10.0 | 0.670 | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| Hexachlorobenzene         | ND        |              | 10.0 | 0.250 | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| Hexachlorobutadiene       | ND        |              | 10.0 | 0.550 | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| Hexachlorocyclopentadiene | ND        |              | 20.0 | 0.320 | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| Hexachloroethane          | ND        |              | 10.0 | 0.530 | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| Indeno[1,2,3-cd]pyrene    | ND        |              | 10.0 | 1.10  | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| Isophorone                | ND        |              | 10.0 | 0.800 | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| Naphthalene               | ND        |              | 10.0 | 0.750 | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| Nitrobenzene              | ND        |              | 10.0 | 0.600 | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| N-Nitrosodi-n-propylamine | ND        |              | 10.0 | 0.330 | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| N-Nitrosodiphenylamine    | ND        |              | 10.0 | 0.190 | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| Pentachlorophenol         | ND        |              | 10.0 | 2.80  | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| Phenanthrene              | ND        |              | 10.0 | 0.740 | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| Phenol                    | ND        |              | 10.0 | 0.680 | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| Pyrene                    | ND        |              | 10.0 | 0.630 | ug/L |   | 10/20/25 11:32 | 10/21/25 18:41 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 90           |              | 10 - 150 | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| 2-Fluorobiphenyl (Surr)     | 80           |              | 25 - 139 | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| 2-Fluorophenol (Surr)       | 106          |              | 10 - 150 | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| Nitrobenzene-d5 (Surr)      | 92           |              | 22 - 150 | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| Phenol-d5 (Surr)            | 95           |              | 10 - 150 | 10/20/25 11:32 | 10/21/25 18:41 | 1       |
| Terphenyl-d14 (Surr)        | 96           |              | 28 - 150 | 10/20/25 11:32 | 10/21/25 18:41 | 1       |

**Lab Sample ID: LCS 400-727411/2-A**  
**Matrix: Water**  
**Analysis Batch: 727527**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 727411**

| Analyte                | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|------------------------|-------------|------------|---------------|------|---|------|-------------|
| 1,1'-Biphenyl          | 33.3        | 28.09      |               | ug/L |   | 84   | 27 - 120    |
| 2,4,5-Trichlorophenol  | 33.3        | 33.92      |               | ug/L |   | 102  | 27 - 136    |
| 2,4,6-Trichlorophenol  | 33.3        | 32.51      |               | ug/L |   | 98   | 21 - 132    |
| 2,4-Dichlorophenol     | 33.3        | 38.81      |               | ug/L |   | 116  | 30 - 125    |
| 2,4-Dimethylphenol     | 33.3        | 36.08      |               | ug/L |   | 108  | 10 - 142    |
| 2,4-Dinitrophenol      | 66.7        | 64.57      |               | ug/L |   | 97   | 10 - 150    |
| 2,4-Dinitrotoluene     | 33.3        | 38.78      |               | ug/L |   | 116  | 30 - 129    |
| 2,6-Dinitrotoluene     | 33.3        | 40.43      |               | ug/L |   | 121  | 34 - 132    |
| 2-Chloronaphthalene    | 33.3        | 43.80      |               | ug/L |   | 131  | 10 - 150    |
| 2-Chlorophenol         | 33.3        | 40.19      |               | ug/L |   | 121  | 28 - 127    |
| 2-Methylnaphthalene    | 33.3        | 30.10      |               | ug/L |   | 90   | 24 - 150    |
| 2-Methylphenol         | 33.3        | 38.14      |               | ug/L |   | 114  | 11 - 121    |
| 2-Nitroaniline         | 33.3        | 39.09      |               | ug/L |   | 117  | 31 - 141    |
| 2-Nitrophenol          | 33.3        | 40.65      |               | ug/L |   | 122  | 31 - 142    |
| 3 & 4 Methylphenol     | 33.3        | 38.52      |               | ug/L |   | 116  | 10 - 150    |
| 3,3'-Dichlorobenzidine | 66.7        | 60.69      |               | ug/L |   | 91   | 10 - 150    |
| 3-Nitroaniline         | 33.3        | 36.77      |               | ug/L |   | 110  | 33 - 136    |

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# QC Sample Results

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

Job ID: 752-38193-1

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

**Lab Sample ID: LCS 400-727411/2-A**  
**Matrix: Water**  
**Analysis Batch: 727527**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 727411**

| Analyte                       | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-------------------------------|-------------|------------|---------------|------|---|------|-------------|
|                               |             |            |               |      |   |      |             |
| 4,6-Dinitro-2-methylphenol    | 66.7        | 75.33      |               | ug/L |   | 113  | 10 - 150    |
| 4-Bromophenyl phenyl ether    | 33.3        | 35.62      |               | ug/L |   | 107  | 24 - 120    |
| 4-Chloro-3-methylphenol       | 33.3        | 45.00      |               | ug/L |   | 135  | 10 - 137    |
| 4-Chloroaniline               | 33.3        | 43.61      |               | ug/L |   | 131  | 10 - 150    |
| 4-Chlorophenyl phenyl ether   | 33.3        | 29.20      |               | ug/L |   | 88   | 31 - 110    |
| 4-Nitroaniline                | 33.3        | 34.62      |               | ug/L |   | 104  | 37 - 139    |
| 4-Nitrophenol                 | 66.7        | 87.65      |               | ug/L |   | 131  | 10 - 150    |
| Acenaphthene                  | 33.3        | 30.06      |               | ug/L |   | 90   | 29 - 150    |
| Acenaphthylene                | 33.3        | 30.53      |               | ug/L |   | 92   | 30 - 150    |
| Acetophenone                  | 33.3        | 30.54      |               | ug/L |   | 92   | 27 - 119    |
| Anthracene                    | 33.3        | 35.43      |               | ug/L |   | 106  | 31 - 150    |
| Atrazine                      | 33.3        | 33.30      |               | ug/L |   | 100  | 10 - 150    |
| Benzaldehyde                  | 33.3        | 26.18      |               | ug/L |   | 79   | 10 - 150    |
| Benzo[a]anthracene            | 33.3        | 34.90      |               | ug/L |   | 105  | 36 - 150    |
| Benzo[a]pyrene                | 33.3        | 34.59      |               | ug/L |   | 104  | 29 - 150    |
| Benzo[b]fluoranthene          | 33.3        | 36.48      |               | ug/L |   | 109  | 32 - 150    |
| Benzo[g,h,i]perylene          | 33.3        | 33.83      |               | ug/L |   | 102  | 28 - 150    |
| Benzo[k]fluoranthene          | 33.3        | 33.05      |               | ug/L |   | 99   | 30 - 150    |
| bis (2-chloroisopropyl) ether | 33.3        | 33.75      |               | ug/L |   | 101  | 32 - 115    |
| Bis(2-chloroethoxy)methane    | 33.3        | 39.36      |               | ug/L |   | 118  | 34 - 120    |
| Bis(2-chloroethyl)ether       | 33.3        | 32.40      |               | ug/L |   | 97   | 32 - 114    |
| Bis(2-ethylhexyl) phthalate   | 33.3        | 43.84      |               | ug/L |   | 132  | 24 - 133    |
| Butyl benzyl phthalate        | 33.3        | 32.75      |               | ug/L |   | 98   | 24 - 140    |
| Caprolactam                   | 33.3        | 70.47      | E *+          | ug/L |   | 211  | 10 - 150    |
| Carbazole                     | 33.3        | 38.59      |               | ug/L |   | 116  | 28 - 123    |
| Chrysene                      | 33.3        | 33.37      |               | ug/L |   | 100  | 34 - 150    |
| Dibenz(a,h)anthracene         | 33.3        | 32.76      |               | ug/L |   | 98   | 29 - 150    |
| Dibenzofuran                  | 33.3        | 30.86      |               | ug/L |   | 93   | 35 - 110    |
| Diethyl phthalate             | 33.3        | 29.99      |               | ug/L |   | 90   | 31 - 118    |
| Dimethyl phthalate            | 33.3        | 28.86      |               | ug/L |   | 87   | 24 - 125    |
| Di-n-butyl phthalate          | 33.3        | 36.38      |               | ug/L |   | 109  | 30 - 127    |
| Di-n-octyl phthalate          | 33.3        | 36.21      |               | ug/L |   | 109  | 28 - 142    |
| Fluoranthene                  | 33.3        | 35.56      |               | ug/L |   | 107  | 30 - 150    |
| Fluorene                      | 33.3        | 31.97      |               | ug/L |   | 96   | 30 - 150    |
| Hexachlorobenzene             | 33.3        | 34.25      |               | ug/L |   | 103  | 29 - 113    |
| Hexachlorobutadiene           | 33.3        | 21.51      |               | ug/L |   | 65   | 10 - 117    |
| Hexachlorocyclopentadiene     | 33.3        | 16.59      | J             | ug/L |   | 50   | 10 - 150    |
| Hexachloroethane              | 33.3        | 21.80      |               | ug/L |   | 65   | 10 - 112    |
| Indeno[1,2,3-cd]pyrene        | 33.3        | 31.01      |               | ug/L |   | 93   | 28 - 150    |
| Isophorone                    | 33.3        | 33.36      |               | ug/L |   | 100  | 29 - 125    |
| Naphthalene                   | 33.3        | 31.06      |               | ug/L |   | 93   | 27 - 150    |
| Nitrobenzene                  | 33.3        | 32.49      |               | ug/L |   | 97   | 29 - 129    |
| N-Nitrosodi-n-propylamine     | 33.3        | 38.40      |               | ug/L |   | 115  | 50 - 134    |
| N-Nitrosodiphenylamine        | 33.1        | 35.45      |               | ug/L |   | 107  | 50 - 132    |
| Pentachlorophenol             | 66.7        | 55.53      |               | ug/L |   | 83   | 14 - 150    |
| Phenanthrene                  | 33.3        | 34.15      |               | ug/L |   | 102  | 32 - 150    |
| Phenol                        | 33.3        | 46.89      |               | ug/L |   | 141  | 10 - 150    |
| Pyrene                        | 33.3        | 38.52      |               | ug/L |   | 116  | 30 - 150    |

# QC Sample Results

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

Job ID: 752-38193-1

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

**Lab Sample ID: LCS 400-727411/2-A**  
**Matrix: Water**  
**Analysis Batch: 727527**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 727411**

| Surrogate                   | LCS LCS   |           | Limits   |
|-----------------------------|-----------|-----------|----------|
|                             | %Recovery | Qualifier |          |
| 2,4,6-Tribromophenol (Surr) | 91        |           | 10 - 150 |
| 2-Fluorobiphenyl (Surr)     | 73        |           | 25 - 139 |
| 2-Fluorophenol (Surr)       | 102       |           | 10 - 150 |
| Nitrobenzene-d5 (Surr)      | 79        |           | 22 - 150 |
| Phenol-d5 (Surr)            | 101       |           | 10 - 150 |
| Terphenyl-d14 (Surr)        | 84        |           | 28 - 150 |

**Lab Sample ID: LCSD 400-727411/3-A**  
**Matrix: Water**  
**Analysis Batch: 727527**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 727411**

| Analyte                       | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec     |     | RPD | RPD Limit |
|-------------------------------|-------------|-------------|----------------|------|---|------|----------|-----|-----|-----------|
|                               |             |             |                |      |   |      | Limits   | RPD |     |           |
| 1,1'-Biphenyl                 | 33.3        | 27.10       |                | ug/L |   | 81   | 27 - 120 | 4   | 40  |           |
| 2,4,5-Trichlorophenol         | 33.3        | 31.27       |                | ug/L |   | 94   | 27 - 136 | 8   | 40  |           |
| 2,4,6-Trichlorophenol         | 33.3        | 28.92       |                | ug/L |   | 87   | 21 - 132 | 12  | 40  |           |
| 2,4-Dichlorophenol            | 33.3        | 35.68       |                | ug/L |   | 107  | 30 - 125 | 8   | 40  |           |
| 2,4-Dimethylphenol            | 33.3        | 31.93       |                | ug/L |   | 96   | 10 - 142 | 12  | 40  |           |
| 2,4-Dinitrophenol             | 66.7        | 55.72       |                | ug/L |   | 84   | 10 - 150 | 15  | 40  |           |
| 2,4-Dinitrotoluene            | 33.3        | 37.51       |                | ug/L |   | 113  | 30 - 129 | 3   | 40  |           |
| 2,6-Dinitrotoluene            | 33.3        | 39.80       |                | ug/L |   | 119  | 34 - 132 | 2   | 40  |           |
| 2-Chloronaphthalene           | 33.3        | 42.65       |                | ug/L |   | 128  | 10 - 150 | 3   | 40  |           |
| 2-Chlorophenol                | 33.3        | 35.09       |                | ug/L |   | 105  | 28 - 127 | 14  | 40  |           |
| 2-Methylnaphthalene           | 33.3        | 28.89       |                | ug/L |   | 87   | 24 - 150 | 4   | 40  |           |
| 2-Methylphenol                | 33.3        | 33.59       |                | ug/L |   | 101  | 11 - 121 | 13  | 40  |           |
| 2-Nitroaniline                | 33.3        | 37.97       |                | ug/L |   | 114  | 31 - 141 | 3   | 40  |           |
| 2-Nitrophenol                 | 33.3        | 36.94       |                | ug/L |   | 111  | 31 - 142 | 10  | 40  |           |
| 3 & 4 Methylphenol            | 33.3        | 33.30       |                | ug/L |   | 100  | 10 - 150 | 15  | 40  |           |
| 3,3'-Dichlorobenzidine        | 66.7        | 67.93       | E              | ug/L |   | 102  | 10 - 150 | 11  | 40  |           |
| 3-Nitroaniline                | 33.3        | 38.34       |                | ug/L |   | 115  | 33 - 136 | 4   | 40  |           |
| 4,6-Dinitro-2-methylphenol    | 66.7        | 68.80       |                | ug/L |   | 103  | 10 - 150 | 9   | 40  |           |
| 4-Bromophenyl phenyl ether    | 33.3        | 34.99       |                | ug/L |   | 105  | 24 - 120 | 2   | 40  |           |
| 4-Chloro-3-methylphenol       | 33.3        | 38.21       |                | ug/L |   | 115  | 10 - 137 | 16  | 40  |           |
| 4-Chloroaniline               | 33.3        | 46.70       |                | ug/L |   | 140  | 10 - 150 | 7   | 40  |           |
| 4-Chlorophenyl phenyl ether   | 33.3        | 27.95       |                | ug/L |   | 84   | 31 - 110 | 4   | 40  |           |
| 4-Nitroaniline                | 33.3        | 35.14       |                | ug/L |   | 105  | 37 - 139 | 1   | 40  |           |
| 4-Nitrophenol                 | 66.7        | 79.30       |                | ug/L |   | 119  | 10 - 150 | 10  | 40  |           |
| Acenaphthene                  | 33.3        | 28.80       |                | ug/L |   | 86   | 29 - 150 | 4   | 40  |           |
| Acenaphthylene                | 33.3        | 29.76       |                | ug/L |   | 89   | 30 - 150 | 3   | 40  |           |
| Acetophenone                  | 33.3        | 29.98       |                | ug/L |   | 90   | 27 - 119 | 2   | 40  |           |
| Anthracene                    | 33.3        | 35.05       |                | ug/L |   | 105  | 31 - 150 | 1   | 40  |           |
| Atrazine                      | 33.3        | 34.32       |                | ug/L |   | 103  | 10 - 150 | 3   | 40  |           |
| Benzaldehyde                  | 33.3        | 26.45       |                | ug/L |   | 79   | 10 - 150 | 1   | 40  |           |
| Benzo[a]anthracene            | 33.3        | 35.36       |                | ug/L |   | 106  | 36 - 150 | 1   | 40  |           |
| Benzo[a]pyrene                | 33.3        | 34.28       |                | ug/L |   | 103  | 29 - 150 | 1   | 40  |           |
| Benzo[b]fluoranthene          | 33.3        | 35.69       |                | ug/L |   | 107  | 32 - 150 | 2   | 40  |           |
| Benzo[g,h,i]perylene          | 33.3        | 33.92       |                | ug/L |   | 102  | 28 - 150 | 0   | 40  |           |
| Benzo[k]fluoranthene          | 33.3        | 33.42       |                | ug/L |   | 100  | 30 - 150 | 1   | 40  |           |
| bis (2-chloroisopropyl) ether | 33.3        | 32.92       |                | ug/L |   | 99   | 32 - 115 | 2   | 40  |           |

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# QC Sample Results

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

Job ID: 752-38193-1

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

Lab Sample ID: LCSD 400-727411/3-A  
Matrix: Water  
Analysis Batch: 727527

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 727411

| Analyte                     | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec     |     | RPD | RPD Limit |
|-----------------------------|-------------|-------------|----------------|------|---|------|----------|-----|-----|-----------|
|                             |             |             |                |      |   |      | Limits   | RPD |     |           |
| Bis(2-chloroethoxy)methane  | 33.3        | 39.35       | I              | ug/L |   | 118  | 34 - 120 | 0   | 40  |           |
| Bis(2-chloroethyl)ether     | 33.3        | 31.76       | I              | ug/L |   | 95   | 32 - 114 | 2   | 40  |           |
| Bis(2-ethylhexyl) phthalate | 33.3        | 44.12       |                | ug/L |   | 132  | 24 - 133 | 1   | 40  |           |
| Butyl benzyl phthalate      | 33.3        | 32.55       |                | ug/L |   | 98   | 24 - 140 | 1   | 40  |           |
| Caprolactam                 | 33.3        | 60.57       | *+             | ug/L |   | 182  | 10 - 150 | 15  | 40  |           |
| Carbazole                   | 33.3        | 38.14       |                | ug/L |   | 114  | 28 - 123 | 1   | 40  |           |
| Chrysene                    | 33.3        | 34.49       |                | ug/L |   | 103  | 34 - 150 | 3   | 40  |           |
| Dibenz(a,h)anthracene       | 33.3        | 32.68       |                | ug/L |   | 98   | 29 - 150 | 0   | 40  |           |
| Dibenzofuran                | 33.3        | 29.74       |                | ug/L |   | 89   | 35 - 110 | 4   | 40  |           |
| Diethyl phthalate           | 33.3        | 28.53       |                | ug/L |   | 86   | 31 - 118 | 5   | 40  |           |
| Dimethyl phthalate          | 33.3        | 26.47       |                | ug/L |   | 79   | 24 - 125 | 9   | 40  |           |
| Di-n-butyl phthalate        | 33.3        | 35.19       |                | ug/L |   | 106  | 30 - 127 | 3   | 40  |           |
| Di-n-octyl phthalate        | 33.3        | 36.47       |                | ug/L |   | 109  | 28 - 142 | 1   | 40  |           |
| Fluoranthene                | 33.3        | 34.96       |                | ug/L |   | 105  | 30 - 150 | 2   | 40  |           |
| Fluorene                    | 33.3        | 30.93       |                | ug/L |   | 93   | 30 - 150 | 3   | 40  |           |
| Hexachlorobenzene           | 33.3        | 33.93       |                | ug/L |   | 102  | 29 - 113 | 1   | 40  |           |
| Hexachlorobutadiene         | 33.3        | 20.42       |                | ug/L |   | 61   | 10 - 117 | 5   | 40  |           |
| Hexachlorocyclopentadiene   | 33.3        | 16.54       | J              | ug/L |   | 50   | 10 - 150 | 0   | 40  |           |
| Hexachloroethane            | 33.3        | 20.38       |                | ug/L |   | 61   | 10 - 112 | 7   | 40  |           |
| Indeno[1,2,3-cd]pyrene      | 33.3        | 31.03       |                | ug/L |   | 93   | 28 - 150 | 0   | 40  |           |
| Isophorone                  | 33.3        | 32.94       |                | ug/L |   | 99   | 29 - 125 | 1   | 40  |           |
| Naphthalene                 | 33.3        | 30.52       |                | ug/L |   | 92   | 27 - 150 | 2   | 40  |           |
| Nitrobenzene                | 33.3        | 32.88       |                | ug/L |   | 99   | 29 - 129 | 1   | 40  |           |
| N-Nitrosodi-n-propylamine   | 33.3        | 36.55       |                | ug/L |   | 110  | 50 - 134 | 5   | 40  |           |
| N-Nitrosodiphenylamine      | 33.1        | 34.35       |                | ug/L |   | 104  | 50 - 132 | 3   | 40  |           |
| Pentachlorophenol           | 66.7        | 50.08       |                | ug/L |   | 75   | 14 - 150 | 10  | 40  |           |
| Phenanthrene                | 33.3        | 33.81       |                | ug/L |   | 101  | 32 - 150 | 1   | 40  |           |
| Phenol                      | 33.3        | 38.18       |                | ug/L |   | 115  | 10 - 150 | 20  | 40  |           |
| Pyrene                      | 33.3        | 37.67       |                | ug/L |   | 113  | 30 - 150 | 2   | 40  |           |

| Surrogate                   | LCSD      |           | Limits   |
|-----------------------------|-----------|-----------|----------|
|                             | %Recovery | Qualifier |          |
| 2,4,6-Tribromophenol (Surr) | 93        |           | 10 - 150 |
| 2-Fluorobiphenyl (Surr)     | 55        |           | 25 - 139 |
| 2-Fluorophenol (Surr)       | 93        |           | 10 - 150 |
| Nitrobenzene-d5 (Surr)      | 59        |           | 22 - 150 |
| Phenol-d5 (Surr)            | 90        |           | 10 - 150 |
| Terphenyl-d14 (Surr)        | 66        |           | 28 - 150 |

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

Lab Sample ID: MB 400-727264/1-A  
Matrix: Water  
Analysis Batch: 727576

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 727264

| Analyte     | MB MB  |           | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
|             | Result | Qualifier |       |       |      |   |                |                |         |
| 1,4-Dioxane | ND     |           | 0.300 | 0.300 | ug/L |   | 10/17/25 16:54 | 10/21/25 14:27 | 1       |

| Isotope Dilution | MB MB     |           | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
|                  | %Recovery | Qualifier |          |                |                |         |
| 1,4-Dioxane-d8   | 15        |           | 10 - 140 | 10/17/25 16:54 | 10/21/25 14:27 | 1       |

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# QC Sample Results

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

Job ID: 752-38193-1

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

**Lab Sample ID: LCS 400-727264/2-A**  
**Matrix: Water**  
**Analysis Batch: 727576**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 727264**

| Analyte                 | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-------------------------|-------------|------------|---------------|------|---|------|-------------|
| 1,4-Dioxane             | 16.0        | 18.09      |               | ug/L |   | 113  | 30 - 150    |
| <b>Isotope Dilution</b> |             |            |               |      |   |      |             |
|                         | %Recovery   | Qualifier  | Limits        |      |   |      |             |
| 1,4-Dioxane-d8          | 25          |            | 10 - 140      |      |   |      |             |

**Lab Sample ID: LCSD 400-727264/3-A**  
**Matrix: Water**  
**Analysis Batch: 727576**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 727264**

| Analyte                 | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| 1,4-Dioxane             | 16.0        | 18.59       |                | ug/L |   | 116  | 30 - 150    | 3   | 40        |
| <b>Isotope Dilution</b> |             |             |                |      |   |      |             |     |           |
|                         | %Recovery   | Qualifier   | Limits         |      |   |      |             |     |           |
| 1,4-Dioxane-d8          | 27          |             | 10 - 140       |      |   |      |             |     |           |

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

**Lab Sample ID: MB 705-89993/1-A**  
**Matrix: Water**  
**Analysis Batch: 91217**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 89993**

| Analyte   | MB Result | MB Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|-----------|--------------|-------|-------|------|---|----------------|----------------|---------|
| Antimony  | ND        |              | 5.00  | 2.45  | ug/L |   | 10/22/25 08:27 | 10/28/25 06:21 | 1       |
| Arsenic   | ND        |              | 5.00  | 1.32  | ug/L |   | 10/22/25 08:27 | 10/28/25 06:21 | 1       |
| Barium    | ND        |              | 10.0  | 0.410 | ug/L |   | 10/22/25 08:27 | 10/28/25 06:21 | 1       |
| Beryllium | ND        |              | 1.00  | 0.147 | ug/L |   | 10/22/25 08:27 | 10/28/25 06:21 | 1       |
| Cadmium   | ND        |              | 0.700 | 0.237 | ug/L |   | 10/22/25 08:27 | 10/28/25 06:21 | 1       |
| Chromium  | ND        |              | 5.00  | 3.69  | ug/L |   | 10/22/25 08:27 | 10/28/25 06:21 | 1       |
| Cobalt    | ND        |              | 5.00  | 0.411 | ug/L |   | 10/22/25 08:27 | 10/28/25 06:21 | 1       |
| Copper    | ND        |              | 2.00  | 0.642 | ug/L |   | 10/22/25 08:27 | 10/28/25 06:21 | 1       |
| Lead      | ND        |              | 1.00  | 0.864 | ug/L |   | 10/22/25 08:27 | 10/28/25 06:21 | 1       |
| Manganese | ND        |              | 5.00  | 1.29  | ug/L |   | 10/22/25 08:27 | 10/28/25 06:21 | 1       |
| Nickel    | ND        |              | 5.00  | 0.422 | ug/L |   | 10/22/25 08:27 | 10/28/25 06:21 | 1       |
| Selenium  | ND        |              | 5.00  | 2.29  | ug/L |   | 10/22/25 08:27 | 10/28/25 06:21 | 1       |
| Silver    | ND        |              | 1.00  | 0.167 | ug/L |   | 10/22/25 08:27 | 10/28/25 06:21 | 1       |
| Thallium  | ND        |              | 1.00  | 0.190 | ug/L |   | 10/22/25 08:27 | 10/28/25 06:21 | 1       |
| Vanadium  | ND        |              | 5.00  | 1.22  | ug/L |   | 10/22/25 08:27 | 10/28/25 06:21 | 1       |
| Zinc      | ND        |              | 10.0  | 8.91  | ug/L |   | 10/22/25 08:27 | 10/28/25 06:21 | 1       |

**Lab Sample ID: LCS 705-89993/2-A**  
**Matrix: Water**  
**Analysis Batch: 91217**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 89993**

| Analyte   | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------|-------------|------------|---------------|------|---|------|-------------|
| Antimony  | 100         | 93.48      |               | ug/L |   | 93   | 80 - 120    |
| Arsenic   | 100         | 104.2      |               | ug/L |   | 104  | 80 - 120    |
| Barium    | 100         | 89.76      |               | ug/L |   | 90   | 80 - 120    |
| Beryllium | 100         | 104.5      |               | ug/L |   | 104  | 80 - 120    |
| Cadmium   | 100         | 96.24      |               | ug/L |   | 96   | 80 - 120    |

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# QC Sample Results

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

Job ID: 752-38193-1

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

Lab Sample ID: LCS 705-89993/2-A  
Matrix: Water  
Analysis Batch: 91217

Client Sample ID: Lab Control Sample  
Prep Type: Total Recoverable  
Prep Batch: 89993

| Analyte   | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------|-------------|------------|---------------|------|---|------|-------------|
| Chromium  | 100         | 97.98      |               | ug/L |   | 98   | 80 - 120    |
| Cobalt    | 100         | 102.4      |               | ug/L |   | 102  | 80 - 120    |
| Copper    | 100         | 104.9      |               | ug/L |   | 105  | 80 - 120    |
| Lead      | 100         | 100.4      |               | ug/L |   | 100  | 80 - 120    |
| Manganese | 100         | 99.49      |               | ug/L |   | 99   | 80 - 120    |
| Nickel    | 100         | 103.0      |               | ug/L |   | 103  | 80 - 120    |
| Selenium  | 100         | 113.2      |               | ug/L |   | 113  | 80 - 120    |
| Silver    | 10.0        | 10.14      |               | ug/L |   | 101  | 80 - 120    |
| Thallium  | 100         | 100.3      |               | ug/L |   | 100  | 80 - 120    |
| Vanadium  | 100         | 96.25      |               | ug/L |   | 96   | 80 - 120    |
| Zinc      | 100         | 106.8      |               | ug/L |   | 107  | 80 - 120    |

## Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 705-90610/1-A  
Matrix: Water  
Analysis Batch: 90926

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 90610

| Analyte | MB Result | MB Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|-----------|--------------|-------|-------|------|---|----------------|----------------|---------|
| Mercury | ND        |              | 0.200 | 0.166 | ug/L |   | 10/24/25 12:28 | 10/24/25 17:50 | 1       |

Lab Sample ID: LCS 705-90610/2-A  
Matrix: Water  
Analysis Batch: 90926

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 90610

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|-------------|------------|---------------|------|---|------|-------------|
| Mercury | 4.00        | 3.917      |               | ug/L |   | 98   | 80 - 120    |

Lab Sample ID: 752-38193-1 MS  
Matrix: Water  
Analysis Batch: 90926

Client Sample ID: SW-1  
Prep Type: Total/NA  
Prep Batch: 90610

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Mercury | ND            | F2               | 4.00        | 3.944     |              | ug/L |   | 99   | 75 - 125    |

Lab Sample ID: 752-38193-1 MSD  
Matrix: Water  
Analysis Batch: 90926

Client Sample ID: SW-1  
Prep Type: Total/NA  
Prep Batch: 90610

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Mercury | ND            | F2               | 4.00        | 4.967      | F2            | ug/L |   | 124  | 75 - 125    | 23  | 20        |

## Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 400-728191/24  
Matrix: Water  
Analysis Batch: 728191

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

| Analyte        | MB Result | MB Qualifier | RL     | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------|-----------|--------------|--------|--------|------|---|----------|----------------|---------|
| Ammonia (as N) | ND        |              | 0.0500 | 0.0460 | mg/L |   |          | 10/25/25 11:19 | 1       |

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# QC Sample Results

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

Job ID: 752-38193-1

## Method: 350.1 - Nitrogen, Ammonia (Continued)

**Lab Sample ID:** LCS 400-728191/25  
**Matrix:** Water  
**Analysis Batch:** 728191

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

| Analyte        | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------------|-------------|------------|---------------|------|---|------|-------------|
| Ammonia (as N) | 2.99        | 3.052      |               | mg/L |   | 102  | 90 - 110    |

**Lab Sample ID:** MRL 400-728191/19  
**Matrix:** Water  
**Analysis Batch:** 728191

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

| Analyte        | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|----------------|-------------|------------|---------------|------|---|------|-------------|
| Ammonia (as N) | 0.0498      | 0.05600    |               | mg/L |   | 112  | 50 - 150    |

**Lab Sample ID:** MB 400-728382/24  
**Matrix:** Water  
**Analysis Batch:** 728382

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

| Analyte        | MB Result | MB Qualifier | RL     | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------|-----------|--------------|--------|--------|------|---|----------|----------------|---------|
| Ammonia (as N) | ND        |              | 0.0500 | 0.0460 | mg/L |   |          | 10/27/25 11:40 | 1       |

**Lab Sample ID:** LCS 400-728382/25  
**Matrix:** Water  
**Analysis Batch:** 728382

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

| Analyte        | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------------|-------------|------------|---------------|------|---|------|-------------|
| Ammonia (as N) | 2.99        | 3.018      |               | mg/L |   | 101  | 90 - 110    |

**Lab Sample ID:** MRL 400-728382/19  
**Matrix:** Water  
**Analysis Batch:** 728382

**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      | 0.05200    |               | mg/L |   | 104  | 50 - 150    |

## Method: 353.2 - Nitrogen, Nitrite

**Lab Sample ID:** MB 752-13860/53  
**Matrix:** Water  
**Analysis Batch:** 13860

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

| Analyte      | MB Result | MB Qualifier | RL    | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|--------------|-----------|--------------|-------|--------|------|---|----------|----------------|---------|
| Nitrite as N | ND        |              | 0.100 | 0.0168 | mg/L |   |          | 10/16/25 17:03 | 1       |

**Lab Sample ID:** LCS 752-13860/46  
**Matrix:** Water  
**Analysis Batch:** 13860

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

| Analyte      | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|--------------|-------------|------------|---------------|------|---|------|-------------|
| Nitrite as N | 1.00        | 0.9444     |               | mg/L |   | 94   | 90 - 110    |

# QC Sample Results

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

Job ID: 752-38193-1

## Method: 353.2 - Nitrogen, Nitrite (Continued)

**Lab Sample ID: LCSD 752-13860/69**  
**Matrix: Water**  
**Analysis Batch: 13860**

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

| Analyte      | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Nitrite as N | 1.00        | 0.9262      |                | mg/L |   | 93   | 90 - 110    | 2   | 10        |

**Lab Sample ID: 752-38193-1 MS**  
**Matrix: Water**  
**Analysis Batch: 13860**

**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 | ND            | F1               | 1.00        | 0.8685    | F1           | mg/L |   | 87   | 90 - 110    |

**Lab Sample ID: 752-38193-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 13860**

**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 | ND            | F1               | 1.00        | 0.9235     |               | mg/L |   | 92   | 90 - 110    | 6   | 10        |

**Lab Sample ID: 752-38193-2 DU**  
**Matrix: Water**  
**Analysis Batch: 13860**

**Client Sample ID: SW-2**  
**Prep Type: Total/NA**

| Analyte      | Sample Result | Sample Qualifier | Spike Added | DU Result | DU Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|-----|-----------|
| Nitrite as N | 0.0328        | J                |             | ND        |              | mg/L |   |      |             | NC  | 10        |

## Method: SM 4500 NO3 F - Nitrogen, Nitrate-Nitrite

**Lab Sample ID: MB 400-727459/40**  
**Matrix: Water**  
**Analysis Batch: 727459**

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

| Analyte              | MB Result | MB Qualifier | RL     | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|-----------|--------------|--------|--------|------|---|----------|----------------|---------|
| Nitrate Nitrite as N | ND        |              | 0.0500 | 0.0180 | mg/L |   |          | 10/20/25 12:59 | 1       |

**Lab Sample ID: MB 400-727459/71**  
**Matrix: Water**  
**Analysis Batch: 727459**

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

| Analyte              | MB Result | MB Qualifier | RL     | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|-----------|--------------|--------|--------|------|---|----------|----------------|---------|
| Nitrate Nitrite as N | ND        |              | 0.0500 | 0.0180 | mg/L |   |          | 10/20/25 13:53 | 1       |

**Lab Sample ID: LCS 400-727459/41**  
**Matrix: Water**  
**Analysis Batch: 727459**

**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 | 1.05        | 1.080      |               | mg/L |   | 103  | 90 - 110    |

# QC Sample Results

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

Job ID: 752-38193-1

## Method: SM 4500 NO3 F - Nitrogen, Nitrate-Nitrite (Continued)

**Lab Sample ID:** LCS 400-727459/72  
**Matrix:** Water  
**Analysis Batch:** 727459

**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        | 1.036      |               | mg/L |   | 103  | 90 - 110    |

**Lab Sample ID:** MB 400-727623/48  
**Matrix:** Water  
**Analysis Batch:** 727623

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

| Analyte              | MB Result | MB Qualifier | RL     | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|-----------|--------------|--------|--------|------|---|----------|----------------|---------|
| Nitrate Nitrite as N | ND        |              | 0.0500 | 0.0180 | mg/L |   |          | 10/21/25 17:31 | 1       |

**Lab Sample ID:** LCS 400-727623/49  
**Matrix:** Water  
**Analysis Batch:** 727623

**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        | 1.065      |               | mg/L |   | 106  | 90 - 110    |

**Lab Sample ID:** MRL 400-727623/50  
**Matrix:** Water  
**Analysis Batch:** 727623

**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      | 0.05100    |               | mg/L |   | 102  | 50 - 150    |

## Method: SM 4500 SO4 E - Sulfate, Total

**Lab Sample ID:** MB 400-727465/19  
**Matrix:** Water  
**Analysis Batch:** 727465

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

| Analyte | MB Result | MB Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------|-----------|--------------|------|------|------|---|----------|----------------|---------|
| Sulfate | ND        |              | 5.00 | 1.40 | mg/L |   |          | 10/20/25 15:41 | 1       |

**Lab Sample ID:** LCS 400-727465/20  
**Matrix:** Water  
**Analysis Batch:** 727465

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|-------------|------------|---------------|------|---|------|-------------|
| Sulfate | 15.0        | 15.65      |               | mg/L |   | 104  | 90 - 110    |

**Lab Sample ID:** MRL 400-727465/21  
**Matrix:** Water  
**Analysis Batch:** 727465

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

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|-------------|------------|---------------|------|---|------|-------------|
| Sulfate | 5.00        | 3.976      | J             | mg/L |   | 80   | 50 - 150    |

# QC Sample Results

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

Job ID: 752-38193-1

## Method: SM 4500 SO4 E - Sulfate, Total (Continued)

**Lab Sample ID: 752-38193-1 MS**  
**Matrix: Water**  
**Analysis Batch: 727465**

**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 |
|---------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Sulfate | 29.0          |                  | 10.0        | 40.54     |              | mg/L |   | 115  | 77 - 128    |

**Lab Sample ID: 752-38193-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 727465**

**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 |
|---------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Sulfate | 29.0          |                  | 10.0        | 41.52      |               | mg/L |   | 125  | 77 - 128    | 2   | 5         |

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# QC Association Summary

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

Job ID: 752-38193-1

## GC/MS VOA

### Analysis Batch: 727858

| Lab Sample ID       | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|---------------------|--------------------|-----------|--------|--------|------------|
| 752-38193-1         | SW-1               | Total/NA  | Water  | 8260D  |            |
| 752-38193-2         | SW-2               | Total/NA  | Water  | 8260D  |            |
| 752-38193-3         | SW-3               | Total/NA  | Water  | 8260D  |            |
| 752-38193-4         | SW-4               | Total/NA  | Water  | 8260D  |            |
| 752-38193-5         | SW-5               | Total/NA  | Water  | 8260D  |            |
| 752-38193-6         | SW-6               | Total/NA  | Water  | 8260D  |            |
| 752-38193-7         | SW-7               | Total/NA  | Water  | 8260D  |            |
| 752-38193-8         | 101625-Dup-SW      | Total/NA  | Water  | 8260D  |            |
| 752-38193-9         | Trip Blank         | Total/NA  | Water  | 8260D  |            |
| MB 400-727858/5     | Method Blank       | Total/NA  | Water  | 8260D  |            |
| LCS 400-727858/1003 | Lab Control Sample | Total/NA  | Water  | 8260D  |            |
| 752-38193-1 MS      | SW-1               | Total/NA  | Water  | 8260D  |            |
| 752-38193-1 MSD     | SW-1               | Total/NA  | Water  | 8260D  |            |

## GC/MS Semi VOA

### Prep Batch: 727264

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 752-38193-1         | SW-1                   | Total/NA  | Water  | 3510C  |            |
| 752-38193-2         | SW-2                   | Total/NA  | Water  | 3510C  |            |
| 752-38193-3         | SW-3                   | Total/NA  | Water  | 3510C  |            |
| 752-38193-4         | SW-4                   | Total/NA  | Water  | 3510C  |            |
| 752-38193-5         | SW-5                   | Total/NA  | Water  | 3510C  |            |
| 752-38193-6         | SW-6                   | Total/NA  | Water  | 3510C  |            |
| 752-38193-7         | SW-7                   | Total/NA  | Water  | 3510C  |            |
| 752-38193-8         | 101625-Dup-SW          | Total/NA  | Water  | 3510C  |            |
| MB 400-727264/1-A   | Method Blank           | Total/NA  | Water  | 3510C  |            |
| LCS 400-727264/2-A  | Lab Control Sample     | Total/NA  | Water  | 3510C  |            |
| LCSD 400-727264/3-A | Lab Control Sample Dup | Total/NA  | Water  | 3510C  |            |

### Prep Batch: 727411

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 752-38193-1         | SW-1                   | Total/NA  | Water  | 3511   |            |
| 752-38193-2         | SW-2                   | Total/NA  | Water  | 3511   |            |
| 752-38193-3         | SW-3                   | Total/NA  | Water  | 3511   |            |
| 752-38193-4         | SW-4                   | Total/NA  | Water  | 3511   |            |
| 752-38193-5         | SW-5                   | Total/NA  | Water  | 3511   |            |
| 752-38193-6         | SW-6                   | Total/NA  | Water  | 3511   |            |
| 752-38193-7         | SW-7                   | Total/NA  | Water  | 3511   |            |
| 752-38193-8         | 101625-Dup-SW          | Total/NA  | Water  | 3511   |            |
| MB 400-727411/1-A   | Method Blank           | Total/NA  | Water  | 3511   |            |
| LCS 400-727411/2-A  | Lab Control Sample     | Total/NA  | Water  | 3511   |            |
| LCSD 400-727411/3-A | Lab Control Sample Dup | Total/NA  | Water  | 3511   |            |

### Analysis Batch: 727527

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| MB 400-727411/1-A   | Method Blank           | Total/NA  | Water  | 8270E  | 727411     |
| LCS 400-727411/2-A  | Lab Control Sample     | Total/NA  | Water  | 8270E  | 727411     |
| LCSD 400-727411/3-A | Lab Control Sample Dup | Total/NA  | Water  | 8270E  | 727411     |

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# QC Association Summary

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

Job ID: 752-38193-1

## GC/MS Semi VOA

### Analysis Batch: 727576

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method       | Prep Batch |
|---------------------|------------------------|-----------|--------|--------------|------------|
| 752-38193-1         | SW-1                   | Total/NA  | Water  | 8270E SIM ID | 727264     |
| 752-38193-2         | SW-2                   | Total/NA  | Water  | 8270E SIM ID | 727264     |
| 752-38193-3         | SW-3                   | Total/NA  | Water  | 8270E SIM ID | 727264     |
| 752-38193-4         | SW-4                   | Total/NA  | Water  | 8270E SIM ID | 727264     |
| 752-38193-5         | SW-5                   | Total/NA  | Water  | 8270E SIM ID | 727264     |
| 752-38193-6         | SW-6                   | Total/NA  | Water  | 8270E SIM ID | 727264     |
| 752-38193-7         | SW-7                   | Total/NA  | Water  | 8270E SIM ID | 727264     |
| 752-38193-8         | 101625-Dup-SW          | Total/NA  | Water  | 8270E SIM ID | 727264     |
| MB 400-727264/1-A   | Method Blank           | Total/NA  | Water  | 8270E SIM ID | 727264     |
| LCS 400-727264/2-A  | Lab Control Sample     | Total/NA  | Water  | 8270E SIM ID | 727264     |
| LCSD 400-727264/3-A | Lab Control Sample Dup | Total/NA  | Water  | 8270E SIM ID | 727264     |

### Analysis Batch: 728179

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 752-38193-1   | SW-1             | Total/NA  | Water  | 8270E  | 727411     |
| 752-38193-2   | SW-2             | Total/NA  | Water  | 8270E  | 727411     |
| 752-38193-3   | SW-3             | Total/NA  | Water  | 8270E  | 727411     |
| 752-38193-4   | SW-4             | Total/NA  | Water  | 8270E  | 727411     |
| 752-38193-5   | SW-5             | Total/NA  | Water  | 8270E  | 727411     |
| 752-38193-6   | SW-6             | Total/NA  | Water  | 8270E  | 727411     |
| 752-38193-7   | SW-7             | Total/NA  | Water  | 8270E  | 727411     |
| 752-38193-8   | 101625-Dup-SW    | Total/NA  | Water  | 8270E  | 727411     |

## Metals

### Prep Batch: 89993

| Lab Sample ID     | Client Sample ID   | Prep Type         | Matrix | Method | Prep Batch |
|-------------------|--------------------|-------------------|--------|--------|------------|
| 752-38193-1       | SW-1               | Total Recoverable | Water  | 3005A  |            |
| 752-38193-2       | SW-2               | Total Recoverable | Water  | 3005A  |            |
| 752-38193-3       | SW-3               | Total Recoverable | Water  | 3005A  |            |
| 752-38193-4       | SW-4               | Total Recoverable | Water  | 3005A  |            |
| 752-38193-5       | SW-5               | Total Recoverable | Water  | 3005A  |            |
| 752-38193-6       | SW-6               | Total Recoverable | Water  | 3005A  |            |
| 752-38193-7       | SW-7               | Total Recoverable | Water  | 3005A  |            |
| 752-38193-8       | 101625-Dup-SW      | Total Recoverable | Water  | 3005A  |            |
| MB 705-89993/1-A  | Method Blank       | Total Recoverable | Water  | 3005A  |            |
| LCS 705-89993/2-A | Lab Control Sample | Total Recoverable | Water  | 3005A  |            |

### Prep Batch: 90610

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 752-38193-1       | SW-1               | Total/NA  | Water  | 7470A  |            |
| 752-38193-2       | SW-2               | Total/NA  | Water  | 7470A  |            |
| 752-38193-3       | SW-3               | Total/NA  | Water  | 7470A  |            |
| 752-38193-4       | SW-4               | Total/NA  | Water  | 7470A  |            |
| 752-38193-5       | SW-5               | Total/NA  | Water  | 7470A  |            |
| 752-38193-6       | SW-6               | Total/NA  | Water  | 7470A  |            |
| 752-38193-7       | SW-7               | Total/NA  | Water  | 7470A  |            |
| 752-38193-8       | 101625-Dup-SW      | Total/NA  | Water  | 7470A  |            |
| MB 705-90610/1-A  | Method Blank       | Total/NA  | Water  | 7470A  |            |
| LCS 705-90610/2-A | Lab Control Sample | Total/NA  | Water  | 7470A  |            |
| 752-38193-1 MS    | SW-1               | Total/NA  | Water  | 7470A  |            |

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# QC Association Summary

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

Job ID: 752-38193-1

## Metals (Continued)

### Prep Batch: 90610 (Continued)

| Lab Sample ID   | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|------------------|-----------|--------|--------|------------|
| 752-38193-1 MSD | SW-1             | Total/NA  | Water  | 7470A  |            |

### Analysis Batch: 90926

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 752-38193-1       | SW-1               | Total/NA  | Water  | 7470A  | 90610      |
| 752-38193-2       | SW-2               | Total/NA  | Water  | 7470A  | 90610      |
| 752-38193-3       | SW-3               | Total/NA  | Water  | 7470A  | 90610      |
| 752-38193-4       | SW-4               | Total/NA  | Water  | 7470A  | 90610      |
| 752-38193-5       | SW-5               | Total/NA  | Water  | 7470A  | 90610      |
| 752-38193-6       | SW-6               | Total/NA  | Water  | 7470A  | 90610      |
| 752-38193-7       | SW-7               | Total/NA  | Water  | 7470A  | 90610      |
| 752-38193-8       | 101625-Dup-SW      | Total/NA  | Water  | 7470A  | 90610      |
| MB 705-90610/1-A  | Method Blank       | Total/NA  | Water  | 7470A  | 90610      |
| LCS 705-90610/2-A | Lab Control Sample | Total/NA  | Water  | 7470A  | 90610      |
| 752-38193-1 MS    | SW-1               | Total/NA  | Water  | 7470A  | 90610      |
| 752-38193-1 MSD   | SW-1               | Total/NA  | Water  | 7470A  | 90610      |

### Analysis Batch: 91217

| Lab Sample ID     | Client Sample ID   | Prep Type         | Matrix | Method | Prep Batch |
|-------------------|--------------------|-------------------|--------|--------|------------|
| 752-38193-1       | SW-1               | Total Recoverable | Water  | 6020B  | 89993      |
| 752-38193-2       | SW-2               | Total Recoverable | Water  | 6020B  | 89993      |
| 752-38193-3       | SW-3               | Total Recoverable | Water  | 6020B  | 89993      |
| 752-38193-4       | SW-4               | Total Recoverable | Water  | 6020B  | 89993      |
| 752-38193-5       | SW-5               | Total Recoverable | Water  | 6020B  | 89993      |
| 752-38193-6       | SW-6               | Total Recoverable | Water  | 6020B  | 89993      |
| 752-38193-7       | SW-7               | Total Recoverable | Water  | 6020B  | 89993      |
| 752-38193-8       | 101625-Dup-SW      | Total Recoverable | Water  | 6020B  | 89993      |
| MB 705-89993/1-A  | Method Blank       | Total Recoverable | Water  | 6020B  | 89993      |
| LCS 705-89993/2-A | Lab Control Sample | Total Recoverable | Water  | 6020B  | 89993      |

## General Chemistry

### Analysis Batch: 13860

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 752-38193-1       | SW-1                   | Total/NA  | Water  | 353.2  |            |
| 752-38193-2       | SW-2                   | Total/NA  | Water  | 353.2  |            |
| 752-38193-3       | SW-3                   | Total/NA  | Water  | 353.2  |            |
| 752-38193-4       | SW-4                   | Total/NA  | Water  | 353.2  |            |
| 752-38193-5       | SW-5                   | Total/NA  | Water  | 353.2  |            |
| 752-38193-6       | SW-6                   | Total/NA  | Water  | 353.2  |            |
| 752-38193-7       | SW-7                   | Total/NA  | Water  | 353.2  |            |
| 752-38193-8       | 101625-Dup-SW          | Total/NA  | Water  | 353.2  |            |
| MB 752-13860/53   | Method Blank           | Total/NA  | Water  | 353.2  |            |
| LCS 752-13860/46  | Lab Control Sample     | Total/NA  | Water  | 353.2  |            |
| LCSD 752-13860/69 | Lab Control Sample Dup | Total/NA  | Water  | 353.2  |            |
| 752-38193-1 MS    | SW-1                   | Total/NA  | Water  | 353.2  |            |
| 752-38193-1 MSD   | SW-1                   | Total/NA  | Water  | 353.2  |            |
| 752-38193-2 DU    | SW-2                   | Total/NA  | Water  | 353.2  |            |

# QC Association Summary

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

Job ID: 752-38193-1

## General Chemistry

### Analysis Batch: 13892

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method          | Prep Batch |
|---------------|------------------|-----------|--------|-----------------|------------|
| 752-38193-1   | SW-1             | Total/NA  | Water  | Nitrate by calc |            |
| 752-38193-2   | SW-2             | Total/NA  | Water  | Nitrate by calc |            |
| 752-38193-3   | SW-3             | Total/NA  | Water  | Nitrate by calc |            |
| 752-38193-4   | SW-4             | Total/NA  | Water  | Nitrate by calc |            |
| 752-38193-5   | SW-5             | Total/NA  | Water  | Nitrate by calc |            |
| 752-38193-6   | SW-6             | Total/NA  | Water  | Nitrate by calc |            |
| 752-38193-7   | SW-7             | Total/NA  | Water  | Nitrate by calc |            |
| 752-38193-8   | 101625-Dup-SW    | Total/NA  | Water  | Nitrate by calc |            |

### Analysis Batch: 727459

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method        | Prep Batch |
|-------------------|--------------------|-----------|--------|---------------|------------|
| 752-38193-3       | SW-3               | Total/NA  | Water  | SM 4500 NO3 F |            |
| 752-38193-4       | SW-4               | Total/NA  | Water  | SM 4500 NO3 F |            |
| 752-38193-5       | SW-5               | Total/NA  | Water  | SM 4500 NO3 F |            |
| MB 400-727459/40  | Method Blank       | Total/NA  | Water  | SM 4500 NO3 F |            |
| MB 400-727459/71  | Method Blank       | Total/NA  | Water  | SM 4500 NO3 F |            |
| LCS 400-727459/41 | Lab Control Sample | Total/NA  | Water  | SM 4500 NO3 F |            |
| LCS 400-727459/72 | Lab Control Sample | Total/NA  | Water  | SM 4500 NO3 F |            |
| MRL 400-727459/42 | Lab Control Sample | Total/NA  | Water  | SM 4500 NO3 F |            |

### Analysis Batch: 727465

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method        | Prep Batch |
|-------------------|--------------------|-----------|--------|---------------|------------|
| 752-38193-1       | SW-1               | Total/NA  | Water  | SM 4500 SO4 E |            |
| 752-38193-2       | SW-2               | Total/NA  | Water  | SM 4500 SO4 E |            |
| 752-38193-3       | SW-3               | Total/NA  | Water  | SM 4500 SO4 E |            |
| 752-38193-4       | SW-4               | Total/NA  | Water  | SM 4500 SO4 E |            |
| 752-38193-5       | SW-5               | Total/NA  | Water  | SM 4500 SO4 E |            |
| 752-38193-6       | SW-6               | Total/NA  | Water  | SM 4500 SO4 E |            |
| 752-38193-7       | SW-7               | Total/NA  | Water  | SM 4500 SO4 E |            |
| 752-38193-8       | 101625-Dup-SW      | Total/NA  | Water  | SM 4500 SO4 E |            |
| MB 400-727465/19  | Method Blank       | Total/NA  | Water  | SM 4500 SO4 E |            |
| LCS 400-727465/20 | Lab Control Sample | Total/NA  | Water  | SM 4500 SO4 E |            |
| MRL 400-727465/21 | Lab Control Sample | Total/NA  | Water  | SM 4500 SO4 E |            |
| 752-38193-1 MS    | SW-1               | Total/NA  | Water  | SM 4500 SO4 E |            |
| 752-38193-1 MSD   | SW-1               | Total/NA  | Water  | SM 4500 SO4 E |            |

### Analysis Batch: 727623

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method        | Prep Batch |
|-------------------|--------------------|-----------|--------|---------------|------------|
| 752-38193-1       | SW-1               | Total/NA  | Water  | SM 4500 NO3 F |            |
| 752-38193-2       | SW-2               | Total/NA  | Water  | SM 4500 NO3 F |            |
| 752-38193-6       | SW-6               | Total/NA  | Water  | SM 4500 NO3 F |            |
| 752-38193-7       | SW-7               | Total/NA  | Water  | SM 4500 NO3 F |            |
| 752-38193-8       | 101625-Dup-SW      | Total/NA  | Water  | SM 4500 NO3 F |            |
| MB 400-727623/48  | Method Blank       | Total/NA  | Water  | SM 4500 NO3 F |            |
| LCS 400-727623/49 | Lab Control Sample | Total/NA  | Water  | SM 4500 NO3 F |            |
| MRL 400-727623/50 | Lab Control Sample | Total/NA  | Water  | SM 4500 NO3 F |            |

### Analysis Batch: 728191

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 752-38193-1   | SW-1             | Total/NA  | Water  | 350.1  |            |
| 752-38193-2   | SW-2             | Total/NA  | Water  | 350.1  |            |

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# QC Association Summary

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

Job ID: 752-38193-1

## General Chemistry (Continued)

### Analysis Batch: 728191 (Continued)

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 752-38193-3       | SW-3               | Total/NA  | Water  | 350.1  |            |
| 752-38193-4       | SW-4               | Total/NA  | Water  | 350.1  |            |
| 752-38193-5       | SW-5               | Total/NA  | Water  | 350.1  |            |
| 752-38193-6       | SW-6               | Total/NA  | Water  | 350.1  |            |
| 752-38193-7       | SW-7               | Total/NA  | Water  | 350.1  |            |
| MB 400-728191/24  | Method Blank       | Total/NA  | Water  | 350.1  |            |
| LCS 400-728191/25 | Lab Control Sample | Total/NA  | Water  | 350.1  |            |
| MRL 400-728191/19 | Lab Control Sample | Total/NA  | Water  | 350.1  |            |

### Analysis Batch: 728382

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 752-38193-8       | 101625-Dup-SW      | Total/NA  | Water  | 350.1  |            |
| MB 400-728382/24  | Method Blank       | Total/NA  | Water  | 350.1  |            |
| LCS 400-728382/25 | Lab Control Sample | Total/NA  | Water  | 350.1  |            |
| MRL 400-728382/19 | Lab Control Sample | Total/NA  | Water  | 350.1  |            |

# Lab Chronicle

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

Job ID: 752-38193-1

**Client Sample ID: SW-1**  
**Date Collected: 10/16/25 09:40**  
**Date Received: 10/16/25 15:00**

**Lab Sample ID: 752-38193-1**  
**Matrix: Water**

| Prep Type         | Batch Type | Batch Method    | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-------------------|------------|-----------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA          | Analysis   | 8260D           |     | 1               | 727858       | CAR     | EET PEN | 10/23/25 14:19       |
| Total/NA          | Prep       | 3511            |     |                 | 727411       | AMM     | EET PEN | 10/20/25 11:41       |
| Total/NA          | Analysis   | 8270E           |     | 1               | 728179       | S1B     | EET PEN | 10/25/25 17:52       |
| Total/NA          | Prep       | 3510C           |     |                 | 727264       | STC     | EET PEN | 10/17/25 16:54       |
| Total/NA          | Analysis   | 8270E SIM ID    |     | 1               | 727576       | VC1     | EET PEN | 10/21/25 19:09       |
| Total Recoverable | Prep       | 3005A           |     |                 | 89993        | SA      | EET ATL | 10/22/25 08:27       |
| Total Recoverable | Analysis   | 6020B           |     | 1               | 91217        | IF      | EET ATL | 10/28/25 07:15       |
| Total/NA          | Prep       | 7470A           |     |                 | 90610        | GR      | EET ATL | 10/24/25 12:28       |
| Total/NA          | Analysis   | 7470A           |     | 1               | 90926        | GR      | EET ATL | 10/24/25 17:58       |
| Total/NA          | Analysis   | 350.1           |     | 1               | 728191       | CAC     | EET PEN | 10/25/25 11:45       |
| Total/NA          | Analysis   | 353.2           |     | 1               | 13860        | CB      | EET RAL | 10/16/25 17:04       |
| Total/NA          | Analysis   | Nitrate by calc |     | 1               | 13892        | LEB     | EET RAL | 10/21/25 09:48       |
| Total/NA          | Analysis   | SM 4500 NO3 F   |     | 1               | 727623       | EJT     | EET PEN | 10/21/25 17:49       |
| Total/NA          | Analysis   | SM 4500 SO4 E   |     | 1               | 727465       | CJK     | EET PEN | 10/20/25 15:53       |

**Client Sample ID: SW-2**  
**Date Collected: 10/16/25 10:20**  
**Date Received: 10/16/25 15:00**

**Lab Sample ID: 752-38193-2**  
**Matrix: Water**

| Prep Type         | Batch Type | Batch Method    | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-------------------|------------|-----------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA          | Analysis   | 8260D           |     | 1               | 727858       | CAR     | EET PEN | 10/23/25 14:45       |
| Total/NA          | Prep       | 3511            |     |                 | 727411       | AMM     | EET PEN | 10/20/25 11:41       |
| Total/NA          | Analysis   | 8270E           |     | 1               | 728179       | S1B     | EET PEN | 10/25/25 18:24       |
| Total/NA          | Prep       | 3510C           |     |                 | 727264       | STC     | EET PEN | 10/17/25 16:54       |
| Total/NA          | Analysis   | 8270E SIM ID    |     | 1               | 727576       | VC1     | EET PEN | 10/21/25 19:30       |
| Total Recoverable | Prep       | 3005A           |     |                 | 89993        | SA      | EET ATL | 10/22/25 08:27       |
| Total Recoverable | Analysis   | 6020B           |     | 1               | 91217        | IF      | EET ATL | 10/28/25 07:18       |
| Total/NA          | Prep       | 7470A           |     |                 | 90610        | GR      | EET ATL | 10/24/25 12:28       |
| Total/NA          | Analysis   | 7470A           |     | 1               | 90926        | GR      | EET ATL | 10/24/25 18:22       |
| Total/NA          | Analysis   | 350.1           |     | 1               | 728191       | CAC     | EET PEN | 10/25/25 11:58       |
| Total/NA          | Analysis   | 353.2           |     | 1               | 13860        | CB      | EET RAL | 10/16/25 17:06       |
| Total/NA          | Analysis   | Nitrate by calc |     | 1               | 13892        | LEB     | EET RAL | 10/21/25 09:48       |
| Total/NA          | Analysis   | SM 4500 NO3 F   |     | 1               | 727623       | EJT     | EET PEN | 10/21/25 17:47       |
| Total/NA          | Analysis   | SM 4500 SO4 E   |     | 1               | 727465       | CJK     | EET PEN | 10/20/25 15:54       |

**Client Sample ID: SW-3**  
**Date Collected: 10/16/25 10:45**  
**Date Received: 10/16/25 15:00**

**Lab Sample ID: 752-38193-3**  
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 727858       | CAR     | EET PEN | 10/23/25 15:10       |
| Total/NA  | Prep       | 3511         |     |                 | 727411       | AMM     | EET PEN | 10/20/25 11:41       |
| Total/NA  | Analysis   | 8270E        |     | 1               | 728179       | S1B     | EET PEN | 10/25/25 18:56       |

# Lab Chronicle

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

Job ID: 752-38193-1

**Client Sample ID: SW-3**  
**Date Collected: 10/16/25 10:45**  
**Date Received: 10/16/25 15:00**

**Lab Sample ID: 752-38193-3**  
**Matrix: Water**

| Prep Type         | Batch Type | Batch Method    | Run | Dilution Factor | Batch Number | Batch Analyst | Lab     | Prepared or Analyzed |
|-------------------|------------|-----------------|-----|-----------------|--------------|---------------|---------|----------------------|
| Total/NA          | Prep       | 3510C           |     |                 | 727264       | STC           | EET PEN | 10/17/25 16:54       |
| Total/NA          | Analysis   | 8270E SIM ID    |     | 1               | 727576       | VC1           | EET PEN | 10/21/25 19:52       |
| Total Recoverable | Prep       | 3005A           |     |                 | 89993        | SA            | EET ATL | 10/22/25 08:27       |
| Total Recoverable | Analysis   | 6020B           |     | 1               | 91217        | IF            | EET ATL | 10/28/25 07:21       |
| Total/NA          | Prep       | 7470A           |     |                 | 90610        | GR            | EET ATL | 10/24/25 12:28       |
| Total/NA          | Analysis   | 7470A           |     | 1               | 90926        | GR            | EET ATL | 10/24/25 18:25       |
| Total/NA          | Analysis   | 350.1           |     | 1               | 728191       | CAC           | EET PEN | 10/25/25 12:01       |
| Total/NA          | Analysis   | 353.2           |     | 1               | 13860        | CB            | EET RAL | 10/16/25 17:08       |
| Total/NA          | Analysis   | Nitrate by calc |     | 1               | 13892        | LEB           | EET RAL | 10/21/25 09:48       |
| Total/NA          | Analysis   | SM 4500 NO3 F   |     | 1               | 727459       | YC            | EET PEN | 10/20/25 14:04       |
| Total/NA          | Analysis   | SM 4500 SO4 E   |     | 1               | 727465       | CJK           | EET PEN | 10/20/25 15:55       |

**Client Sample ID: SW-4**  
**Date Collected: 10/16/25 11:30**  
**Date Received: 10/16/25 15:00**

**Lab Sample ID: 752-38193-4**  
**Matrix: Water**

| Prep Type         | Batch Type | Batch Method    | Run | Dilution Factor | Batch Number | Batch Analyst | Lab     | Prepared or Analyzed |
|-------------------|------------|-----------------|-----|-----------------|--------------|---------------|---------|----------------------|
| Total/NA          | Analysis   | 8260D           |     | 1               | 727858       | CAR           | EET PEN | 10/23/25 18:06       |
| Total/NA          | Prep       | 3511            |     |                 | 727411       | AMM           | EET PEN | 10/20/25 11:41       |
| Total/NA          | Analysis   | 8270E           |     | 1               | 728179       | S1B           | EET PEN | 10/25/25 19:28       |
| Total/NA          | Prep       | 3510C           |     |                 | 727264       | STC           | EET PEN | 10/17/25 16:54       |
| Total/NA          | Analysis   | 8270E SIM ID    |     | 1               | 727576       | VC1           | EET PEN | 10/21/25 20:14       |
| Total Recoverable | Prep       | 3005A           |     |                 | 89993        | SA            | EET ATL | 10/22/25 08:27       |
| Total Recoverable | Analysis   | 6020B           |     | 1               | 91217        | IF            | EET ATL | 10/28/25 07:23       |
| Total/NA          | Prep       | 7470A           |     |                 | 90610        | GR            | EET ATL | 10/24/25 12:28       |
| Total/NA          | Analysis   | 7470A           |     | 1               | 90926        | GR            | EET ATL | 10/24/25 18:29       |
| Total/NA          | Analysis   | 350.1           |     | 1               | 728191       | CAC           | EET PEN | 10/25/25 12:03       |
| Total/NA          | Analysis   | 353.2           |     | 1               | 13860        | CB            | EET RAL | 10/16/25 17:09       |
| Total/NA          | Analysis   | Nitrate by calc |     | 1               | 13892        | LEB           | EET RAL | 10/21/25 09:48       |
| Total/NA          | Analysis   | SM 4500 NO3 F   |     | 1               | 727459       | YC            | EET PEN | 10/20/25 14:05       |
| Total/NA          | Analysis   | SM 4500 SO4 E   |     | 1               | 727465       | CJK           | EET PEN | 10/20/25 15:55       |

**Client Sample ID: SW-5**  
**Date Collected: 10/16/25 12:00**  
**Date Received: 10/16/25 15:00**

**Lab Sample ID: 752-38193-5**  
**Matrix: Water**

| Prep Type         | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Batch Analyst | Lab     | Prepared or Analyzed |
|-------------------|------------|--------------|-----|-----------------|--------------|---------------|---------|----------------------|
| Total/NA          | Analysis   | 8260D        |     | 1               | 727858       | CAR           | EET PEN | 10/23/25 18:31       |
| Total/NA          | Prep       | 3511         |     |                 | 727411       | AMM           | EET PEN | 10/20/25 11:41       |
| Total/NA          | Analysis   | 8270E        |     | 1               | 728179       | S1B           | EET PEN | 10/25/25 20:00       |
| Total/NA          | Prep       | 3510C        |     |                 | 727264       | STC           | EET PEN | 10/17/25 16:54       |
| Total/NA          | Analysis   | 8270E SIM ID |     | 1               | 727576       | VC1           | EET PEN | 10/21/25 20:35       |
| Total Recoverable | Prep       | 3005A        |     |                 | 89993        | SA            | EET ATL | 10/22/25 08:27       |
| Total Recoverable | Analysis   | 6020B        |     | 1               | 91217        | IF            | EET ATL | 10/28/25 07:26       |

Eurofins Raleigh

# Lab Chronicle

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

Job ID: 752-38193-1

**Client Sample ID: SW-5**  
**Date Collected: 10/16/25 12:00**  
**Date Received: 10/16/25 15:00**

**Lab Sample ID: 752-38193-5**  
**Matrix: Water**

| Prep Type | Batch Type | Batch Method    | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|-----------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 7470A           |     |                 | 90610        | GR      | EET ATL | 10/24/25 12:28       |
| Total/NA  | Analysis   | 7470A           |     | 1               | 90926        | GR      | EET ATL | 10/24/25 18:33       |
| Total/NA  | Analysis   | 350.1           |     | 1               | 728191       | CAC     | EET PEN | 10/25/25 12:06       |
| Total/NA  | Analysis   | 353.2           |     | 1               | 13860        | CB      | EET RAL | 10/16/25 17:10       |
| Total/NA  | Analysis   | Nitrate by calc |     | 1               | 13892        | LEB     | EET RAL | 10/21/25 09:48       |
| Total/NA  | Analysis   | SM 4500 NO3 F   |     | 1               | 727459       | YC      | EET PEN | 10/20/25 14:07       |
| Total/NA  | Analysis   | SM 4500 SO4 E   |     | 1               | 727465       | CJK     | EET PEN | 10/20/25 15:56       |

**Client Sample ID: SW-6**  
**Date Collected: 10/16/25 12:30**  
**Date Received: 10/16/25 15:00**

**Lab Sample ID: 752-38193-6**  
**Matrix: Water**

| Prep Type         | Batch Type | Batch Method    | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-------------------|------------|-----------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA          | Analysis   | 8260D           |     | 1               | 727858       | CAR     | EET PEN | 10/23/25 18:56       |
| Total/NA          | Prep       | 3511            |     |                 | 727411       | AMM     | EET PEN | 10/20/25 11:41       |
| Total/NA          | Analysis   | 8270E           |     | 1               | 728179       | S1B     | EET PEN | 10/25/25 20:32       |
| Total/NA          | Prep       | 3510C           |     |                 | 727264       | STC     | EET PEN | 10/17/25 16:54       |
| Total/NA          | Analysis   | 8270E SIM ID    |     | 1               | 727576       | VC1     | EET PEN | 10/21/25 20:57       |
| Total Recoverable | Prep       | 3005A           |     |                 | 89993        | SA      | EET ATL | 10/22/25 08:27       |
| Total Recoverable | Analysis   | 6020B           |     | 1               | 91217        | IF      | EET ATL | 10/28/25 07:49       |
| Total/NA          | Prep       | 7470A           |     |                 | 90610        | GR      | EET ATL | 10/24/25 12:28       |
| Total/NA          | Analysis   | 7470A           |     | 1               | 90926        | GR      | EET ATL | 10/24/25 18:37       |
| Total/NA          | Analysis   | 350.1           |     | 1               | 728191       | CAC     | EET PEN | 10/25/25 12:09       |
| Total/NA          | Analysis   | 353.2           |     | 1               | 13860        | CB      | EET RAL | 10/16/25 17:11       |
| Total/NA          | Analysis   | Nitrate by calc |     | 1               | 13892        | LEB     | EET RAL | 10/21/25 09:48       |
| Total/NA          | Analysis   | SM 4500 NO3 F   |     | 1               | 727623       | EJT     | EET PEN | 10/21/25 17:45       |
| Total/NA          | Analysis   | SM 4500 SO4 E   |     | 1               | 727465       | CJK     | EET PEN | 10/20/25 15:56       |

**Client Sample ID: SW-7**  
**Date Collected: 10/16/25 13:00**  
**Date Received: 10/16/25 15:00**

**Lab Sample ID: 752-38193-7**  
**Matrix: Water**

| Prep Type         | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-------------------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA          | Analysis   | 8260D        |     | 1               | 727858       | CAR     | EET PEN | 10/23/25 19:21       |
| Total/NA          | Prep       | 3511         |     |                 | 727411       | AMM     | EET PEN | 10/20/25 11:41       |
| Total/NA          | Analysis   | 8270E        |     | 1               | 728179       | S1B     | EET PEN | 10/25/25 21:04       |
| Total/NA          | Prep       | 3510C        |     |                 | 727264       | STC     | EET PEN | 10/17/25 16:54       |
| Total/NA          | Analysis   | 8270E SIM ID |     | 1               | 727576       | VC1     | EET PEN | 10/21/25 21:18       |
| Total Recoverable | Prep       | 3005A        |     |                 | 89993        | SA      | EET ATL | 10/22/25 08:27       |
| Total Recoverable | Analysis   | 6020B        |     | 1               | 91217        | IF      | EET ATL | 10/28/25 07:52       |
| Total/NA          | Prep       | 7470A        |     |                 | 90610        | GR      | EET ATL | 10/24/25 12:28       |
| Total/NA          | Analysis   | 7470A        |     | 1               | 90926        | GR      | EET ATL | 10/24/25 18:41       |
| Total/NA          | Analysis   | 350.1        |     | 1               | 728191       | CAC     | EET PEN | 10/25/25 12:11       |

# Lab Chronicle

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

Job ID: 752-38193-1

## Client Sample ID: SW-7

Lab Sample ID: 752-38193-7

Date Collected: 10/16/25 13:00

Matrix: Water

Date Received: 10/16/25 15:00

| Prep Type | Batch Type | Batch Method    | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|-----------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 353.2           |     | 1               | 13860        | CB      | EET RAL | 10/16/25 17:13       |
| Total/NA  | Analysis   | Nitrate by calc |     | 1               | 13892        | LEB     | EET RAL | 10/21/25 09:48       |
| Total/NA  | Analysis   | SM 4500 NO3 F   |     | 1               | 727623       | EJT     | EET PEN | 10/21/25 17:44       |
| Total/NA  | Analysis   | SM 4500 SO4 E   |     | 1               | 727465       | CJK     | EET PEN | 10/20/25 15:57       |

## Client Sample ID: 101625-Dup-SW

Lab Sample ID: 752-38193-8

Date Collected: 10/16/25 00:00

Matrix: Water

Date Received: 10/16/25 15:00

| Prep Type         | Batch Type | Batch Method    | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-------------------|------------|-----------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA          | Analysis   | 8260D           |     | 1               | 727858       | CAR     | EET PEN | 10/23/25 19:46       |
| Total/NA          | Prep       | 3511            |     |                 | 727411       | AMM     | EET PEN | 10/20/25 11:41       |
| Total/NA          | Analysis   | 8270E           |     | 1               | 728179       | S1B     | EET PEN | 10/25/25 21:36       |
| Total/NA          | Prep       | 3510C           |     |                 | 727264       | STC     | EET PEN | 10/17/25 16:54       |
| Total/NA          | Analysis   | 8270E SIM ID    |     | 1               | 727576       | VC1     | EET PEN | 10/21/25 21:40       |
| Total Recoverable | Prep       | 3005A           |     |                 | 89993        | SA      | EET ATL | 10/22/25 08:27       |
| Total Recoverable | Analysis   | 6020B           |     | 1               | 91217        | IF      | EET ATL | 10/28/25 07:55       |
| Total/NA          | Prep       | 7470A           |     |                 | 90610        | GR      | EET ATL | 10/24/25 12:28       |
| Total/NA          | Analysis   | 7470A           |     | 1               | 90926        | GR      | EET ATL | 10/24/25 18:45       |
| Total/NA          | Analysis   | 350.1           |     | 1               | 728382       | CAC     | EET PEN | 10/27/25 11:56       |
| Total/NA          | Analysis   | 353.2           |     | 1               | 13860        | CB      | EET RAL | 10/16/25 17:14       |
| Total/NA          | Analysis   | Nitrate by calc |     | 1               | 13892        | LEB     | EET RAL | 10/21/25 09:48       |
| Total/NA          | Analysis   | SM 4500 NO3 F   |     | 1               | 727623       | EJT     | EET PEN | 10/21/25 17:42       |
| Total/NA          | Analysis   | SM 4500 SO4 E   |     | 1               | 727465       | CJK     | EET PEN | 10/20/25 15:57       |

## Client Sample ID: Trip Blank

Lab Sample ID: 752-38193-9

Date Collected: 10/16/25 00:00

Matrix: Water

Date Received: 10/16/25 15:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 727858       | CAR     | EET PEN | 10/23/25 17:41       |

### Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

EET RAL = Eurofins Raleigh, 104 Woodwinds Industrial Court, Suite A, Cary, NC 27511, TEL (919)467-3090

# Accreditation/Certification Summary

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

Job ID: 752-38193-1

## Laboratory: Eurofins Raleigh

The accreditations/certifications listed below are applicable to this report.

| Authority              | Program | Identification Number | Expiration Date |
|------------------------|---------|-----------------------|-----------------|
| North Carolina (WW/SW) | State   | 591                   | 12-31-25        |

## Laboratory: Eurofins Atlanta

The accreditations/certifications listed below are applicable to this report.

| Authority              | Program | Identification Number | Expiration Date |
|------------------------|---------|-----------------------|-----------------|
| North Carolina (WW/SW) | State   | 562                   | 12-31-25        |

## Laboratory: Eurofins Pensacola

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority              | Program | Identification Number | Expiration Date |
|------------------------|---------|-----------------------|-----------------|
| North Carolina (WW/SW) | State   | 314                   | 12-31-25        |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte            |
|-----------------|-------------|--------|--------------------|
| 8260D           |             | Water  | Hexane             |
| 8260D           |             | Water  | n-Heptane          |
| 8270E           | 3511        | Water  | 3 & 4 Methylphenol |
| 8270E           | 3511        | Water  | 4-Nitrophenol      |



# Method Summary

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

Job ID: 752-38193-1

| Method          | Method Description  | Protocol | Laboratory |
|-----------------|---|----------|------------|
| 8260D           | Volatile Organic Compounds by GC/MS                           | SW846    | EET PEN    |
| 8270E           | Semivolatile Organic Compounds (GC-MS/MS)                     | SW846    | EET PEN    |
| 8270E SIM ID    | Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) | SW846    | EET PEN    |
| 6020B           | Metals (ICP/MS)   | SW846    | EET ATL    |
| 7470A           | Mercury (CVAA)  | SW846    | EET ATL    |
| 350.1           | Nitrogen, Ammonia   | EPA      | EET PEN    |
| 353.2           | Nitrogen, Nitrite   | EPA      | EET RAL    |
| Nitrate by calc | Nitrogen, Nitrate-Nitrite                                     | SM       | EET RAL    |
| SM 4500 NO3 F   | Nitrogen, Nitrate-Nitrite                                     | SM       | EET PEN    |
| SM 4500 SO4 E   | Sulfate, Total  | SM       | EET PEN    |
| 3005A           | Preparation, Total Recoverable or Dissolved Metals            | SW846    | EET ATL    |
| 3510C           | Liquid-Liquid Extraction (Separatory Funnel)                  | SW846    | EET PEN    |
| 3511            | Microextraction of Organic Compounds                          | SW846    | EET PEN    |
| 5030C           | Purge and Trap  | SW846    | EET PEN    |
| 7470A           | Preparation, Mercury  | SW846    | EET ATL    |

#### Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

#### Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

EET RAL = Eurofins Raleigh, 104 Woodwinds Industrial Court, Suite A, Cary, NC 27511, TEL (919)467-3090

# Sample Summary

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

Job ID: 752-38193-1


| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Sample Origin  |
|---------------|------------------|--------|----------------|----------------|----------------|
| 752-38193-1   | SW-1             | Water  | 10/16/25 09:40 | 10/16/25 15:00 | North Carolina |
| 752-38193-2   | SW-2             | Water  | 10/16/25 10:20 | 10/16/25 15:00 | North Carolina |
| 752-38193-3   | SW-3             | Water  | 10/16/25 10:45 | 10/16/25 15:00 | North Carolina |
| 752-38193-4   | SW-4             | Water  | 10/16/25 11:30 | 10/16/25 15:00 | North Carolina |
| 752-38193-5   | SW-5             | Water  | 10/16/25 12:00 | 10/16/25 15:00 | North Carolina |
| 752-38193-6   | SW-6             | Water  | 10/16/25 12:30 | 10/16/25 15:00 | North Carolina |
| 752-38193-7   | SW-7             | Water  | 10/16/25 13:00 | 10/16/25 15:00 | North Carolina |
| 752-38193-8   | 101625-Dup-SW    | Water  | 10/16/25 00:00 | 10/16/25 15:00 | North Carolina |
| 752-38193-9   | Trip Blank       | Water  | 10/16/25 00:00 | 10/16/25 15:00 | North Carolina |

- 1
- 2
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- 5
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**Eurofins Raleigh**

104 Woodwinds Industrial Court Suite A  
Cary, NC 27511  
Phone (919) 467-3090

**Chain of Custody Record**

|  |                             |  |                      |   |  |  |  |   |  |  |                             |  |                                     |                            |                         |                                 |                                     |                        |                            |  |  |  |  |  |  |  |  |   |  |
|--|-----------------------------|--|----------------------|---|--|--|--|---|--|--|-----------------------------|--|-------------------------------------|----------------------------|-------------------------|---------------------------------|-------------------------------------|------------------------|----------------------------|--|--|--|--|--|--|--|--|---|--|
| <b>Client Information</b>  |                             | Sampler: <u>Chase Porter</u>                 |                      | Lab PM: <u>Bechtold, Chad</u>   |  | Carrier Tracking No(s):  |  | COC No: <u>680-170209-59869.1</u>   |  |  |                             |  |                                     |                            |                         |                                 |                                     |                        |                            |  |  |  |  |  |  |  |  |   |  |
| Client Contact: <u>Jerry Paul</u>  |                             | Phone: <u>(506) 237-7899</u>                 |                      | E-Mail: <u>Chad.Bechtold@et.eurofinsus.com</u>  |  | State of Origin:   |  | Page: <u>1 of 1</u>   |  |  |                             |  |                                     |                            |                         |                                 |                                     |                        |                            |  |  |  |  |  |  |  |  |   |  |
| Company: <u>S&amp;ME Inc</u>   |                             | PWSID:                                       |                      | <b>Analysis Requested</b>   |  |  |  |   |  | Job #:   |                             |  |                                     |                            |                         |                                 |                                     |                        |                            |  |  |  |  |  |  |  |  |   |  |
| Address: <u>3201 Spring Forest Road</u>  |                             | Due Date Requested:                          |                      | <table border="1"> <tr> <td>Field Filtered Sample (Yes or No)</td> <td>8270E_QQQ - SVOC TCL OLM4.2</td> <td>8270E_SIM_ID_D5 - 1,4 Dioxane</td> <td>360.1 - Ammonia as N</td> <td>363.2 - NOx, Nitrate, Calc</td> <td>8260D - VOC NC 02L List</td> <td>6020B - PRLF Metals; 7470A - Hg</td> <td>363.2_Nitrite - Nitrite (4 Hour HT)</td> <td>SM4600_SO4_E - Sulfate</td> </tr> <tr> <td>Total Number of containers</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> |  |  |  |   |  | Field Filtered Sample (Yes or No)  | 8270E_QQQ - SVOC TCL OLM4.2 | 8270E_SIM_ID_D5 - 1,4 Dioxane  | 360.1 - Ammonia as N                | 363.2 - NOx, Nitrate, Calc | 8260D - VOC NC 02L List | 6020B - PRLF Metals; 7470A - Hg | 363.2_Nitrite - Nitrite (4 Hour HT) | SM4600_SO4_E - Sulfate | Total Number of containers |  |  |  |  |  |  |  |  | Preservation Codes:<br>N - None<br>S - H2SO4<br>A - HCL<br>D - HNO3 |  |
| Field Filtered Sample (Yes or No)  | 8270E_QQQ - SVOC TCL OLM4.2 | 8270E_SIM_ID_D5 - 1,4 Dioxane                | 360.1 - Ammonia as N |   |  |  |  |   |  | 363.2 - NOx, Nitrate, Calc   | 8260D - VOC NC 02L List     | 6020B - PRLF Metals; 7470A - Hg  | 363.2_Nitrite - Nitrite (4 Hour HT) | SM4600_SO4_E - Sulfate     |                         |                                 |                                     |                        |                            |  |  |  |  |  |  |  |  |   |  |
| Total Number of containers   |                             |  |                      |   |  |  |  |   |  |  |                             |  |                                     |                            |                         |                                 |                                     |                        |                            |  |  |  |  |  |  |  |  |   |  |
| City: <u>Raleigh</u>   |                             | TAT Requested (days):<br><u>STANDARD TAT</u> |                      |   |  |  |  |   |  | Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No |                             | QR Code:  |                                     | 752-38193 COC              |                         |                                 |                                     |                        |                            |  |  |  |  |  |  |  |  |   |  |
| State, Zip: <u>NC, 27616</u>   |                             | PO #: <u>23050630BI</u>                      |                      |   |  |  |  |   |  | WO #:  |                             | Other:   |                                     | NCDEa EQuIS<br>EDDs        |                         |                                 |                                     |                        |                            |  |  |  |  |  |  |  |  |   |  |
| Phone: <u>919-872-2660(Tel) 919-876-3958(Fax)</u>  |                             | Project #: <u>68026680</u>                   |                      | SSOW#:  |  | Special Instructions/Note:   |  |   |  |  |                             |  |                                     |                            |                         |                                 |                                     |                        |                            |  |  |  |  |  |  |  |  |   |  |
| Email: <u>jpaul@smeinc.com</u>   |                             | Project Name: <u>East Durham Park</u>        |                      |   |  |  |  |   |  |  |                             |  |                                     |                            |                         |                                 |                                     |                        |                            |  |  |  |  |  |  |  |  |   |  |
| Site:  |                             |  |                      |   |  |  |  |   |  |  |                             |  |                                     |                            |                         |                                 |                                     |                        |                            |  |  |  |  |  |  |  |  |   |  |
| <b>Sample Identification</b>   |                             | <b>Sample Date</b>                           |                      | <b>Sample Time</b>  |  | <b>Sample Type (C=Comp, G=grab)</b>  |  | <b>Matrix (W=water, S=solid, O=soil, BT=Tissue, A=Air, DW=Drinking Water)</b> |  | <b>Field Filtered Sample (Yes or No)</b>                                     |                             | <b>Preservation Code:</b>  |                                     |                            |                         |                                 |                                     |                        |                            |  |  |  |  |  |  |  |  |   |  |
|  |                             |  |                      |   |  |  |  |   |  | N  |                             | N  |                                     |                            |                         |                                 |                                     |                        |                            |  |  |  |  |  |  |  |  |   |  |
| <u>SW-1</u>  |                             | <u>10/16/25</u>                              |                      | <u>0940</u>   |  | <u>G</u>   |  | <u>W</u>  |  | X  |                             | X  |                                     |                            |                         |                                 |                                     |                        |                            |  |  |  |  |  |  |  |  |   |  |
| <u>SW-2</u>  |                             |  |                      | <u>1020</u>   |  | <u>G</u>   |  | <u>W</u>  |  | X  |                             | X  |                                     |                            |                         |                                 |                                     |                        |                            |  |  |  |  |  |  |  |  |   |  |
| <u>SW-3</u>  |                             |  |                      | <u>1045</u>   |  | <u>G</u>   |  | <u>W</u>  |  | X  |                             | X  |                                     |                            |                         |                                 |                                     |                        |                            |  |  |  |  |  |  |  |  |   |  |
| <u>SW-4</u>  |                             |  |                      | <u>1130</u>   |  | <u>G</u>   |  | <u>W</u>  |  | X  |                             | X  |                                     |                            |                         |                                 |                                     |                        |                            |  |  |  |  |  |  |  |  |   |  |
| <u>SW-5</u>  |                             |  |                      | <u>1200</u>   |  | <u>G</u>   |  | <u>W</u>  |  | X  |                             | X  |                                     |                            |                         |                                 |                                     |                        |                            |  |  |  |  |  |  |  |  |   |  |
| <u>SW-6</u>  |                             |  |                      | <u>1230</u>   |  | <u>G</u>   |  | <u>W</u>  |  | X  |                             | X  |                                     |                            |                         |                                 |                                     |                        |                            |  |  |  |  |  |  |  |  |   |  |
| <u>SW-7</u>  |                             |  |                      | <u>1300</u>   |  | <u>G</u>   |  | <u>W</u>  |  | X  |                             | X  |                                     |                            |                         |                                 |                                     |                        |                            |  |  |  |  |  |  |  |  |   |  |
| <u>101625-DUP-SW</u>   |                             |  |                      |   |  | <u>G</u>   |  | <u>W</u>  |  | X  |                             | X  |                                     |                            |                         |                                 |                                     |                        |                            |  |  |  |  |  |  |  |  |   |  |
| <u>TRIP BLANK</u>  |                             |  |                      |   |  |  |  |   |  |  |                             |  |                                     |                            |                         |                                 |                                     |                        |                            |  |  |  |  |  |  |  |  |   |  |
| <b>Possible Hazard Identification</b>  |                             |  |                      |   |  | <b>Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)</b>  |  |   |  |  |                             |  |                                     |                            |                         |                                 |                                     |                        |                            |  |  |  |  |  |  |  |  |   |  |
| <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological |                             |  |                      |   |  | <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months |  |   |  |  |                             |  |                                     |                            |                         |                                 |                                     |                        |                            |  |  |  |  |  |  |  |  |   |  |
| Deliverable Requested: I, II, III, IV, Other (specify)   |                             |  |                      |   |  | Special Instructions/QC Requirements:  |  |   |  |  |                             |  |                                     |                            |                         |                                 |                                     |                        |                            |  |  |  |  |  |  |  |  |   |  |
| Empty Kit Relinquished by:   |                             |  |                      | Date:   |  | Time:  |  | Method of Shipment:   |  |  |                             |  |                                     |                            |                         |                                 |                                     |                        |                            |  |  |  |  |  |  |  |  |   |  |
| Relinquished by: <u>[Signature]</u>  |                             | Date/Time: <u>10/16/25 1335</u>              |                      | Company: <u>S&amp;ME</u>  |  | Received by: <u>[Signature]</u>  |  | Date/Time: <u>10/16/25 1335</u>   |  | Company: <u>S&amp;ME</u>   |                             |  |                                     |                            |                         |                                 |                                     |                        |                            |  |  |  |  |  |  |  |  |   |  |
| Relinquished by: <u>[Signature]</u>  |                             | Date/Time: <u>10/16/25</u>                   |                      | Company: <u>S&amp;ME</u>  |  | Received by: <u>[Signature]</u>  |  | Date/Time: <u>10/16/25 1500</u>   |  | Company: <u>[Signature]</u>  |                             |  |                                     |                            |                         |                                 |                                     |                        |                            |  |  |  |  |  |  |  |  |   |  |
| Relinquished by:   |                             | Date/Time:                                   |                      | Company:  |  | Received by:   |  | Date/Time:  |  | Company:   |                             |  |                                     |                            |                         |                                 |                                     |                        |                            |  |  |  |  |  |  |  |  |   |  |
| Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No   |                             | Custody Seal No.:                            |                      | Cooler Temperature(s) °C and Other Remarks: <u>4.5/4.1°C</u> <u>7.7/4.3°C</u>   |  |  |  |   |  |  |                             |  |                                     |                            |                         |                                 |                                     |                        |                            |  |  |  |  |  |  |  |  |   |  |

**Eurofins Raleigh**  
 104 Woodwinds Industrial Court Suite A  
 Cary, NC 27511  
 Phone: 919-467-3090

# Chain of Custody Record

**eurofins** | Environment Testing



|  |                     |  |   |                                     |
|--|---------------------|--|---|-------------------------------------|
| <b>Client Information (Sub Contract Lab)</b>   |                     | Lab PM: Bechtold, Chad                               | Carrier Tracking No(s): N/A   | COC No: 752-6972-1                  |
| Client Contact: Chad Bechtold@eurofins.com   |                     | E-Mail: Chad Bechtold@eurofins.com                   | State of Origin: North Carolina                                     | Page: Page 1 of 1                   |
| Shipping/Receiving: Eurofins Environment Testing Southeast L   |                     | Company: Eurofins Environment Testing Southeast L    | Accreditations Required (See note): State - North Carolina (WWW/SW) | Job #: 752-38193-1                  |
| Address: 3355 McLemore Drive, Pensacola, FL 32514  |                     | City: Pensacola                                      | State: FL   | Preservation Codes:                 |
| Phone: 850-474-1001 (Tel) 850-478-2671 (Fax)   | PO #: N/A           | TAT Requested (days): N/A                            | Analysis Requested:   |                                     |
| Email: N/A   | WO #: N/A           | Due Date Requested: 10/27/2025                       | 8260D/6030C VOC NC 02L List   | 8270E_QQ/3511(MOD) SVOC TCL OL M4.2 |
| Project Name: East Durham Park   | Project #: 66026660 | Matrix (W=Water, S=solid, O=soil, BT= Tissue, A=Air) | 8270E_SIM_ID_D513510C_LV11.4 Dioxane                                | 350.1 ammonia as N                  |
| Site: N/A  | SSOW#: N/A          | Sample Type (C=Comp, G=grab)                         | SM4500_NO3.FNitrate+Nitrite   | 9056A_ORGM_28DSulfate               |
| <b>Sample Identification - Client ID (Lab ID)</b>  |                     | Sample Date  | Sample Time   | Matrix                              |
| SW-1 (752-38193-1)   | 10/16/25            | 09:40 Eastern  | G   | Water                               |
| SW-2 (752-38193-2)   | 10/16/25            | 10:20 Eastern  | G   | Water                               |
| SW-3 (752-38193-3)   | 10/16/25            | 10:45 Eastern  | G   | Water                               |
| SW-4 (752-38193-4)   | 10/16/25            | 11:30 Eastern  | G   | Water                               |
| SW-5 (752-38193-5)   | 10/16/25            | 12:00 Eastern  | G   | Water                               |
| SW-6 (752-38193-6)   | 10/16/25            | 12:30 Eastern  | G   | Water                               |
| SW-7 (752-38193-7)   | 10/16/25            | 13:00 Eastern  | G   | Water                               |
| 101625-Dup-SW (752-38193-8)  | 10/16/25            | Eastern  | G   | Water                               |
| Trip Blank (752-38193-9)   | 10/16/25            | 09:40 Eastern  | G   | Water                               |
| <p>Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte &amp; 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/test/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.</p> |                     |  |   |                                     |
| <b>Possible Hazard Identification</b>  |                     |  |   |                                     |
| Unconfirmed  |                     |  |   |                                     |
| Deliverable Requested I, II, III, IV, Other (specify)  |                     |  |   |                                     |
| Primary Deliverable Rank: 2  |                     |  |   |                                     |
| Empty Kit Relinquished by  |                     |  |   |                                     |
| Date/Time: 10/16/25 15:30  |                     |  |   |                                     |
| Relinquished by: [Signature]   |                     |  |   |                                     |
| Date/Time:   |                     |  |   |                                     |
| Relinquished by:   |                     |  |   |                                     |
| Date/Time:   |                     |  |   |                                     |
| Custody Seals Intact: Custody Seal No. 17, 17, 17, 50, 13, 22  |                     |  |   |                                     |
| Δ Yes Δ No   |                     |  |   |                                     |



Ver 10/10/2024

**Eurofins Raleigh**

104 Woodwinds Industrial Court Suite A  
Cary, NC 27511  
Phone: 919-467-3090

**Chain of Custody Record**



Environment Testing

| <b>Client Information (Sub Contract Lab)</b>  |                                   |                                   | Sampler:<br>N/A   | Lab PM:<br>Bechtold, Chad  | Carrier Tracking No(s):<br>N/A   | COC No:<br>752-6971.1                                    |                                   |   |  |                            |  |                            |                     |
|---|-----------------------------------|-----------------------------------|---|--|--|--|-----------------------------------|---|--|----------------------------|--|----------------------------|---------------------|
| Client Contact:<br>Shipping/Receiving   |                                   |                                   | Phone:<br>N/A   | E-Mail:<br>Chad.Bechtold@et.eurofinsus.com   | State of Origin:<br>North Carolina   | Page:<br>Page 1 of 1                                     |                                   |   |  |                            |  |                            |                     |
| Company:<br>Eurofins Environment Testing Southeast L  |                                   |                                   | Accreditations Required (See note):<br>State - North Carolina (WW/SW) |  |  | Job #:<br>752-38193-1                                    |                                   |   |  |                            |  |                            |                     |
| Address:<br>3080 Presidential Dr.   |                                   | Due Date Requested:<br>10/27/2025 |   | <table border="1"> <tr> <th colspan="2">Analysis Requested</th> </tr> <tr> <td>Field Filtered Sample (Yes or No)</td> <td rowspan="4">                     Total Number of containers<br/>N/A                 </td> </tr> <tr> <td>Perform MS/MSD (Yes or No)</td> </tr> <tr> <td>6020B/3005A PRLF 16 Metals, including prep</td> </tr> <tr> <td>7470A/7470A_PrepMercury</td> </tr> </table> |  | Analysis Requested                                       |                                   | Field Filtered Sample (Yes or No)   | Total Number of containers<br>N/A          | Perform MS/MSD (Yes or No) | 6020B/3005A PRLF 16 Metals, including prep | 7470A/7470A_PrepMercury    | Preservation Codes: |
| Analysis Requested  |                                   |                                   |   |  |  |  |                                   |   |  |                            |  |                            |                     |
| Field Filtered Sample (Yes or No)   | Total Number of containers<br>N/A |                                   |   |  |  |  |                                   |   |  |                            |  |                            |                     |
| Perform MS/MSD (Yes or No)  |                                   |                                   |   |  |  |  |                                   |   |  |                            |  |                            |                     |
| 6020B/3005A PRLF 16 Metals, including prep  |                                   |                                   |   |  |  |  |                                   |   |  |                            |  |                            |                     |
| 7470A/7470A_PrepMercury   |                                   |                                   |   |  |  |  |                                   |   |  |                            |  |                            |                     |
| City:<br>Atlanta  | TAT Requested (days):<br>N/A      |                                   |   |  |  |  |                                   |   |  |                            |  |                            |                     |
| State, Zip:<br>GA, 30340  |                                   |                                   |   |  |  |  |                                   |   |  |                            |  |                            |                     |
| Phone:<br>770-457-8177 (Tel)  | PO #:<br>N/A                      |                                   |   |  |  |  |                                   |   |  |                            |  |                            |                     |
| Email:<br>N/A   | WO #:<br>N/A                      |                                   |   |  |  |  |                                   |   |  |                            |  |                            |                     |
| Project Name:<br>East Durham Park   |                                   | Project #:<br>68026680            |   |  |  |  |                                   |   |  |                            |  |                            |                     |
| Site:<br>N/A  |                                   | SSOW#:<br>N/A                     |   |  |  | Other:<br>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/oli, 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_PrepMercury    | Total Number of containers                 | Special Instructions/Note: |                     |
|   |                                   |                                   | Preservation Code:  |  |  |  |                                   |   |  |                            |  |                            |                     |
| SW-1 (752-38193-1)  |                                   |                                   | 10/16/25  | 09:40 Eastern  | G  | Water  |                                   | X   | X  |                            | 1  |                            |                     |
| SW-2 (752-38193-2)  |                                   |                                   | 10/16/25  | 10:20 Eastern  | G  | Water  |                                   | X   | X  |                            | 1  |                            |                     |
| SW-3 (752-38193-3)  |                                   |                                   | 10/16/25  | 10:45 Eastern  | G  | Water  |                                   | X   | X  |                            | 1  |                            |                     |
| SW-4 (752-38193-4)  |                                   |                                   | 10/16/25  | 11:30 Eastern  | G  | Water  |                                   | X   | X  |                            | 1  |                            |                     |
| SW-5 (752-38193-5)  |                                   |                                   | 10/16/25  | 12:00 Eastern  | G  | Water  |                                   | X   | X  |                            | 1  |                            |                     |
| SW-6 (752-38193-6)  |                                   |                                   | 10/16/25  | 12:30 Eastern  | G  | Water  |                                   | X   | X  |                            | 1  |                            |                     |
| SW-7 (752-38193-7)  |                                   |                                   | 10/16/25  | 13:00 Eastern  | G  | Water  |                                   | X   | X  |                            | 1  |                            |                     |
| 101625-Dup-SW (752-38193-8)   |                                   |                                   | 10/16/25  | Eastern  | G  | Water  |                                   | X   | X  |                            | 1  |                            |                     |
| <p>Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte &amp; accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.</p> |                                   |                                   |   |  | <p><b>Possible Hazard Identification</b></p> Unconfirmed<br>Deliverable Requested: I, II, III, IV, Other (specify) _____ Primary Deliverable Rank: 2 |  |                                   | <p><b>Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)</b></p> <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months |  |                            |  |                            |                     |
| Empty Kit Relinquished by:  |                                   |                                   |   |  | Date:  | Time:  | Method of Shipment:               |   |  |                            |  |                            |                     |
| Relinquished by: <u>PL</u>  |                                   |                                   | Date/Time: <u>10/16/25 15:30</u>                                      | Company:   | Received by: <u>RL Taylor</u>  | Date/Time: <u>10/17/25 10<sup>00</sup></u>               | Company:                          |   |  |                            |  |                            |                     |
| Relinquished by:  |                                   |                                   | Date/Time:  | Company:   | Received by:   | Date/Time:   | Company:                          |   |  |                            |  |                            |                     |
| Relinquished by:  |                                   |                                   | Date/Time:  | Company:   | Received by:   | Date/Time:   | Company:                          |   |  |                            |  |                            |                     |
| Custody Seals Intact:<br>Δ Yes Δ No   |                                   | Custody Seal No.:                 |   | Cooler Temperature(s) °C and Other Remarks: <u>.5 #2605</u>  |  |  |                                   |   |  |                            |  |                            |                     |

# Login Sample Receipt Checklist

Client: S&ME Inc

Job Number: 752-38193-1

**Login Number: 38193**  
**List Number: 1**  
**Creator: Yonish, Rachel**

**List Source: Eurofins Raleigh**

| Question   | Answer | Comment |
|--|--------|---------|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | N/A    |         |
| The cooler's custody seal, if present, is intact.                                | True   |         |
| Sample custody seals, if present, are intact.                                    | True   |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.  | True   |         |
| Cooler Temperature is acceptable.  | True   |         |
| Cooler Temperature is recorded.  | True   |         |
| COC is present.  | True   |         |
| COC is filled out in ink and legible.  | True   |         |
| COC is filled out with all pertinent information.                                | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.   | True   |         |
| Containers are not broken or leaking.  | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.  | True   |         |
| Sample bottles are completely filled.  | True   |         |
| Sample Preservation Verified.  | True   |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | True   |         |
| Multiphasic samples are not present.   | True   |         |
| Samples do not require splitting or compositing.                                 | True   |         |
| Residual Chlorine Checked.   | N/A    |         |



# Login Sample Receipt Checklist

Client: S&ME Inc

Job Number: 752-38193-1

**Login Number: 38193**  
**List Number: 2**  
**Creator: Taylor, Renee**

**List Source: Eurofins Atlanta**  
**List Creation: 10/17/25 12:27 PM**

| Question   | Answer | Comment |
|--|--------|---------|
| The cooler's custody seal, if present, is intact.                                | True   |         |
| The cooler does not appear to have been compromised or tampered with.            | True   |         |
| Samples were received on ice.  | True   |         |
| Cooler Temperature is acceptable.  | True   |         |
| Cooler Temperature is recorded.  | True   |         |
| COC present.   | True   |         |
| COC is filled out in ink and legible.  | True   |         |
| COC is filled out with all pertinent information.                                | True   |         |
| Sample custody seals, if present, are intact.                                    | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| The samples do not appear to have been compromised or tampered with.             | True   |         |
| Containers are not broken or leaking.  | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Sample containers have legible labels.   | True   |         |
| Appropriate sample containers were rec'd and sufficient volume for all analyses. | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs).   | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | True   |         |
| Is there sufficient air space in bottle for bacteriological analysis.            | True   |         |



# Login Sample Receipt Checklist

Client: S&ME Inc

Job Number: 752-38193-1

**Login Number: 38193**

**List Number: 3**

**Creator: Beecher (Roberts), Alexis J**

**List Source: Eurofins Pensacola**

**List Creation: 10/17/25 04:04 PM**

| Question   | Answer | Comment  |
|--|--------|--|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | N/A    |  |
| The cooler's custody seal, if present, is intact.                                | True   |  |
| Sample custody seals, if present, are intact.                                    | N/A    |  |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |  |
| Samples were received on ice.  | True   |  |
| Cooler Temperature is acceptable.  | True   |  |
| Cooler Temperature is recorded.  | True   | 1.7°C IR8, 1.7°C IR8, 1.7°C IR8, 5.0°C IR8, 1.3°C IR8, 2.2°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    |  |



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# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 11/4/2025 7:52:17 AM

## JOB DESCRIPTION

East Durham Park

## JOB NUMBER

752-38206-1

# Eurofins Raleigh

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

## Authorization



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Authorized for release by  
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(813)690-3563



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# Definitions/Glossary

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

Job ID: 752-38206-1

## Qualifiers

### GC/MS VOA

| Qualifier | Qualifier Description  |
|-----------|--|
| *+        | LCS and/or LCSD is outside acceptance limits, high biased.   |
| *1        | LCS/LCSD RPD exceeds control limits.   |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

### GC/MS Semi VOA

| Qualifier | Qualifier Description  |
|-----------|--|
| *+        | LCS and/or LCSD is outside acceptance limits, high biased.   |
| *5-       | Isotope dilution analyte is outside acceptance limits, low biased.   |
| E         | Result exceeded calibration range.   |
| F1        | MS and/or MSD recovery exceeds control limits.   |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| S1+       | Surrogate recovery exceeds control limits, high biased.  |

### HPLC/IC

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

### Metals

| Qualifier | Qualifier Description   |
|-----------|---|
| 4         | MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable. |
| 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             |
|-----------|-----------------------------------|
| F2        | MS/MSD RPD exceeds control limits |

## Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|---|
| ☼              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery  |
| CFL            | Contains Free Liquid  |
| CFU            | Colony Forming Unit   |
| CNF            | Contains No Free Liquid   |
| DER            | Duplicate Error Ratio (normalized absolute difference)  |
| Dil Fac        | Dilution Factor   |
| DL             | Detection Limit (DoD/DOE)   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)   |
| EDL            | Estimated Detection Limit (Dioxin)  |
| LOD            | Limit of Detection (DoD/DOE)  |
| LOQ            | Limit of Quantitation (DoD/DOE)   |
| MCL            | EPA recommended "Maximum Contaminant Level"   |
| MDA            | Minimum Detectable Activity (Radiochemistry)  |
| MDC            | Minimum Detectable Concentration (Radiochemistry)   |
| MDL            | Method Detection Limit  |
| ML             | Minimum Level (Dioxin)  |
| MPN            | Most Probable Number  |
| MQL            | Method Quantitation Limit   |
| NC             | Not Calculated  |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)  |
| NEG            | Negative / Absent   |
| POS            | Positive / Present  |

## Definitions/Glossary

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

Job ID: 752-38206-1

### Glossary (Continued)

| Abbreviation | These commonly used abbreviations may or may not be present in this report.          |
|--------------|--|
| PQL          | Practical Quantitation Limit   |
| PRES         | Presumptive  |
| QC           | Quality Control  |
| RER          | Relative Error Ratio (Radiochemistry)  |
| RL           | Reporting Limit or Requested Limit (Radiochemistry)                                  |
| RPD          | Relative Percent Difference, a measure of the relative difference between two points |
| TEF          | Toxicity Equivalent Factor (Dioxin)  |
| TEQ          | Toxicity Equivalent Quotient (Dioxin)  |
| TNTC         | Too Numerous To Count  |

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# Case Narrative

Client: S&ME Inc  
Project: East Durham Park

Job ID: 752-38206-1

**Job ID: 752-38206-1**

**Eurofins Raleigh**

## Job Narrative 752-38206-1

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

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

### Receipt

The samples were received on 10/16/2025 3:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 4.5°C and 4.6°C.

### GC/MS VOA

Method 8260D: The laboratory control sample (LCS) for analytical batch 400-728000 recovered outside control limits for the following analytes: Acetone, Bromomethane, Chloroethane and n-Butylbenzene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The laboratory control sample duplicate (LCSD) for preparation batch 400-727744 and analytical batch 400-727708 recovered outside control limits for the following analytes: 1,1,2-Trichloroethane, 1,3-Dichloropropane, 2-Hexanone, Isopropyl ether and trans-1,3-Dichloropropene. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The precision (RPD) of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 400-727744 and analytical batch 400-727708 recovered outside control limits for the following analytes: 1,2-Dibromo-3-Chloropropane, Hexachlorobutadiene, Naphthalene, 1,2,3-Trichlorobenzene and 1,2,4-Trichlorobenzene.

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

### GC/MS Semi VOA

Method 8270E\_QQQ: Six surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: (LCS 400-727430/2-A), (752-38206-E-1-A MS) and (752-38206-E-1-B MSD). These results have been reported and qualified.

Method 8270E\_QQQ: The laboratory control sample (LCS) for preparation batch 400-727430 and analytical batch 400-727862 recovered outside control limits for the following analytes: 2,4,5-Trichlorophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Chloronaphthalene, 2-Methylphenol, 4-Bromophenyl phenyl ether, 4-Chlorophenyl phenyl ether, 4-Nitrophenol, Acetophenone, Bis(2-chloroethyl)ether, Dibenzofuran, Hexachlorobenzene, Pentachlorophenol and bis (2-chloroisopropyl) ether. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E\_SIM\_ID\_D5: The following samples were diluted due to the nature of the sample matrix: SED-1 (752-38206-1), SED-2 (752-38206-2), SED-3 (752-38206-3), SED-4 (752-38206-4), SED-5 (752-38206-5), SED-6 (752-38206-6), SED-7 (752-38206-7), 101625-Dup-SED (752-38206-8), (752-38206-E-1-D MS) and (752-38206-E-1-E MSD). Elevated reporting limits (RLs) are provided.

Method 8270E\_SIM\_ID\_D5: Surrogate recovery for the following samples were outside control limits: (752-38206-E-1-D MS) and (752-38206-E-1-E MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

### HPLC/IC

Eurofins Raleigh

# Case Narrative

Client: S&ME Inc  
Project: East Durham Park

Job ID: 752-38206-1

## Job ID: 752-38206-1 (Continued)

Eurofins Raleigh

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

### Metals

Method 6020B\_LL: The method blank for preparation batch 705-89601 and analytical batch 705-90031 contained Chromium, Copper and Vanadium above the method detection limit (MDL). This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-digestion and/or re-analysis of samples was not performed.

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

### General Chemistry

Method 7199: The following samples were diluted due to the nature of the sample matrix: (752-38206-F-1-B MS) and (752-38206-F-1-C MSD). Elevated reporting limits (RLs) are provided.

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



# Detection Summary

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

Job ID: 752-38206-1

**Client Sample ID: SED-1**

**Lab Sample ID: 752-38206-1**

| Analyte              | Result  | Qualifier | RL      | MDL     | Unit  | Dil | Fac | D | Method | Prep Type |
|----------------------|---------|-----------|---------|---------|-------|-----|-----|---|--------|-----------|
| Acetone              | 0.0209  | J         | 0.0328  | 0.0157  | mg/Kg | 1   | ✳   |   | 8260D  | Total/NA  |
| Toluene              | 0.00167 | J         | 0.00655 | 0.00131 | mg/Kg | 1   | ✳   |   | 8260D  | Total/NA  |
| Benzo[b]fluoranthene | 0.0471  | J F1      | 0.373   | 0.00158 | mg/Kg | 1   | ✳   |   | 8270E  | Total/NA  |
| Fluoranthene         | 0.0483  | J         | 0.373   | 0.0373  | mg/Kg | 1   | ✳   |   | 8270E  | Total/NA  |
| Pyrene               | 0.0494  | J         | 0.373   | 0.0373  | mg/Kg | 1   | ✳   |   | 8270E  | Total/NA  |
| Nitrate as N         | 1.88    | J         | 3.16    | 0.915   | mg/Kg | 1   | ✳   |   | 9056A  | Soluble   |
| Sulfate              | 28.8    |           | 12.6    | 12.4    | mg/Kg | 1   | ✳   |   | 9056A  | Soluble   |
| Arsenic              | 0.464   | J         | 0.481   | 0.0429  | mg/Kg | 5   | ✳   |   | 6020B  | Total/NA  |
| Barium               | 9.11    |           | 2.00    | 0.0113  | mg/Kg | 5   | ✳   |   | 6020B  | Total/NA  |
| Beryllium            | 0.0569  | J         | 0.401   | 0.0281  | mg/Kg | 5   | ✳   |   | 6020B  | Total/NA  |
| Cadmium              | 0.0527  | J         | 0.401   | 0.0131  | mg/Kg | 5   | ✳   |   | 6020B  | Total/NA  |
| Chromium             | 5.04    |           | 0.802   | 0.165   | mg/Kg | 5   | ✳   |   | 6020B  | Total/NA  |
| Cobalt               | 1.65    |           | 0.601   | 0.0227  | mg/Kg | 5   | ✳   |   | 6020B  | Total/NA  |
| Copper               | 9.65    |           | 0.401   | 0.0417  | mg/Kg | 5   | ✳   |   | 6020B  | Total/NA  |
| Lead                 | 9.97    |           | 0.401   | 0.0473  | mg/Kg | 5   | ✳   |   | 6020B  | Total/NA  |
| Manganese            | 63.1    |           | 0.802   | 0.0493  | mg/Kg | 5   | ✳   |   | 6020B  | Total/NA  |
| Nickel               | 5.55    |           | 0.802   | 0.0210  | mg/Kg | 5   | ✳   |   | 6020B  | Total/NA  |
| Silver               | 0.0220  | J         | 0.200   | 0.00232 | mg/Kg | 5   | ✳   |   | 6020B  | Total/NA  |
| Vanadium             | 7.28    |           | 0.802   | 0.101   | mg/Kg | 5   | ✳   |   | 6020B  | Total/NA  |
| Zinc                 | 44.7    |           | 2.00    | 1.66    | mg/Kg | 5   | ✳   |   | 6020B  | Total/NA  |

**Client Sample ID: SED-2**

**Lab Sample ID: 752-38206-2**

| Analyte                | Result  | Qualifier | RL      | MDL     | Unit  | Dil | Fac | D | Method | Prep Type |
|------------------------|---------|-----------|---------|---------|-------|-----|-----|---|--------|-----------|
| Acetone                | 0.0421  |           | 0.0299  | 0.0144  | mg/Kg | 1   | ✳   |   | 8260D  | Total/NA  |
| Toluene                | 0.00182 | J         | 0.00598 | 0.00120 | mg/Kg | 1   | ✳   |   | 8260D  | Total/NA  |
| Benzo[a]anthracene     | 0.0917  | J         | 0.383   | 0.0383  | mg/Kg | 1   | ✳   |   | 8270E  | Total/NA  |
| Benzo[a]pyrene         | 0.0859  | J         | 0.383   | 0.0383  | mg/Kg | 1   | ✳   |   | 8270E  | Total/NA  |
| Benzo[b]fluoranthene   | 0.154   | J         | 0.383   | 0.00163 | mg/Kg | 1   | ✳   |   | 8270E  | Total/NA  |
| Benzo[g,h,i]perylene   | 0.0924  | J         | 0.383   | 0.0383  | mg/Kg | 1   | ✳   |   | 8270E  | Total/NA  |
| Benzo[k]fluoranthene   | 0.0484  | J         | 0.383   | 0.0383  | mg/Kg | 1   | ✳   |   | 8270E  | Total/NA  |
| Caprolactam            | 0.0685  | J         | 0.383   | 0.0383  | mg/Kg | 1   | ✳   |   | 8270E  | Total/NA  |
| Chrysene               | 0.130   | J         | 0.383   | 0.0383  | mg/Kg | 1   | ✳   |   | 8270E  | Total/NA  |
| Fluoranthene           | 0.166   | J         | 0.383   | 0.0383  | mg/Kg | 1   | ✳   |   | 8270E  | Total/NA  |
| Indeno[1,2,3-cd]pyrene | 0.0692  | J         | 0.383   | 0.0383  | mg/Kg | 1   | ✳   |   | 8270E  | Total/NA  |
| Phenanthrene           | 0.120   | J         | 0.383   | 0.0383  | mg/Kg | 1   | ✳   |   | 8270E  | Total/NA  |
| Pyrene                 | 0.213   | J         | 0.383   | 0.0383  | mg/Kg | 1   | ✳   |   | 8270E  | Total/NA  |
| Nitrate as N           | 3.10    | J         | 3.31    | 0.959   | mg/Kg | 1   | ✳   |   | 9056A  | Soluble   |
| Arsenic                | 0.556   |           | 0.546   | 0.0487  | mg/Kg | 5   | ✳   |   | 6020B  | Total/NA  |
| Barium                 | 17.2    |           | 2.28    | 0.0129  | mg/Kg | 5   | ✳   |   | 6020B  | Total/NA  |
| Beryllium              | 0.0514  | J         | 0.455   | 0.0319  | mg/Kg | 5   | ✳   |   | 6020B  | Total/NA  |
| Chromium               | 5.00    |           | 0.910   | 0.188   | mg/Kg | 5   | ✳   |   | 6020B  | Total/NA  |
| Cobalt                 | 1.79    |           | 0.683   | 0.0258  | mg/Kg | 5   | ✳   |   | 6020B  | Total/NA  |
| Copper                 | 9.57    |           | 0.455   | 0.0473  | mg/Kg | 5   | ✳   |   | 6020B  | Total/NA  |
| Lead                   | 11.9    |           | 0.455   | 0.0537  | mg/Kg | 5   | ✳   |   | 6020B  | Total/NA  |
| Manganese              | 59.7    |           | 0.910   | 0.0560  | mg/Kg | 5   | ✳   |   | 6020B  | Total/NA  |
| Nickel                 | 6.18    |           | 0.910   | 0.0238  | mg/Kg | 5   | ✳   |   | 6020B  | Total/NA  |
| Silver                 | 0.0244  | J         | 0.228   | 0.00264 | mg/Kg | 5   | ✳   |   | 6020B  | Total/NA  |
| Vanadium               | 9.00    |           | 0.910   | 0.114   | mg/Kg | 5   | ✳   |   | 6020B  | Total/NA  |
| Zinc                   | 36.9    |           | 2.28    | 1.89    | mg/Kg | 5   | ✳   |   | 6020B  | Total/NA  |

This Detection Summary does not include radiochemical test results.

Eurofins Raleigh

# Detection Summary

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

Job ID: 752-38206-1

**Client Sample ID: SED-3**

**Lab Sample ID: 752-38206-3**

| Analyte                | Result | Qualifier | RL     | MDL     | Unit  | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|--------|---------|-------|---------|---|--------|-----------|
| Acetone                | 0.0963 |           | 0.0761 | 0.0365  | mg/Kg | 1       | ✳ | 8260D  | Total/NA  |
| Benzo[a]anthracene     | 0.0561 | J         | 0.341  | 0.0341  | mg/Kg | 1       | ✳ | 8270E  | Total/NA  |
| Benzo[a]pyrene         | 0.0679 | J         | 0.341  | 0.0341  | mg/Kg | 1       | ✳ | 8270E  | Total/NA  |
| Benzo[b]fluoranthene   | 0.118  | J         | 0.341  | 0.00145 | mg/Kg | 1       | ✳ | 8270E  | Total/NA  |
| Benzo[g,h,i]perylene   | 0.0694 | J         | 0.341  | 0.0341  | mg/Kg | 1       | ✳ | 8270E  | Total/NA  |
| Benzo[k]fluoranthene   | 0.0386 | J         | 0.341  | 0.0341  | mg/Kg | 1       | ✳ | 8270E  | Total/NA  |
| Caprolactam            | 0.103  | J         | 0.341  | 0.0341  | mg/Kg | 1       | ✳ | 8270E  | Total/NA  |
| Chrysene               | 0.0869 | J         | 0.341  | 0.0341  | mg/Kg | 1       | ✳ | 8270E  | Total/NA  |
| Fluoranthene           | 0.122  | J         | 0.341  | 0.0341  | mg/Kg | 1       | ✳ | 8270E  | Total/NA  |
| Indeno[1,2,3-cd]pyrene | 0.0614 | J         | 0.341  | 0.0341  | mg/Kg | 1       | ✳ | 8270E  | Total/NA  |
| Phenanthrene           | 0.0579 | J         | 0.341  | 0.0341  | mg/Kg | 1       | ✳ | 8270E  | Total/NA  |
| Pyrene                 | 0.124  | J         | 0.341  | 0.0341  | mg/Kg | 1       | ✳ | 8270E  | Total/NA  |
| Nitrate as N           | 1.84   | J         | 3.06   | 0.886   | mg/Kg | 1       | ✳ | 9056A  | Soluble   |
| Sulfate                | 17.0   |           | 12.2   | 12.0    | mg/Kg | 1       | ✳ | 9056A  | Soluble   |
| Arsenic                | 0.607  |           | 0.475  | 0.0423  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Barium                 | 13.0   | F2 F1     | 1.98   | 0.0112  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Beryllium              | 0.0726 | J         | 0.396  | 0.0277  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Cadmium                | 0.0742 | J         | 0.396  | 0.0129  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Chromium               | 7.23   | F1        | 0.791  | 0.163   | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Cobalt                 | 1.62   |           | 0.593  | 0.0224  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Copper                 | 12.2   | F1        | 0.396  | 0.0411  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Lead                   | 14.9   |           | 0.396  | 0.0467  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Manganese              | 74.6   |           | 0.791  | 0.0487  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Nickel                 | 7.42   | F1        | 0.791  | 0.0207  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Silver                 | 0.0267 | J         | 0.198  | 0.00229 | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Vanadium               | 9.00   | F1        | 0.791  | 0.0993  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Zinc                   | 36.9   |           | 1.98   | 1.64    | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |

**Client Sample ID: SED-4**

**Lab Sample ID: 752-38206-4**

| Analyte              | Result | Qualifier | RL     | MDL     | Unit  | Dil Fac | D | Method | Prep Type |
|----------------------|--------|-----------|--------|---------|-------|---------|---|--------|-----------|
| Acetone              | 0.0202 | J         | 0.0282 | 0.0135  | mg/Kg | 1       | ✳ | 8260D  | Total/NA  |
| Benzaldehyde         | 0.0759 | J         | 0.382  | 0.0382  | mg/Kg | 1       | ✳ | 8270E  | Total/NA  |
| Benzo[b]fluoranthene | 0.0474 | J         | 0.382  | 0.00162 | mg/Kg | 1       | ✳ | 8270E  | Total/NA  |
| Chrysene             | 0.0421 | J         | 0.382  | 0.0382  | mg/Kg | 1       | ✳ | 8270E  | Total/NA  |
| Fluoranthene         | 0.0692 | J         | 0.382  | 0.0382  | mg/Kg | 1       | ✳ | 8270E  | Total/NA  |
| Phenanthrene         | 0.0385 | J         | 0.382  | 0.0382  | mg/Kg | 1       | ✳ | 8270E  | Total/NA  |
| Pyrene               | 0.0636 | J         | 0.382  | 0.0382  | mg/Kg | 1       | ✳ | 8270E  | Total/NA  |
| Nitrate as N         | 2.12   | J         | 3.20   | 0.929   | mg/Kg | 1       | ✳ | 9056A  | Soluble   |
| Sulfate              | 21.1   |           | 12.8   | 12.6    | mg/Kg | 1       | ✳ | 9056A  | Soluble   |
| Arsenic              | 0.625  |           | 0.573  | 0.0511  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Barium               | 11.2   |           | 2.39   | 0.0135  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Beryllium            | 0.0778 | J         | 0.477  | 0.0335  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Cadmium              | 0.0554 | J         | 0.477  | 0.0156  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Chromium             | 6.12   |           | 0.954  | 0.197   | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Cobalt               | 1.75   |           | 0.716  | 0.0270  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Copper               | 5.80   |           | 0.477  | 0.0496  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Lead                 | 18.5   |           | 0.477  | 0.0563  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Manganese            | 66.7   |           | 0.954  | 0.0587  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Nickel               | 3.44   |           | 0.954  | 0.0250  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Silver               | 0.0217 | J         | 0.239  | 0.00277 | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |

This Detection Summary does not include radiochemical test results.

Eurofins Raleigh

# Detection Summary

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

Job ID: 752-38206-1

## Client Sample ID: SED-4 (Continued)

Lab Sample ID: 752-38206-4

| Analyte  | Result | Qualifier | RL    | MDL   | Unit  | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|-------|-------|-------|---------|---|--------|-----------|
| Vanadium | 10.8   |           | 0.954 | 0.120 | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Zinc     | 39.2   |           | 2.39  | 1.98  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |

## Client Sample ID: SED-5

Lab Sample ID: 752-38206-5

| Analyte                | Result  | Qualifier | RL      | MDL     | Unit  | Dil Fac | D | Method | Prep Type |
|------------------------|---------|-----------|---------|---------|-------|---------|---|--------|-----------|
| Acetone                | 0.0257  | J         | 0.0273  | 0.0131  | mg/Kg | 1       | ✳ | 8260D  | Total/NA  |
| Toluene                | 0.00187 | J         | 0.00546 | 0.00109 | mg/Kg | 1       | ✳ | 8260D  | Total/NA  |
| Acenaphthylene         | 0.0877  | J         | 0.375   | 0.0375  | mg/Kg | 1       | ✳ | 8270E  | Total/NA  |
| Anthracene             | 0.0379  | J         | 0.375   | 0.0375  | mg/Kg | 1       | ✳ | 8270E  | Total/NA  |
| Benzo[a]anthracene     | 0.380   |           | 0.375   | 0.0375  | mg/Kg | 1       | ✳ | 8270E  | Total/NA  |
| Benzo[a]pyrene         | 0.411   |           | 0.375   | 0.0375  | mg/Kg | 1       | ✳ | 8270E  | Total/NA  |
| Benzo[b]fluoranthene   | 0.561   |           | 0.375   | 0.00159 | mg/Kg | 1       | ✳ | 8270E  | Total/NA  |
| Benzo[g,h,i]perylene   | 0.264   | J         | 0.375   | 0.0375  | mg/Kg | 1       | ✳ | 8270E  | Total/NA  |
| Benzo[k]fluoranthene   | 0.189   | J         | 0.375   | 0.0375  | mg/Kg | 1       | ✳ | 8270E  | Total/NA  |
| Chrysene               | 0.476   |           | 0.375   | 0.0375  | mg/Kg | 1       | ✳ | 8270E  | Total/NA  |
| Dibenz(a,h)anthracene  | 0.0817  | J         | 0.375   | 0.0375  | mg/Kg | 1       | ✳ | 8270E  | Total/NA  |
| Fluoranthene           | 0.510   |           | 0.375   | 0.0375  | mg/Kg | 1       | ✳ | 8270E  | Total/NA  |
| Indeno[1,2,3-cd]pyrene | 0.254   | J         | 0.375   | 0.0375  | mg/Kg | 1       | ✳ | 8270E  | Total/NA  |
| Phenanthrene           | 0.193   | J         | 0.375   | 0.0375  | mg/Kg | 1       | ✳ | 8270E  | Total/NA  |
| Pyrene                 | 0.569   |           | 0.375   | 0.0375  | mg/Kg | 1       | ✳ | 8270E  | Total/NA  |
| Nitrate as N           | 2.12    | J         | 3.25    | 0.942   | mg/Kg | 1       | ✳ | 9056A  | Soluble   |
| Arsenic                | 0.711   |           | 0.516   | 0.0460  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Barium                 | 10.1    |           | 2.15    | 0.0122  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Beryllium              | 0.0810  | J         | 0.430   | 0.0301  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Cadmium                | 0.0604  | J         | 0.430   | 0.0140  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Chromium               | 4.07    |           | 0.860   | 0.177   | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Cobalt                 | 1.65    |           | 0.645   | 0.0243  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Copper                 | 6.27    |           | 0.430   | 0.0447  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Lead                   | 13.5    |           | 0.430   | 0.0507  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Manganese              | 53.7    |           | 0.860   | 0.0529  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Nickel                 | 5.29    |           | 0.860   | 0.0225  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Silver                 | 0.0262  | J         | 0.215   | 0.00249 | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Vanadium               | 7.88    |           | 0.860   | 0.108   | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Zinc                   | 32.9    |           | 2.15    | 1.78    | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |

## Client Sample ID: SED-6

Lab Sample ID: 752-38206-6

| Analyte              | Result  | Qualifier | RL      | MDL     | Unit  | Dil Fac | D | Method | Prep Type |
|----------------------|---------|-----------|---------|---------|-------|---------|---|--------|-----------|
| Acetone              | 0.0519  |           | 0.0296  | 0.0142  | mg/Kg | 1       | ✳ | 8260D  | Total/NA  |
| Toluene              | 0.00156 | J         | 0.00592 | 0.00118 | mg/Kg | 1       | ✳ | 8260D  | Total/NA  |
| Benzo[b]fluoranthene | 0.0217  | J         | 0.422   | 0.00179 | mg/Kg | 1       | ✳ | 8270E  | Total/NA  |
| Caprolactam          | 0.0587  | J         | 0.422   | 0.0422  | mg/Kg | 1       | ✳ | 8270E  | Total/NA  |
| Nitrate as N         | 2.66    | J         | 3.37    | 0.978   | mg/Kg | 1       | ✳ | 9056A  | Soluble   |
| Antimony             | 0.289   | J         | 0.969   | 0.221   | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Arsenic              | 0.616   |           | 0.581   | 0.0518  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Barium               | 14.6    |           | 2.42    | 0.0137  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Beryllium            | 0.0557  | J         | 0.484   | 0.0340  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Cadmium              | 0.0869  | J         | 0.484   | 0.0158  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Chromium             | 5.65    |           | 0.969   | 0.200   | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Cobalt               | 1.57    |           | 0.727   | 0.0274  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Copper               | 8.65    |           | 0.484   | 0.0504  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |

This Detection Summary does not include radiochemical test results.

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# Detection Summary

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

Job ID: 752-38206-1

## Client Sample ID: SED-6 (Continued)

Lab Sample ID: 752-38206-6

| Analyte   | Result | Qualifier | RL    | MDL     | Unit  | Dil Fac | D | Method | Prep Type |
|-----------|--------|-----------|-------|---------|-------|---------|---|--------|-----------|
| Lead      | 27.0   |           | 0.484 | 0.0572  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Manganese | 83.1   |           | 0.969 | 0.0596  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Nickel    | 3.83   |           | 0.969 | 0.0253  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Silver    | 0.0174 | J         | 0.242 | 0.00281 | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Vanadium  | 8.27   |           | 0.969 | 0.122   | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Zinc      | 57.6   |           | 2.42  | 2.01    | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |

## Client Sample ID: SED-7

Lab Sample ID: 752-38206-7

| Analyte                | Result  | Qualifier | RL      | MDL     | Unit  | Dil Fac | D | Method | Prep Type |
|------------------------|---------|-----------|---------|---------|-------|---------|---|--------|-----------|
| Acetone                | 0.0296  |           | 0.0293  | 0.0141  | mg/Kg | 1       | ✳ | 8260D  | Total/NA  |
| Toluene                | 0.00250 | J         | 0.00586 | 0.00117 | mg/Kg | 1       | ✳ | 8260D  | Total/NA  |
| Benzo[a]anthracene     | 0.0368  | J         | 0.356   | 0.0356  | mg/Kg | 1       | ✳ | 8270E  | Total/NA  |
| Benzo[a]pyrene         | 0.0554  | J         | 0.356   | 0.0356  | mg/Kg | 1       | ✳ | 8270E  | Total/NA  |
| Benzo[b]fluoranthene   | 0.0795  | J         | 0.356   | 0.00151 | mg/Kg | 1       | ✳ | 8270E  | Total/NA  |
| Benzo[g,h,i]perylene   | 0.0483  | J         | 0.356   | 0.0356  | mg/Kg | 1       | ✳ | 8270E  | Total/NA  |
| Chrysene               | 0.0503  | J         | 0.356   | 0.0356  | mg/Kg | 1       | ✳ | 8270E  | Total/NA  |
| Fluoranthene           | 0.0801  | J         | 0.356   | 0.0356  | mg/Kg | 1       | ✳ | 8270E  | Total/NA  |
| Indeno[1,2,3-cd]pyrene | 0.0467  | J         | 0.356   | 0.0356  | mg/Kg | 1       | ✳ | 8270E  | Total/NA  |
| Pyrene                 | 0.0671  | J         | 0.356   | 0.0356  | mg/Kg | 1       | ✳ | 8270E  | Total/NA  |
| Nitrate as N           | 2.58    | J         | 3.22    | 0.933   | mg/Kg | 1       | ✳ | 9056A  | Soluble   |
| Arsenic                | 0.427   | J         | 0.470   | 0.0419  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Barium                 | 9.81    |           | 1.96    | 0.0111  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Beryllium              | 0.0457  | J         | 0.392   | 0.0275  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Cadmium                | 0.0457  | J         | 0.392   | 0.0128  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Chromium               | 4.41    |           | 0.784   | 0.162   | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Cobalt                 | 1.06    |           | 0.588   | 0.0222  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Copper                 | 5.26    |           | 0.392   | 0.0408  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Lead                   | 13.7    |           | 0.392   | 0.0463  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Manganese              | 64.5    |           | 0.784   | 0.0482  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Nickel                 | 2.40    |           | 0.784   | 0.0205  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Silver                 | 0.0192  | J         | 0.196   | 0.00227 | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Vanadium               | 6.42    |           | 0.784   | 0.0984  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Zinc                   | 28.5    |           | 1.96    | 1.63    | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |

## Client Sample ID: 101625-Dup-SED

Lab Sample ID: 752-38206-8

| Analyte              | Result | Qualifier | RL    | MDL     | Unit  | Dil Fac | D | Method | Prep Type |
|----------------------|--------|-----------|-------|---------|-------|---------|---|--------|-----------|
| Benzo[b]fluoranthene | 0.0320 | J         | 0.420 | 0.00178 | mg/Kg | 1       | ✳ | 8270E  | Total/NA  |
| Caprolactam          | 0.0754 | J         | 0.420 | 0.0420  | mg/Kg | 1       | ✳ | 8270E  | Total/NA  |
| Nitrate as N         | 1.85   | J         | 3.41  | 0.988   | mg/Kg | 1       | ✳ | 9056A  | Soluble   |
| Sulfate              | 24.3   |           | 13.6  | 13.4    | mg/Kg | 1       | ✳ | 9056A  | Soluble   |
| Arsenic              | 0.557  |           | 0.522 | 0.0466  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Barium               | 9.18   |           | 2.18  | 0.0123  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Beryllium            | 0.0411 | J         | 0.435 | 0.0305  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Cadmium              | 0.0736 | J         | 0.435 | 0.0142  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Chromium             | 4.69   |           | 0.870 | 0.179   | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Cobalt               | 2.12   |           | 0.653 | 0.0246  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Copper               | 7.89   |           | 0.435 | 0.0453  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Lead                 | 9.57   |           | 0.435 | 0.0514  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Manganese            | 68.2   |           | 0.870 | 0.0535  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Nickel               | 7.10   |           | 0.870 | 0.0228  | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |

This Detection Summary does not include radiochemical test results.

Eurofins Raleigh

# Detection Summary

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

Job ID: 752-38206-1

## Client Sample ID: 101625-Dup-SED (Continued)

Lab Sample ID: 752-38206-8

| Analyte  | Result | Qualifier | RL    | MDL     | Unit  | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|-------|---------|-------|---------|---|--------|-----------|
| Silver   | 0.0239 | J         | 0.218 | 0.00252 | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Vanadium | 8.42   |           | 0.870 | 0.109   | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |
| Zinc     | 33.2   |           | 2.18  | 1.81    | mg/Kg | 5       | ✳ | 6020B  | Total/NA  |

## Client Sample ID: Trip Blank

Lab Sample ID: 752-38206-9

No Detections.

This Detection Summary does not include radiochemical test results.

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# Client Sample Results

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

Job ID: 752-38206-1

**Client Sample ID: SED-1**

**Lab Sample ID: 752-38206-1**

Date Collected: 10/16/25 09:50

Matrix: Solid

Date Received: 10/16/25 15:00

Percent Solids: 79.2

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

| Analyte                     | Result | Qualifier | RL      | MDL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|---------|----------|-------|---|----------------|----------------|---------|
| Acetone                     | 0.0209 | J         | 0.0328  | 0.0157   | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| Benzene                     | ND     |           | 0.00655 | 0.000878 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| Bromobenzene                | ND     |           | 0.00655 | 0.00170  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| Chlorobromomethane          | ND     |           | 0.00655 | 0.00106  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| Dichlorobromomethane        | ND     |           | 0.00655 | 0.00121  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| Bromoform                   | ND     |           | 0.00655 | 0.00170  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| Bromomethane                | ND     |           | 0.00655 | 0.00328  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| 2-Butanone (MEK)            | ND     |           | 0.0328  | 0.00786  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| n-Butylbenzene              | ND     |           | 0.00655 | 0.00126  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| sec-Butylbenzene            | ND     |           | 0.00655 | 0.00124  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| tert-Butylbenzene           | ND     |           | 0.00655 | 0.00144  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| Carbon disulfide            | ND     |           | 0.00655 | 0.00332  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| Carbon tetrachloride        | ND     |           | 0.00655 | 0.00223  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| Chlorobenzene               | ND     |           | 0.00655 | 0.00173  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| Chloroethane                | ND     |           | 0.00655 | 0.00432  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| Chloroform                  | ND     |           | 0.00655 | 0.00178  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| Chloromethane               | ND     |           | 0.00655 | 0.00290  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| 2-Chlorotoluene             | ND     |           | 0.00655 | 0.00218  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| 4-Chlorotoluene             | ND     |           | 0.00655 | 0.00128  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| Chlorodibromomethane        | ND     |           | 0.00655 | 0.00157  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND     | *1        | 0.00655 | 0.00432  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| Ethylene Dibromide          | ND     |           | 0.00655 | 0.00131  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| Dibromomethane              | ND     |           | 0.00655 | 0.00109  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| 1,2-Dichlorobenzene         | ND     |           | 0.00655 | 0.00208  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| 1,3-Dichlorobenzene         | ND     |           | 0.00655 | 0.00124  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| 1,4-Dichlorobenzene         | ND     |           | 0.00655 | 0.00113  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| trans-1,4-Dichloro-2-butene | ND     |           | 0.00655 | 0.00328  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| 1,1-Dichloroethane          | ND     |           | 0.00655 | 0.00109  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| 1,2-Dichloroethane          | ND     |           | 0.00655 | 0.00241  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 0.00655 | 0.000996 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| trans-1,2-Dichloroethene    | ND     |           | 0.00655 | 0.00126  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| 1,1-Dichloroethene          | ND     |           | 0.00655 | 0.00275  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| 1,2-Dichloropropane         | ND     |           | 0.00655 | 0.000996 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| 1,3-Dichloropropane         | ND     | *+        | 0.00655 | 0.00131  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| 2,2-Dichloropropane         | ND     |           | 0.00655 | 0.00144  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| 1,1-Dichloropropene         | ND     |           | 0.00655 | 0.00109  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.00655 | 0.00157  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| trans-1,3-Dichloropropene   | ND     | *+        | 0.00655 | 0.00144  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| Ethylbenzene                | ND     |           | 0.00655 | 0.000799 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| Hexachlorobutadiene         | ND     | *1        | 0.00655 | 0.00328  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| 2-Hexanone                  | ND     | *+        | 0.0328  | 0.00655  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| Iodomethane                 | ND     |           | 0.00655 | 0.00446  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| Isopropylbenzene            | ND     |           | 0.00655 | 0.000891 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| 4-Isopropyltoluene          | ND     |           | 0.00655 | 0.00131  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| Methylene Chloride          | ND     |           | 0.0197  | 0.0131   | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     |           | 0.0328  | 0.0176   | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| Methyl tert-butyl ether     | ND     |           | 0.00655 | 0.00131  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| Naphthalene                 | ND     | *1        | 0.00655 | 0.00393  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| N-Propylbenzene             | ND     |           | 0.00655 | 0.00118  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |

Eurofins Raleigh

# Client Sample Results

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

Job ID: 752-38206-1

**Client Sample ID: SED-1**

**Lab Sample ID: 752-38206-1**

**Date Collected: 10/16/25 09:50**

**Matrix: Solid**

**Date Received: 10/16/25 15:00**

**Percent Solids: 79.2**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

| Analyte                               | Result         | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------------|----------------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Styrene                               | ND             |           | 0.00655 | 0.00131 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| 1,1,1,2-Tetrachloroethane             | ND             |           | 0.00655 | 0.00144 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND             |           | 0.00655 | 0.00225 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| Tetrachloroethene                     | ND             |           | 0.00655 | 0.00393 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| <b>Toluene</b>                        | <b>0.00167</b> | <b>J</b>  | 0.00655 | 0.00131 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| 1,2,3-Trichlorobenzene                | ND             | *1        | 0.00655 | 0.00144 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| 1,2,4-Trichlorobenzene                | ND             | *1        | 0.00655 | 0.00263 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| 1,1,1-Trichloroethane                 | ND             |           | 0.00655 | 0.00144 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| 1,1,2-Trichloroethane                 | ND             | *+        | 0.00655 | 0.00211 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| Trichloroethene                       | ND             |           | 0.00655 | 0.00131 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| Trichlorofluoromethane                | ND             |           | 0.00655 | 0.00317 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| 1,2,3-Trichloropropane                | ND             |           | 0.00655 | 0.00273 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND             |           | 0.00655 | 0.00246 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| 1,2,4-Trimethylbenzene                | ND             |           | 0.00655 | 0.00131 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| 1,3,5-Trimethylbenzene                | ND             |           | 0.00655 | 0.00109 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| Vinyl acetate                         | ND             |           | 0.0328  | 0.00836 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| Vinyl chloride                        | ND             |           | 0.00655 | 0.00286 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| o-Xylene                              | ND             |           | 0.00655 | 0.00393 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| m-Xylene & p-Xylene                   | ND             |           | 0.00655 | 0.00393 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| Xylenes, Total                        | ND             |           | 0.0131  | 0.00786 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| Isopropyl ether                       | ND             | *+        | 0.00655 | 0.00181 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| Hexane                                | ND             |           | 0.00655 | 0.00341 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| n-Heptane                             | ND             |           | 0.00655 | 0.00379 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| Ethyl acetate                         | ND             |           | 0.0262  | 0.00655 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 21:59 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene         | 86        |           | 50 - 150 | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| Dibromofluoromethane         | 94        |           | 50 - 150 | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| Toluene-d8 (Surr)            | 100       |           | 50 - 150 | 10/22/25 15:18 | 10/22/25 21:59 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 107       |           | 50 - 150 | 10/22/25 15:18 | 10/22/25 21:59 | 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     | F1        | 0.00292 | 0.00292 | mg/Kg | ☼ | 10/20/25 13:25 | 10/22/25 15:51 | 2       |

| Isotope Dilution | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Dioxane-d8   | 52        |           | 10 - 150 | 10/20/25 13:25 | 10/22/25 15:51 | 2       |

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

| Analyte               | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| 1,1'-Biphenyl         | ND     |           | 0.373 | 0.0109 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| 2,4,5-Trichlorophenol | ND     | *+ F1     | 0.373 | 0.0373 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| 2,4,6-Trichlorophenol | ND     | F1        | 0.373 | 0.0373 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| 2,4-Dichlorophenol    | ND     |           | 0.373 | 0.0373 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| 2,4-Dimethylphenol    | ND     |           | 0.373 | 0.0373 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| 2,4-Dinitrophenol     | ND     |           | 1.12  | 0.0373 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| 2,4-Dinitrotoluene    | ND     | *+ F1     | 0.373 | 0.0373 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| 2,6-Dinitrotoluene    | ND     | *+ F1     | 0.373 | 0.0373 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| 2-Chloronaphthalene   | ND     | *+ F1     | 0.373 | 0.0373 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| 2-Chlorophenol        | ND     |           | 0.373 | 0.0373 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| 2-Methylnaphthalene   | ND     |           | 0.373 | 0.0373 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |

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# Client Sample Results

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

Job ID: 752-38206-1

**Client Sample ID: SED-1**

**Lab Sample ID: 752-38206-1**

**Date Collected: 10/16/25 09:50**

**Matrix: Solid**

**Date Received: 10/16/25 15:00**

**Percent Solids: 79.2**

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

| Analyte                       | Result        | Qualifier   | RL    | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|---------------|-------------|-------|---------|-------|---|----------------|----------------|---------|
| 2-Methylphenol                | ND            | *+          | 0.373 | 0.0373  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| 2-Nitroaniline                | ND            | F1          | 0.373 | 0.0373  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| 2-Nitrophenol                 | ND            |             | 0.373 | 0.0373  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| 3 & 4 Methylphenol            | ND            | F1          | 0.747 | 0.0373  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| 3,3'-Dichlorobenzidine        | ND            |             | 0.373 | 0.0373  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| 3-Nitroaniline                | ND            | F1          | 0.373 | 0.0373  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND            | F1          | 0.373 | 0.0373  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| 4-Bromophenyl phenyl ether    | ND            | *+ F1       | 0.373 | 0.0373  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| 4-Chloro-3-methylphenol       | ND            |             | 0.373 | 0.0373  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| 4-Chloroaniline               | ND            |             | 0.373 | 0.0373  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| 4-Chlorophenyl phenyl ether   | ND            | *+ F1       | 0.373 | 0.0373  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| 4-Nitroaniline                | ND            | F1          | 0.373 | 0.0373  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| 4-Nitrophenol                 | ND            | *+ F1       | 0.373 | 0.0373  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| Acenaphthene                  | ND            | F1          | 0.373 | 0.0373  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| Acenaphthylene                | ND            |             | 0.373 | 0.0373  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| Acetophenone                  | ND            | *+ F1       | 0.373 | 0.0373  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| Anthracene                    | ND            |             | 0.373 | 0.0373  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| Atrazine                      | ND            |             | 0.373 | 0.0373  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| Benzaldehyde                  | ND            |             | 0.373 | 0.0373  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| Benzo[a]anthracene            | ND            |             | 0.373 | 0.0373  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| Benzo[a]pyrene                | ND            | F1          | 0.373 | 0.0373  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| <b>Benzo[b]fluoranthene</b>   | <b>0.0471</b> | <b>J F1</b> | 0.373 | 0.00158 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| Benzo[g,h,i]perylene          | ND            | F1          | 0.373 | 0.0373  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| Benzo[k]fluoranthene          | ND            | F1          | 0.373 | 0.0373  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| bis (2-chloroisopropyl) ether | ND            | *+          | 0.373 | 0.0373  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| Bis(2-chloroethoxy)methane    | ND            |             | 0.373 | 0.0373  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| Bis(2-chloroethyl)ether       | ND            | *+          | 0.373 | 0.0373  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND            |             | 0.373 | 0.113   | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| Butyl benzyl phthalate        | ND            | F1          | 0.373 | 0.0373  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| Caprolactam                   | ND            |             | 0.373 | 0.0373  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| Carbazole                     | ND            | F1          | 0.373 | 0.0373  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| Chrysene                      | ND            |             | 0.373 | 0.0373  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| Dibenz(a,h)anthracene         | ND            | F1          | 0.373 | 0.0373  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| Dibenzofuran                  | ND            | *+ F1       | 0.373 | 0.0373  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| Diethyl phthalate             | ND            |             | 0.373 | 0.0373  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| Dimethyl phthalate            | ND            |             | 0.373 | 0.0373  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| Di-n-butyl phthalate          | ND            |             | 1.12  | 0.339   | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| Di-n-octyl phthalate          | ND            | F1          | 0.373 | 0.0373  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| <b>Fluoranthene</b>           | <b>0.0483</b> | <b>J</b>    | 0.373 | 0.0373  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| Fluorene                      | ND            |             | 0.373 | 0.0373  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| Hexachlorobenzene             | ND            | *+ F1       | 0.373 | 0.0373  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| Hexachlorobutadiene           | ND            |             | 0.373 | 0.0373  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| Hexachlorocyclopentadiene     | ND            |             | 0.373 | 0.0373  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| Hexachloroethane              | ND            |             | 0.373 | 0.0373  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| Indeno[1,2,3-cd]pyrene        | ND            | F1          | 0.373 | 0.0373  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| Isophorone                    | ND            |             | 0.373 | 0.0373  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| Naphthalene                   | ND            |             | 0.373 | 0.0373  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| Nitrobenzene                  | ND            |             | 0.373 | 0.0373  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| N-Nitrosodi-n-propylamine     | ND            |             | 0.373 | 0.0373  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |

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# Client Sample Results

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

Job ID: 752-38206-1

**Client Sample ID: SED-1**

**Lab Sample ID: 752-38206-1**

Date Collected: 10/16/25 09:50

Matrix: Solid

Date Received: 10/16/25 15:00

Percent Solids: 79.2

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

| Analyte                | Result        | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|---------------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| N-Nitrosodiphenylamine | ND            | F1        | 0.373 | 0.0373 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| Pentachlorophenol      | ND            | *+        | 0.373 | 0.0373 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| Phenanthrene           | ND            |           | 0.373 | 0.0373 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| Phenol                 | ND            |           | 0.373 | 0.0373 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| <b>Pyrene</b>          | <b>0.0494</b> | <b>J</b>  | 0.373 | 0.0373 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 15:57 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   |  |  |  | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|--|--|--|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 106       |           | 40 - 140 |  |  |  | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| 2-Fluorobiphenyl (Surr)     | 93        |           | 40 - 140 |  |  |  | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| 2-Fluorophenol (Surr)       | 104       |           | 40 - 140 |  |  |  | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| Nitrobenzene-d5 (Surr)      | 96        |           | 40 - 140 |  |  |  | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| Phenol-d5 (Surr)            | 105       |           | 40 - 140 |  |  |  | 10/20/25 12:54 | 10/23/25 15:57 | 1       |
| Terphenyl-d14 (Surr)        | 117       |           | 40 - 140 |  |  |  | 10/20/25 12:54 | 10/23/25 15:57 | 1       |

**Method: SW846 9056A - Anions, Ion Chromatography - Soluble**

| Analyte             | Result      | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|---------------------|-------------|-----------|------|-------|-------|---|----------|----------------|---------|
| <b>Nitrate as N</b> | <b>1.88</b> | <b>J</b>  | 3.16 | 0.915 | mg/Kg | ☼ |          | 10/24/25 11:51 | 1       |
| <b>Sulfate</b>      | <b>28.8</b> |           | 12.6 | 12.4  | mg/Kg | ☼ |          | 10/24/25 11:51 | 1       |

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

| Analyte          | Result        | Qualifier | RL    | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------|---------------|-----------|-------|---------|-------|---|----------------|----------------|---------|
| Antimony         | ND            |           | 0.802 | 0.183   | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:08 | 5       |
| <b>Arsenic</b>   | <b>0.464</b>  | <b>J</b>  | 0.481 | 0.0429  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:08 | 5       |
| <b>Barium</b>    | <b>9.11</b>   |           | 2.00  | 0.0113  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:08 | 5       |
| <b>Beryllium</b> | <b>0.0569</b> | <b>J</b>  | 0.401 | 0.0281  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:08 | 5       |
| <b>Cadmium</b>   | <b>0.0527</b> | <b>J</b>  | 0.401 | 0.0131  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:08 | 5       |
| <b>Chromium</b>  | <b>5.04</b>   |           | 0.802 | 0.165   | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:08 | 5       |
| <b>Cobalt</b>    | <b>1.65</b>   |           | 0.601 | 0.0227  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:08 | 5       |
| <b>Copper</b>    | <b>9.65</b>   |           | 0.401 | 0.0417  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:08 | 5       |
| <b>Lead</b>      | <b>9.97</b>   |           | 0.401 | 0.0473  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:08 | 5       |
| <b>Manganese</b> | <b>63.1</b>   |           | 0.802 | 0.0493  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:08 | 5       |
| <b>Nickel</b>    | <b>5.55</b>   |           | 0.802 | 0.0210  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:08 | 5       |
| Selenium         | ND            |           | 2.00  | 0.142   | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:08 | 5       |
| <b>Silver</b>    | <b>0.0220</b> | <b>J</b>  | 0.200 | 0.00232 | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:08 | 5       |
| Thallium         | ND            |           | 0.561 | 0.0338  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:08 | 5       |
| <b>Vanadium</b>  | <b>7.28</b>   |           | 0.802 | 0.101   | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:08 | 5       |
| <b>Zinc</b>      | <b>44.7</b>   |           | 2.00  | 1.66    | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:08 | 5       |

**Method: SW846 7471B - Mercury (CVAA)**

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.125 | 0.0182 | mg/Kg | ☼ | 10/27/25 11:20 | 10/28/25 08:41 | 1       |

**General Chemistry**

| Analyte              | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Cr (VI) (SW846 7199) | ND     | F2        | 1.15 | 0.115 | mg/Kg | ☼ | 10/21/25 08:58 | 10/23/25 22:27 | 1       |

**General Chemistry - Soluble**

| Analyte                    | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------------------------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Ammonia (as N) (EPA 350.1) | ND     |           | 1.23 | 0.392 | mg/Kg | ☼ |          | 10/23/25 12:06 | 1       |

# Client Sample Results

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

Job ID: 752-38206-1

**Client Sample ID: SED-2**

**Lab Sample ID: 752-38206-2**

Date Collected: 10/16/25 10:25

Matrix: Solid

Date Received: 10/16/25 15:00

Percent Solids: 75.3

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

| Analyte                     | Result | Qualifier | RL      | MDL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|---------|----------|-------|---|----------------|----------------|---------|
| Acetone                     | 0.0421 |           | 0.0299  | 0.0144   | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| Benzene                     | ND     |           | 0.00598 | 0.000801 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| Bromobenzene                | ND     |           | 0.00598 | 0.00155  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| Chlorobromomethane          | ND     |           | 0.00598 | 0.000969 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| Dichlorobromomethane        | ND     |           | 0.00598 | 0.00110  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| Bromoform                   | ND     |           | 0.00598 | 0.00155  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| Bromomethane                | ND     |           | 0.00598 | 0.00299  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| 2-Butanone (MEK)            | ND     |           | 0.0299  | 0.00718  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| n-Butylbenzene              | ND     |           | 0.00598 | 0.00115  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| sec-Butylbenzene            | ND     |           | 0.00598 | 0.00114  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| tert-Butylbenzene           | ND     |           | 0.00598 | 0.00132  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| Carbon disulfide            | ND     |           | 0.00598 | 0.00303  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| Carbon tetrachloride        | ND     |           | 0.00598 | 0.00203  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| Chlorobenzene               | ND     |           | 0.00598 | 0.00158  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| Chloroethane                | ND     |           | 0.00598 | 0.00395  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| Chloroform                  | ND     |           | 0.00598 | 0.00163  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| Chloromethane               | ND     |           | 0.00598 | 0.00264  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| 2-Chlorotoluene             | ND     |           | 0.00598 | 0.00199  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| 4-Chlorotoluene             | ND     |           | 0.00598 | 0.00117  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| Chlorodibromomethane        | ND     |           | 0.00598 | 0.00144  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND     | *1        | 0.00598 | 0.00395  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| Ethylene Dibromide          | ND     |           | 0.00598 | 0.00120  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| Dibromomethane              | ND     |           | 0.00598 | 0.000993 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| 1,2-Dichlorobenzene         | ND     |           | 0.00598 | 0.00190  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| 1,3-Dichlorobenzene         | ND     |           | 0.00598 | 0.00114  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| 1,4-Dichlorobenzene         | ND     |           | 0.00598 | 0.00103  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| trans-1,4-Dichloro-2-butene | ND     |           | 0.00598 | 0.00299  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| 1,1-Dichloroethane          | ND     |           | 0.00598 | 0.000993 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| 1,2-Dichloroethane          | ND     |           | 0.00598 | 0.00220  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 0.00598 | 0.000909 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| trans-1,2-Dichloroethene    | ND     |           | 0.00598 | 0.00115  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| 1,1-Dichloroethene          | ND     |           | 0.00598 | 0.00251  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| 1,2-Dichloropropane         | ND     |           | 0.00598 | 0.000909 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| 1,3-Dichloropropane         | ND     | *+        | 0.00598 | 0.00120  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| 2,2-Dichloropropane         | ND     |           | 0.00598 | 0.00132  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| 1,1-Dichloropropene         | ND     |           | 0.00598 | 0.000993 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.00598 | 0.00144  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| trans-1,3-Dichloropropene   | ND     | *+        | 0.00598 | 0.00132  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| Ethylbenzene                | ND     |           | 0.00598 | 0.000730 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| Hexachlorobutadiene         | ND     | *1        | 0.00598 | 0.00299  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| 2-Hexanone                  | ND     | *+        | 0.0299  | 0.00598  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| Iodomethane                 | ND     |           | 0.00598 | 0.00407  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| Isopropylbenzene            | ND     |           | 0.00598 | 0.000813 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| 4-Isopropyltoluene          | ND     |           | 0.00598 | 0.00120  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| Methylene Chloride          | ND     |           | 0.0179  | 0.0120   | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     |           | 0.0299  | 0.0161   | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| Methyl tert-butyl ether     | ND     |           | 0.00598 | 0.00120  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| Naphthalene                 | ND     | *1        | 0.00598 | 0.00359  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| N-Propylbenzene             | ND     |           | 0.00598 | 0.00108  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |

Eurofins Raleigh

# Client Sample Results

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

Job ID: 752-38206-1

**Client Sample ID: SED-2**

**Lab Sample ID: 752-38206-2**

**Date Collected: 10/16/25 10:25**

**Matrix: Solid**

**Date Received: 10/16/25 15:00**

**Percent Solids: 75.3**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

| Analyte                               | Result         | Qualifier | RL      | MDL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------------|----------------|-----------|---------|----------|-------|---|----------------|----------------|---------|
| Styrene                               | ND             |           | 0.00598 | 0.00120  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| 1,1,1,2-Tetrachloroethane             | ND             |           | 0.00598 | 0.00132  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND             |           | 0.00598 | 0.00206  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| Tetrachloroethene                     | ND             |           | 0.00598 | 0.00359  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| <b>Toluene</b>                        | <b>0.00182</b> | <b>J</b>  | 0.00598 | 0.00120  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| 1,2,3-Trichlorobenzene                | ND             | *1        | 0.00598 | 0.00132  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| 1,2,4-Trichlorobenzene                | ND             | *1        | 0.00598 | 0.00240  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| 1,1,1-Trichloroethane                 | ND             |           | 0.00598 | 0.00132  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| 1,1,2-Trichloroethane                 | ND             | *+        | 0.00598 | 0.00193  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| Trichloroethene                       | ND             |           | 0.00598 | 0.00120  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| Trichlorofluoromethane                | ND             |           | 0.00598 | 0.00289  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| 1,2,3-Trichloropropane                | ND             |           | 0.00598 | 0.00249  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND             |           | 0.00598 | 0.00225  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| 1,2,4-Trimethylbenzene                | ND             |           | 0.00598 | 0.00120  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| 1,3,5-Trimethylbenzene                | ND             |           | 0.00598 | 0.000993 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| Vinyl acetate                         | ND             |           | 0.0299  | 0.00763  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| Vinyl chloride                        | ND             |           | 0.00598 | 0.00261  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| o-Xylene                              | ND             |           | 0.00598 | 0.00359  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| m-Xylene & p-Xylene                   | ND             |           | 0.00598 | 0.00359  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| Xylenes, Total                        | ND             |           | 0.0120  | 0.00718  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| Isopropyl ether                       | ND             | *+        | 0.00598 | 0.00165  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| Hexane                                | ND             |           | 0.00598 | 0.00311  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| n-Heptane                             | ND             |           | 0.00598 | 0.00346  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| Ethyl acetate                         | ND             |           | 0.0239  | 0.00598  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:20 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene         | 108       |           | 50 - 150 | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| Dibromofluoromethane         | 102       |           | 50 - 150 | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| Toluene-d8 (Surr)            | 129       |           | 50 - 150 | 10/22/25 15:18 | 10/22/25 22:20 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 121       |           | 50 - 150 | 10/22/25 15:18 | 10/22/25 22:20 | 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               |                  | 0.00305       | 0.00305         | mg/Kg           | ☼              | 10/20/25 13:25 | 10/22/25 16:12 | 2       |
| <b>Isotope Dilution</b> | <b>%Recovery</b> | <b>Qualifier</b> | <b>Limits</b> | <b>Prepared</b> | <b>Analyzed</b> | <b>Dil Fac</b> |                |                |         |
| 1,4-Dioxane-d8          | 45               |                  | 10 - 150      | 10/20/25 13:25  | 10/22/25 16:12  | 2              |                |                |         |

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

| Analyte               | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| 1,1'-Biphenyl         | ND     |           | 0.383 | 0.0111 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| 2,4,5-Trichlorophenol | ND     | *+        | 0.383 | 0.0383 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| 2,4,6-Trichlorophenol | ND     |           | 0.383 | 0.0383 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| 2,4-Dichlorophenol    | ND     |           | 0.383 | 0.0383 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| 2,4-Dimethylphenol    | ND     |           | 0.383 | 0.0383 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| 2,4-Dinitrophenol     | ND     |           | 1.15  | 0.0383 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| 2,4-Dinitrotoluene    | ND     | *+        | 0.383 | 0.0383 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| 2,6-Dinitrotoluene    | ND     | *+        | 0.383 | 0.0383 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| 2-Chloronaphthalene   | ND     | *+        | 0.383 | 0.0383 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| 2-Chlorophenol        | ND     |           | 0.383 | 0.0383 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| 2-Methylnaphthalene   | ND     |           | 0.383 | 0.0383 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |

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# Client Sample Results

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

Job ID: 752-38206-1

**Client Sample ID: SED-2**

**Lab Sample ID: 752-38206-2**

**Date Collected: 10/16/25 10:25**

**Matrix: Solid**

**Date Received: 10/16/25 15:00**

**Percent Solids: 75.3**

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

| Analyte                       | Result        | Qualifier | RL    | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|---------------|-----------|-------|---------|-------|---|----------------|----------------|---------|
| 2-Methylphenol                | ND            | *+        | 0.383 | 0.0383  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| 2-Nitroaniline                | ND            |           | 0.383 | 0.0383  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| 2-Nitrophenol                 | ND            |           | 0.383 | 0.0383  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| 3 & 4 Methylphenol            | ND            |           | 0.766 | 0.0383  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| 3,3'-Dichlorobenzidine        | ND            |           | 0.383 | 0.0383  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| 3-Nitroaniline                | ND            |           | 0.383 | 0.0383  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND            |           | 0.383 | 0.0383  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| 4-Bromophenyl phenyl ether    | ND            | *+        | 0.383 | 0.0383  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| 4-Chloro-3-methylphenol       | ND            |           | 0.383 | 0.0383  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| 4-Chloroaniline               | ND            |           | 0.383 | 0.0383  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| 4-Chlorophenyl phenyl ether   | ND            | *+        | 0.383 | 0.0383  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| 4-Nitroaniline                | ND            |           | 0.383 | 0.0383  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| 4-Nitrophenol                 | ND            | *+        | 0.383 | 0.0383  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| Acenaphthene                  | ND            |           | 0.383 | 0.0383  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| Acenaphthylene                | ND            |           | 0.383 | 0.0383  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| Acetophenone                  | ND            | *+        | 0.383 | 0.0383  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| Anthracene                    | ND            |           | 0.383 | 0.0383  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| Atrazine                      | ND            |           | 0.383 | 0.0383  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| Benzaldehyde                  | ND            |           | 0.383 | 0.0383  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| <b>Benzo[a]anthracene</b>     | <b>0.0917</b> | <b>J</b>  | 0.383 | 0.0383  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| <b>Benzo[a]pyrene</b>         | <b>0.0859</b> | <b>J</b>  | 0.383 | 0.0383  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| <b>Benzo[b]fluoranthene</b>   | <b>0.154</b>  | <b>J</b>  | 0.383 | 0.00163 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| <b>Benzo[g,h,i]perylene</b>   | <b>0.0924</b> | <b>J</b>  | 0.383 | 0.0383  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| <b>Benzo[k]fluoranthene</b>   | <b>0.0484</b> | <b>J</b>  | 0.383 | 0.0383  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| bis (2-chloroisopropyl) ether | ND            | *+        | 0.383 | 0.0383  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| Bis(2-chloroethoxy)methane    | ND            |           | 0.383 | 0.0383  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| Bis(2-chloroethyl)ether       | ND            | *+        | 0.383 | 0.0383  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND            |           | 0.383 | 0.116   | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| Butyl benzyl phthalate        | ND            |           | 0.383 | 0.0383  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| <b>Caprolactam</b>            | <b>0.0685</b> | <b>J</b>  | 0.383 | 0.0383  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| Carbazole                     | ND            |           | 0.383 | 0.0383  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| <b>Chrysene</b>               | <b>0.130</b>  | <b>J</b>  | 0.383 | 0.0383  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| Dibenz(a,h)anthracene         | ND            |           | 0.383 | 0.0383  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| Dibenzofuran                  | ND            | *+        | 0.383 | 0.0383  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| Diethyl phthalate             | ND            |           | 0.383 | 0.0383  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| Dimethyl phthalate            | ND            |           | 0.383 | 0.0383  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| Di-n-butyl phthalate          | ND            |           | 1.15  | 0.348   | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| Di-n-octyl phthalate          | ND            |           | 0.383 | 0.0383  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| <b>Fluoranthene</b>           | <b>0.166</b>  | <b>J</b>  | 0.383 | 0.0383  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| Fluorene                      | ND            |           | 0.383 | 0.0383  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| Hexachlorobenzene             | ND            | *+        | 0.383 | 0.0383  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| Hexachlorobutadiene           | ND            |           | 0.383 | 0.0383  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| Hexachlorocyclopentadiene     | ND            |           | 0.383 | 0.0383  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| Hexachloroethane              | ND            |           | 0.383 | 0.0383  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| <b>Indeno[1,2,3-cd]pyrene</b> | <b>0.0692</b> | <b>J</b>  | 0.383 | 0.0383  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| Isophorone                    | ND            |           | 0.383 | 0.0383  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| Naphthalene                   | ND            |           | 0.383 | 0.0383  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| Nitrobenzene                  | ND            |           | 0.383 | 0.0383  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| N-Nitrosodi-n-propylamine     | ND            |           | 0.383 | 0.0383  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |

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# Client Sample Results

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

Job ID: 752-38206-1

**Client Sample ID: SED-2**

**Lab Sample ID: 752-38206-2**

Date Collected: 10/16/25 10:25

Matrix: Solid

Date Received: 10/16/25 15:00

Percent Solids: 75.3

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

| Analyte                     | Result       | Qualifier | RL       | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|-----------|----------|--------|-------|---|----------------|----------------|---------|
| N-Nitrosodiphenylamine      | ND           |           | 0.383    | 0.0383 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| Pentachlorophenol           | ND           | *+        | 0.383    | 0.0383 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| <b>Phenanthrene</b>         | <b>0.120</b> | <b>J</b>  | 0.383    | 0.0383 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| Phenol                      | ND           |           | 0.383    | 0.0383 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| <b>Pyrene</b>               | <b>0.213</b> | <b>J</b>  | 0.383    | 0.0383 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| Surrogate                   | %Recovery    | Qualifier | Limits   |        |       |   | Prepared       | Analyzed       | Dil Fac |
| 2,4,6-Tribromophenol (Surr) | 84           |           | 40 - 140 |        |       |   | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| 2-Fluorobiphenyl (Surr)     | 100          |           | 40 - 140 |        |       |   | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| 2-Fluorophenol (Surr)       | 109          |           | 40 - 140 |        |       |   | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| Nitrobenzene-d5 (Surr)      | 104          |           | 40 - 140 |        |       |   | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| Phenol-d5 (Surr)            | 104          |           | 40 - 140 |        |       |   | 10/20/25 12:54 | 10/23/25 16:27 | 1       |
| Terphenyl-d14 (Surr)        | 108          |           | 40 - 140 |        |       |   | 10/20/25 12:54 | 10/23/25 16:27 | 1       |

**Method: SW846 9056A - Anions, Ion Chromatography - Soluble**

| Analyte             | Result      | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|---------------------|-------------|-----------|------|-------|-------|---|----------|----------------|---------|
| <b>Nitrate as N</b> | <b>3.10</b> | <b>J</b>  | 3.31 | 0.959 | mg/Kg | ☼ |          | 10/24/25 12:25 | 1       |
| Sulfate             | ND          |           | 13.2 | 13.0  | mg/Kg | ☼ |          | 10/24/25 12:25 | 1       |

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

| Analyte          | Result        | Qualifier | RL    | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------|---------------|-----------|-------|---------|-------|---|----------------|----------------|---------|
| Antimony         | ND            |           | 0.910 | 0.208   | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:10 | 5       |
| <b>Arsenic</b>   | <b>0.556</b>  |           | 0.546 | 0.0487  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:10 | 5       |
| <b>Barium</b>    | <b>17.2</b>   |           | 2.28  | 0.0129  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:10 | 5       |
| <b>Beryllium</b> | <b>0.0514</b> | <b>J</b>  | 0.455 | 0.0319  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:10 | 5       |
| Cadmium          | ND            |           | 0.455 | 0.0148  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:10 | 5       |
| <b>Chromium</b>  | <b>5.00</b>   |           | 0.910 | 0.188   | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:10 | 5       |
| <b>Cobalt</b>    | <b>1.79</b>   |           | 0.683 | 0.0258  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:10 | 5       |
| <b>Copper</b>    | <b>9.57</b>   |           | 0.455 | 0.0473  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:10 | 5       |
| <b>Lead</b>      | <b>11.9</b>   |           | 0.455 | 0.0537  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:10 | 5       |
| <b>Manganese</b> | <b>59.7</b>   |           | 0.910 | 0.0560  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:10 | 5       |
| <b>Nickel</b>    | <b>6.18</b>   |           | 0.910 | 0.0238  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:10 | 5       |
| Selenium         | ND            |           | 2.28  | 0.162   | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:10 | 5       |
| <b>Silver</b>    | <b>0.0244</b> | <b>J</b>  | 0.228 | 0.00264 | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:10 | 5       |
| Thallium         | ND            |           | 0.637 | 0.0384  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:10 | 5       |
| <b>Vanadium</b>  | <b>9.00</b>   |           | 0.910 | 0.114   | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:10 | 5       |
| <b>Zinc</b>      | <b>36.9</b>   |           | 2.28  | 1.89    | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:10 | 5       |

**Method: SW846 7471B - Mercury (CVAA)**

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.131 | 0.0191 | mg/Kg | ☼ | 10/27/25 11:20 | 10/28/25 08:45 | 1       |

**General Chemistry**

| Analyte              | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Cr (VI) (SW846 7199) | ND     |           | 1.23 | 0.123 | mg/Kg | ☼ | 10/21/25 08:58 | 10/23/25 23:05 | 1       |

**General Chemistry - Soluble**

| Analyte                    | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------------------------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Ammonia (as N) (EPA 350.1) | ND     |           | 1.32 | 0.422 | mg/Kg | ☼ |          | 10/23/25 12:08 | 1       |

# Client Sample Results

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

Job ID: 752-38206-1

**Client Sample ID: SED-3**

**Lab Sample ID: 752-38206-3**

**Date Collected: 10/16/25 10:50**

**Matrix: Solid**

**Date Received: 10/16/25 15:00**

**Percent Solids: 81.3**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

| Analyte                     | Result | Qualifier | RL     | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|--------|---------|-------|---|----------------|----------------|---------|
| Acetone                     | 0.0963 |           | 0.0761 | 0.0365  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| Benzene                     | ND     |           | 0.0152 | 0.00204 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| Bromobenzene                | ND     |           | 0.0152 | 0.00396 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| Chlorobromomethane          | ND     |           | 0.0152 | 0.00246 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| Dichlorobromomethane        | ND     |           | 0.0152 | 0.00280 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| Bromoform                   | ND     |           | 0.0152 | 0.00396 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| Bromomethane                | ND     |           | 0.0152 | 0.00761 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| 2-Butanone (MEK)            | ND     |           | 0.0761 | 0.0183  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| n-Butylbenzene              | ND     |           | 0.0152 | 0.00292 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| sec-Butylbenzene            | ND     |           | 0.0152 | 0.00289 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| tert-Butylbenzene           | ND     |           | 0.0152 | 0.00335 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| Carbon disulfide            | ND     |           | 0.0152 | 0.00770 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| Carbon tetrachloride        | ND     |           | 0.0152 | 0.00517 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| Chlorobenzene               | ND     |           | 0.0152 | 0.00402 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| Chloroethane                | ND     |           | 0.0152 | 0.0100  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| Chloroform                  | ND     |           | 0.0152 | 0.00414 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| Chloromethane               | ND     |           | 0.0152 | 0.00673 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| 2-Chlorotoluene             | ND     |           | 0.0152 | 0.00505 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| 4-Chlorotoluene             | ND     |           | 0.0152 | 0.00298 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| Chlorodibromomethane        | ND     |           | 0.0152 | 0.00365 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND     | *1        | 0.0152 | 0.0100  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| Ethylene Dibromide          | ND     |           | 0.0152 | 0.00304 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| Dibromomethane              | ND     |           | 0.0152 | 0.00253 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| 1,2-Dichlorobenzene         | ND     |           | 0.0152 | 0.00484 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| 1,3-Dichlorobenzene         | ND     |           | 0.0152 | 0.00289 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| 1,4-Dichlorobenzene         | ND     |           | 0.0152 | 0.00262 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| trans-1,4-Dichloro-2-butene | ND     |           | 0.0152 | 0.00761 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| 1,1-Dichloroethane          | ND     |           | 0.0152 | 0.00253 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| 1,2-Dichloroethane          | ND     |           | 0.0152 | 0.00560 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 0.0152 | 0.00231 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| trans-1,2-Dichloroethene    | ND     |           | 0.0152 | 0.00292 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| 1,1-Dichloroethene          | ND     |           | 0.0152 | 0.00639 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| 1,2-Dichloropropane         | ND     |           | 0.0152 | 0.00231 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| 1,3-Dichloropropane         | ND     | *+        | 0.0152 | 0.00304 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| 2,2-Dichloropropane         | ND     |           | 0.0152 | 0.00335 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| 1,1-Dichloropropene         | ND     |           | 0.0152 | 0.00253 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.0152 | 0.00365 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| trans-1,3-Dichloropropene   | ND     | *+        | 0.0152 | 0.00335 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| Ethylbenzene                | ND     |           | 0.0152 | 0.00186 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| Hexachlorobutadiene         | ND     | *1        | 0.0152 | 0.00761 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| 2-Hexanone                  | ND     | *+        | 0.0761 | 0.0152  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| Iodomethane                 | ND     |           | 0.0152 | 0.0103  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| Isopropylbenzene            | ND     |           | 0.0152 | 0.00207 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| 4-Isopropyltoluene          | ND     |           | 0.0152 | 0.00304 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| Methylene Chloride          | ND     |           | 0.0456 | 0.0304  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     |           | 0.0761 | 0.0409  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| Methyl tert-butyl ether     | ND     |           | 0.0152 | 0.00304 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| Naphthalene                 | ND     | *1        | 0.0152 | 0.00913 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| N-Propylbenzene             | ND     |           | 0.0152 | 0.00274 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |

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# Client Sample Results

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

Job ID: 752-38206-1

**Client Sample ID: SED-3**

**Lab Sample ID: 752-38206-3**

Date Collected: 10/16/25 10:50

Matrix: Solid

Date Received: 10/16/25 15:00

Percent Solids: 81.3

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

| Analyte                               | Result | Qualifier | RL     | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|--------|---------|-------|---|----------------|----------------|---------|
| Styrene                               | ND     |           | 0.0152 | 0.00304 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.0152 | 0.00335 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.0152 | 0.00523 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| Tetrachloroethene                     | ND     |           | 0.0152 | 0.00913 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| Toluene                               | ND     |           | 0.0152 | 0.00304 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| 1,2,3-Trichlorobenzene                | ND     | *1        | 0.0152 | 0.00335 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| 1,2,4-Trichlorobenzene                | ND     | *1        | 0.0152 | 0.00612 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.0152 | 0.00335 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| 1,1,2-Trichloroethane                 | ND     | *+        | 0.0152 | 0.00490 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| Trichloroethene                       | ND     |           | 0.0152 | 0.00304 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| Trichlorofluoromethane                | ND     |           | 0.0152 | 0.00736 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.0152 | 0.00633 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.0152 | 0.00572 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.0152 | 0.00304 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.0152 | 0.00253 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| Vinyl acetate                         | ND     |           | 0.0761 | 0.0194  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| Vinyl chloride                        | ND     |           | 0.0152 | 0.00663 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| o-Xylene                              | ND     |           | 0.0152 | 0.00913 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| m-Xylene & p-Xylene                   | ND     |           | 0.0152 | 0.00913 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| Xylenes, Total                        | ND     |           | 0.0304 | 0.0183  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| Isopropyl ether                       | ND     | *+        | 0.0152 | 0.00420 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| Hexane                                | ND     |           | 0.0152 | 0.00791 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| n-Heptane                             | ND     |           | 0.0152 | 0.00879 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| Ethyl acetate                         | ND     |           | 0.0609 | 0.0152  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 22:40 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene         | 97        |           | 50 - 150 | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| Dibromofluoromethane         | 114       |           | 50 - 150 | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| Toluene-d8 (Surr)            | 102       |           | 50 - 150 | 10/22/25 15:18 | 10/22/25 22:40 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 144       |           | 50 - 150 | 10/22/25 15:18 | 10/22/25 22:40 | 1       |

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

| Analyte     | Result | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------|--------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| 1,4-Dioxane | ND     |           | 0.00141 | 0.00141 | mg/Kg | ☼ | 10/20/25 13:25 | 10/22/25 16:34 | 1       |

| Isotope Dilution | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Dioxane-d8   | 44        |           | 10 - 150 | 10/20/25 13:25 | 10/22/25 16:34 | 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     |           | 0.341 | 0.00992 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| 2,4,5-Trichlorophenol | ND     | *+        | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| 2,4,6-Trichlorophenol | ND     |           | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| 2,4-Dichlorophenol    | ND     |           | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| 2,4-Dimethylphenol    | ND     |           | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| 2,4-Dinitrophenol     | ND     |           | 1.02  | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| 2,4-Dinitrotoluene    | ND     | *+        | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| 2,6-Dinitrotoluene    | ND     | *+        | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| 2-Chloronaphthalene   | ND     | *+        | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| 2-Chlorophenol        | ND     |           | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| 2-Methylnaphthalene   | ND     |           | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |

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# Client Sample Results

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

Job ID: 752-38206-1

**Client Sample ID: SED-3**

**Lab Sample ID: 752-38206-3**

Date Collected: 10/16/25 10:50

Matrix: Solid

Date Received: 10/16/25 15:00

Percent Solids: 81.3

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

| Analyte                       | Result        | Qualifier | RL    | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|---------------|-----------|-------|---------|-------|---|----------------|----------------|---------|
| 2-Methylphenol                | ND            | *+        | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| 2-Nitroaniline                | ND            |           | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| 2-Nitrophenol                 | ND            |           | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| 3 & 4 Methylphenol            | ND            |           | 0.682 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| 3,3'-Dichlorobenzidine        | ND            |           | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| 3-Nitroaniline                | ND            |           | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND            |           | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| 4-Bromophenyl phenyl ether    | ND            | *+        | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| 4-Chloro-3-methylphenol       | ND            |           | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| 4-Chloroaniline               | ND            |           | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| 4-Chlorophenyl phenyl ether   | ND            | *+        | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| 4-Nitroaniline                | ND            |           | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| 4-Nitrophenol                 | ND            | *+        | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| Acenaphthene                  | ND            |           | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| Acenaphthylene                | ND            |           | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| Acetophenone                  | ND            | *+        | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| Anthracene                    | ND            |           | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| Atrazine                      | ND            |           | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| Benzaldehyde                  | ND            |           | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| <b>Benzo[a]anthracene</b>     | <b>0.0561</b> | <b>J</b>  | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| <b>Benzo[a]pyrene</b>         | <b>0.0679</b> | <b>J</b>  | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| <b>Benzo[b]fluoranthene</b>   | <b>0.118</b>  | <b>J</b>  | 0.341 | 0.00145 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| <b>Benzo[g,h,i]perylene</b>   | <b>0.0694</b> | <b>J</b>  | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| <b>Benzo[k]fluoranthene</b>   | <b>0.0386</b> | <b>J</b>  | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| bis (2-chloroisopropyl) ether | ND            | *+        | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| Bis(2-chloroethoxy)methane    | ND            |           | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| Bis(2-chloroethyl)ether       | ND            | *+        | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND            |           | 0.341 | 0.103   | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| Butyl benzyl phthalate        | ND            |           | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| <b>Caprolactam</b>            | <b>0.103</b>  | <b>J</b>  | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| Carbazole                     | ND            |           | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| <b>Chrysene</b>               | <b>0.0869</b> | <b>J</b>  | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| Dibenz(a,h)anthracene         | ND            |           | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| Dibenzofuran                  | ND            | *+        | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| Diethyl phthalate             | ND            |           | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| Dimethyl phthalate            | ND            |           | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| Di-n-butyl phthalate          | ND            |           | 1.02  | 0.310   | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| Di-n-octyl phthalate          | ND            |           | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| <b>Fluoranthene</b>           | <b>0.122</b>  | <b>J</b>  | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| Fluorene                      | ND            |           | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| Hexachlorobenzene             | ND            | *+        | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| Hexachlorobutadiene           | ND            |           | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| Hexachlorocyclopentadiene     | ND            |           | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| Hexachloroethane              | ND            |           | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| <b>Indeno[1,2,3-cd]pyrene</b> | <b>0.0614</b> | <b>J</b>  | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| Isophorone                    | ND            |           | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| Naphthalene                   | ND            |           | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| Nitrobenzene                  | ND            |           | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| N-Nitrosodi-n-propylamine     | ND            |           | 0.341 | 0.0341  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |

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# Client Sample Results

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

Job ID: 752-38206-1

**Client Sample ID: SED-3**

**Lab Sample ID: 752-38206-3**

Date Collected: 10/16/25 10:50

Matrix: Solid

Date Received: 10/16/25 15:00

Percent Solids: 81.3

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

| Analyte                     | Result        | Qualifier | RL       | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|---------------|-----------|----------|--------|-------|---|----------------|----------------|---------|
| N-Nitrosodiphenylamine      | ND            |           | 0.341    | 0.0341 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| Pentachlorophenol           | ND            | *+        | 0.341    | 0.0341 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| <b>Phenanthrene</b>         | <b>0.0579</b> | <b>J</b>  | 0.341    | 0.0341 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| Phenol                      | ND            |           | 0.341    | 0.0341 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| <b>Pyrene</b>               | <b>0.124</b>  | <b>J</b>  | 0.341    | 0.0341 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| Surrogate                   | %Recovery     | Qualifier | Limits   |        |       |   | Prepared       | Analyzed       | Dil Fac |
| 2,4,6-Tribromophenol (Surr) | 87            |           | 40 - 140 |        |       |   | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| 2-Fluorobiphenyl (Surr)     | 112           |           | 40 - 140 |        |       |   | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| 2-Fluorophenol (Surr)       | 113           |           | 40 - 140 |        |       |   | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| Nitrobenzene-d5 (Surr)      | 115           |           | 40 - 140 |        |       |   | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| Phenol-d5 (Surr)            | 102           |           | 40 - 140 |        |       |   | 10/20/25 12:54 | 10/23/25 16:57 | 1       |
| Terphenyl-d14 (Surr)        | 111           |           | 40 - 140 |        |       |   | 10/20/25 12:54 | 10/23/25 16:57 | 1       |

**Method: SW846 9056A - Anions, Ion Chromatography - Soluble**

| Analyte             | Result      | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|---------------------|-------------|-----------|------|-------|-------|---|----------|----------------|---------|
| <b>Nitrate as N</b> | <b>1.84</b> | <b>J</b>  | 3.06 | 0.886 | mg/Kg | ☼ |          | 10/24/25 12:36 | 1       |
| <b>Sulfate</b>      | <b>17.0</b> |           | 12.2 | 12.0  | mg/Kg | ☼ |          | 10/24/25 12:36 | 1       |

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

| Analyte          | Result        | Qualifier    | RL    | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------|---------------|--------------|-------|---------|-------|---|----------------|----------------|---------|
| Antimony         | ND            | F1           | 0.791 | 0.181   | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 22:46 | 5       |
| <b>Arsenic</b>   | <b>0.607</b>  |              | 0.475 | 0.0423  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 22:46 | 5       |
| <b>Barium</b>    | <b>13.0</b>   | <b>F2 F1</b> | 1.98  | 0.0112  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 22:46 | 5       |
| <b>Beryllium</b> | <b>0.0726</b> | <b>J</b>     | 0.396 | 0.0277  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 22:46 | 5       |
| <b>Cadmium</b>   | <b>0.0742</b> | <b>J</b>     | 0.396 | 0.0129  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 22:46 | 5       |
| <b>Chromium</b>  | <b>7.23</b>   | <b>F1</b>    | 0.791 | 0.163   | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 22:46 | 5       |
| <b>Cobalt</b>    | <b>1.62</b>   |              | 0.593 | 0.0224  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 22:46 | 5       |
| <b>Copper</b>    | <b>12.2</b>   | <b>F1</b>    | 0.396 | 0.0411  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 22:46 | 5       |
| <b>Lead</b>      | <b>14.9</b>   |              | 0.396 | 0.0467  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 22:46 | 5       |
| <b>Manganese</b> | <b>74.6</b>   |              | 0.791 | 0.0487  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 22:46 | 5       |
| <b>Nickel</b>    | <b>7.42</b>   | <b>F1</b>    | 0.791 | 0.0207  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 22:46 | 5       |
| Selenium         | ND            |              | 1.98  | 0.140   | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 22:46 | 5       |
| <b>Silver</b>    | <b>0.0267</b> | <b>J</b>     | 0.198 | 0.00229 | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 22:46 | 5       |
| Thallium         | ND            |              | 0.554 | 0.0333  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 22:46 | 5       |
| <b>Vanadium</b>  | <b>9.00</b>   | <b>F1</b>    | 0.791 | 0.0993  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 22:46 | 5       |
| <b>Zinc</b>      | <b>36.9</b>   |              | 1.98  | 1.64    | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 22:46 | 5       |

**Method: SW846 7471B - Mercury (CVAA)**

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.114 | 0.0167 | mg/Kg | ☼ | 10/27/25 11:20 | 10/28/25 08:48 | 1       |

**General Chemistry**

| Analyte              | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Cr (VI) (SW846 7199) | ND     |           | 1.15 | 0.115 | mg/Kg | ☼ | 10/21/25 08:58 | 10/23/25 23:43 | 1       |

**General Chemistry - Soluble**

| Analyte                    | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------------------------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Ammonia (as N) (EPA 350.1) | ND     |           | 1.21 | 0.386 | mg/Kg | ☼ |          | 10/23/25 12:11 | 1       |

# Client Sample Results

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

Job ID: 752-38206-1

**Client Sample ID: SED-4**

**Lab Sample ID: 752-38206-4**

Date Collected: 10/16/25 11:35

Matrix: Solid

Date Received: 10/16/25 15:00

Percent Solids: 77.6

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

| Analyte                     | Result | Qualifier | RL      | MDL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|---------|----------|-------|---|----------------|----------------|---------|
| Acetone                     | 0.0202 | J         | 0.0282  | 0.0135   | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| Benzene                     | ND     |           | 0.00565 | 0.000756 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| Bromobenzene                | ND     |           | 0.00565 | 0.00147  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| Chlorobromomethane          | ND     |           | 0.00565 | 0.000915 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| Dichlorobromomethane        | ND     |           | 0.00565 | 0.00104  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| Bromoform                   | ND     |           | 0.00565 | 0.00147  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| Bromomethane                | ND     |           | 0.00565 | 0.00282  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| 2-Butanone (MEK)            | ND     |           | 0.0282  | 0.00677  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| n-Butylbenzene              | ND     |           | 0.00565 | 0.00108  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| sec-Butylbenzene            | ND     |           | 0.00565 | 0.00107  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| tert-Butylbenzene           | ND     |           | 0.00565 | 0.00124  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| Carbon disulfide            | ND     |           | 0.00565 | 0.00286  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| Carbon tetrachloride        | ND     |           | 0.00565 | 0.00192  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| Chlorobenzene               | ND     |           | 0.00565 | 0.00149  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| Chloroethane                | ND     |           | 0.00565 | 0.00373  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| Chloroform                  | ND     |           | 0.00565 | 0.00154  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| Chloromethane               | ND     |           | 0.00565 | 0.00250  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| 2-Chlorotoluene             | ND     |           | 0.00565 | 0.00187  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| 4-Chlorotoluene             | ND     |           | 0.00565 | 0.00111  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| Chlorodibromomethane        | ND     |           | 0.00565 | 0.00135  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND     | *1        | 0.00565 | 0.00373  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| Ethylene Dibromide          | ND     |           | 0.00565 | 0.00113  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| Dibromomethane              | ND     |           | 0.00565 | 0.000937 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| 1,2-Dichlorobenzene         | ND     |           | 0.00565 | 0.00180  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| 1,3-Dichlorobenzene         | ND     |           | 0.00565 | 0.00107  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| 1,4-Dichlorobenzene         | ND     |           | 0.00565 | 0.000971 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| trans-1,4-Dichloro-2-butene | ND     |           | 0.00565 | 0.00282  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| 1,1-Dichloroethane          | ND     |           | 0.00565 | 0.000937 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| 1,2-Dichloroethane          | ND     |           | 0.00565 | 0.00208  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 0.00565 | 0.000858 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| trans-1,2-Dichloroethene    | ND     |           | 0.00565 | 0.00108  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| 1,1-Dichloroethene          | ND     |           | 0.00565 | 0.00237  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| 1,2-Dichloropropane         | ND     |           | 0.00565 | 0.000858 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| 1,3-Dichloropropane         | ND     | *+        | 0.00565 | 0.00113  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| 2,2-Dichloropropane         | ND     |           | 0.00565 | 0.00124  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| 1,1-Dichloropropene         | ND     |           | 0.00565 | 0.000937 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.00565 | 0.00135  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| trans-1,3-Dichloropropene   | ND     | *+        | 0.00565 | 0.00124  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| Ethylbenzene                | ND     |           | 0.00565 | 0.000689 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| Hexachlorobutadiene         | ND     | *1        | 0.00565 | 0.00282  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| 2-Hexanone                  | ND     | *+        | 0.0282  | 0.00565  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| Iodomethane                 | ND     |           | 0.00565 | 0.00384  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| Isopropylbenzene            | ND     |           | 0.00565 | 0.000768 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| 4-Isopropyltoluene          | ND     |           | 0.00565 | 0.00113  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| Methylene Chloride          | ND     |           | 0.0169  | 0.0113   | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     |           | 0.0282  | 0.0152   | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| Methyl tert-butyl ether     | ND     |           | 0.00565 | 0.00113  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| Naphthalene                 | ND     | *1        | 0.00565 | 0.00339  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| N-Propylbenzene             | ND     |           | 0.00565 | 0.00102  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |

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# Client Sample Results

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

Job ID: 752-38206-1

**Client Sample ID: SED-4**

**Lab Sample ID: 752-38206-4**

**Date Collected: 10/16/25 11:35**

**Matrix: Solid**

**Date Received: 10/16/25 15:00**

**Percent Solids: 77.6**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

| Analyte                               | Result | Qualifier | RL      | MDL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|---------|----------|-------|---|----------------|----------------|---------|
| Styrene                               | ND     |           | 0.00565 | 0.00113  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.00565 | 0.00124  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.00565 | 0.00194  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| Tetrachloroethene                     | ND     |           | 0.00565 | 0.00339  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| Toluene                               | ND     |           | 0.00565 | 0.00113  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| 1,2,3-Trichlorobenzene                | ND     | *1        | 0.00565 | 0.00124  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| 1,2,4-Trichlorobenzene                | ND     | *1        | 0.00565 | 0.00227  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.00565 | 0.00124  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| 1,1,2-Trichloroethane                 | ND     | *+        | 0.00565 | 0.00182  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| Trichloroethene                       | ND     |           | 0.00565 | 0.00113  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| Trichlorofluoromethane                | ND     |           | 0.00565 | 0.00273  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.00565 | 0.00235  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.00565 | 0.00212  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.00565 | 0.00113  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.00565 | 0.000937 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| Vinyl acetate                         | ND     |           | 0.0282  | 0.00720  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| Vinyl chloride                        | ND     |           | 0.00565 | 0.00246  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| o-Xylene                              | ND     |           | 0.00565 | 0.00339  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| m-Xylene & p-Xylene                   | ND     |           | 0.00565 | 0.00339  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| Xylenes, Total                        | ND     |           | 0.0113  | 0.00677  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| Isopropyl ether                       | ND     | *+        | 0.00565 | 0.00156  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| Hexane                                | ND     |           | 0.00565 | 0.00294  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| n-Heptane                             | ND     |           | 0.00565 | 0.00326  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| Ethyl acetate                         | ND     |           | 0.0226  | 0.00565  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:01 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene         | 91        |           | 50 - 150 | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| Dibromofluoromethane         | 110       |           | 50 - 150 | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| Toluene-d8 (Surr)            | 97        |           | 50 - 150 | 10/22/25 15:18 | 10/22/25 23:01 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 139       |           | 50 - 150 | 10/22/25 15:18 | 10/22/25 23:01 | 1       |

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

| Analyte     | Result | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------|--------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| 1,4-Dioxane | ND     |           | 0.00304 | 0.00304 | mg/Kg | ☼ | 10/20/25 13:25 | 10/22/25 16:55 | 2       |

| Isotope Dilution | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Dioxane-d8   | 47        |           | 10 - 150 | 10/20/25 13:25 | 10/22/25 16:55 | 2       |

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

| Analyte               | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| 1,1'-Biphenyl         | ND     |           | 0.382 | 0.0111 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| 2,4,5-Trichlorophenol | ND     | *+        | 0.382 | 0.0382 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| 2,4,6-Trichlorophenol | ND     |           | 0.382 | 0.0382 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| 2,4-Dichlorophenol    | ND     |           | 0.382 | 0.0382 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| 2,4-Dimethylphenol    | ND     |           | 0.382 | 0.0382 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| 2,4-Dinitrophenol     | ND     |           | 1.15  | 0.0382 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| 2,4-Dinitrotoluene    | ND     | *+        | 0.382 | 0.0382 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| 2,6-Dinitrotoluene    | ND     | *+        | 0.382 | 0.0382 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| 2-Chloronaphthalene   | ND     | *+        | 0.382 | 0.0382 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| 2-Chlorophenol        | ND     |           | 0.382 | 0.0382 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| 2-Methylnaphthalene   | ND     |           | 0.382 | 0.0382 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |

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# Client Sample Results

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

Job ID: 752-38206-1

**Client Sample ID: SED-4**

**Lab Sample ID: 752-38206-4**

Date Collected: 10/16/25 11:35

Matrix: Solid

Date Received: 10/16/25 15:00

Percent Solids: 77.6

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

| Analyte                       | Result        | Qualifier | RL    | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|---------------|-----------|-------|---------|-------|---|----------------|----------------|---------|
| 2-Methylphenol                | ND            | *+        | 0.382 | 0.0382  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| 2-Nitroaniline                | ND            |           | 0.382 | 0.0382  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| 2-Nitrophenol                 | ND            |           | 0.382 | 0.0382  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| 3 & 4 Methylphenol            | ND            |           | 0.765 | 0.0382  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| 3,3'-Dichlorobenzidine        | ND            |           | 0.382 | 0.0382  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| 3-Nitroaniline                | ND            |           | 0.382 | 0.0382  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND            |           | 0.382 | 0.0382  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| 4-Bromophenyl phenyl ether    | ND            | *+        | 0.382 | 0.0382  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| 4-Chloro-3-methylphenol       | ND            |           | 0.382 | 0.0382  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| 4-Chloroaniline               | ND            |           | 0.382 | 0.0382  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| 4-Chlorophenyl phenyl ether   | ND            | *+        | 0.382 | 0.0382  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| 4-Nitroaniline                | ND            |           | 0.382 | 0.0382  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| 4-Nitrophenol                 | ND            | *+        | 0.382 | 0.0382  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| Acenaphthene                  | ND            |           | 0.382 | 0.0382  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| Acenaphthylene                | ND            |           | 0.382 | 0.0382  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| Acetophenone                  | ND            | *+        | 0.382 | 0.0382  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| Anthracene                    | ND            |           | 0.382 | 0.0382  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| Atrazine                      | ND            |           | 0.382 | 0.0382  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| <b>Benzaldehyde</b>           | <b>0.0759</b> | <b>J</b>  | 0.382 | 0.0382  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| Benzo[a]anthracene            | ND            |           | 0.382 | 0.0382  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| Benzo[a]pyrene                | ND            |           | 0.382 | 0.0382  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| <b>Benzo[b]fluoranthene</b>   | <b>0.0474</b> | <b>J</b>  | 0.382 | 0.00162 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| Benzo[g,h,i]perylene          | ND            |           | 0.382 | 0.0382  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| Benzo[k]fluoranthene          | ND            |           | 0.382 | 0.0382  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| bis (2-chloroisopropyl) ether | ND            | *+        | 0.382 | 0.0382  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| Bis(2-chloroethoxy)methane    | ND            |           | 0.382 | 0.0382  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| Bis(2-chloroethyl)ether       | ND            | *+        | 0.382 | 0.0382  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND            |           | 0.382 | 0.116   | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| Butyl benzyl phthalate        | ND            |           | 0.382 | 0.0382  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| Caprolactam                   | ND            |           | 0.382 | 0.0382  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| Carbazole                     | ND            |           | 0.382 | 0.0382  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| <b>Chrysene</b>               | <b>0.0421</b> | <b>J</b>  | 0.382 | 0.0382  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| Dibenz(a,h)anthracene         | ND            |           | 0.382 | 0.0382  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| Dibenzofuran                  | ND            | *+        | 0.382 | 0.0382  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| Diethyl phthalate             | ND            |           | 0.382 | 0.0382  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| Dimethyl phthalate            | ND            |           | 0.382 | 0.0382  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| Di-n-butyl phthalate          | ND            |           | 1.15  | 0.348   | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| Di-n-octyl phthalate          | ND            |           | 0.382 | 0.0382  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| <b>Fluoranthene</b>           | <b>0.0692</b> | <b>J</b>  | 0.382 | 0.0382  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| Fluorene                      | ND            |           | 0.382 | 0.0382  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| Hexachlorobenzene             | ND            | *+        | 0.382 | 0.0382  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| Hexachlorobutadiene           | ND            |           | 0.382 | 0.0382  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| Hexachlorocyclopentadiene     | ND            |           | 0.382 | 0.0382  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| Hexachloroethane              | ND            |           | 0.382 | 0.0382  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| Indeno[1,2,3-cd]pyrene        | ND            |           | 0.382 | 0.0382  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| Isophorone                    | ND            |           | 0.382 | 0.0382  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| Naphthalene                   | ND            |           | 0.382 | 0.0382  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| Nitrobenzene                  | ND            |           | 0.382 | 0.0382  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| N-Nitrosodi-n-propylamine     | ND            |           | 0.382 | 0.0382  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |

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# Client Sample Results

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

Job ID: 752-38206-1

**Client Sample ID: SED-4**

**Lab Sample ID: 752-38206-4**

Date Collected: 10/16/25 11:35

Matrix: Solid

Date Received: 10/16/25 15:00

Percent Solids: 77.6

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

| Analyte                     | Result        | Qualifier | RL       | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|---------------|-----------|----------|--------|-------|---|----------------|----------------|---------|
| N-Nitrosodiphenylamine      | ND            |           | 0.382    | 0.0382 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| Pentachlorophenol           | ND            | *+        | 0.382    | 0.0382 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| <b>Phenanthrene</b>         | <b>0.0385</b> | <b>J</b>  | 0.382    | 0.0382 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| Phenol                      | ND            |           | 0.382    | 0.0382 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| <b>Pyrene</b>               | <b>0.0636</b> | <b>J</b>  | 0.382    | 0.0382 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| Surrogate                   | %Recovery     | Qualifier | Limits   |        |       |   | Prepared       | Analyzed       | Dil Fac |
| 2,4,6-Tribromophenol (Surr) | 49            |           | 40 - 140 |        |       |   | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| 2-Fluorobiphenyl (Surr)     | 51            |           | 40 - 140 |        |       |   | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| 2-Fluorophenol (Surr)       | 53            |           | 40 - 140 |        |       |   | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| Nitrobenzene-d5 (Surr)      | 51            |           | 40 - 140 |        |       |   | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| Phenol-d5 (Surr)            | 47            |           | 40 - 140 |        |       |   | 10/20/25 12:54 | 10/23/25 17:28 | 1       |
| Terphenyl-d14 (Surr)        | 54            |           | 40 - 140 |        |       |   | 10/20/25 12:54 | 10/23/25 17:28 | 1       |

**Method: SW846 9056A - Anions, Ion Chromatography - Soluble**

| Analyte             | Result      | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|---------------------|-------------|-----------|------|-------|-------|---|----------|----------------|---------|
| <b>Nitrate as N</b> | <b>2.12</b> | <b>J</b>  | 3.20 | 0.929 | mg/Kg | ☼ |          | 10/24/25 12:48 | 1       |
| <b>Sulfate</b>      | <b>21.1</b> |           | 12.8 | 12.6  | mg/Kg | ☼ |          | 10/24/25 12:48 | 1       |

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

| Analyte          | Result        | Qualifier | RL    | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------|---------------|-----------|-------|---------|-------|---|----------------|----------------|---------|
| Antimony         | ND            |           | 0.954 | 0.218   | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:13 | 5       |
| <b>Arsenic</b>   | <b>0.625</b>  |           | 0.573 | 0.0511  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:13 | 5       |
| <b>Barium</b>    | <b>11.2</b>   |           | 2.39  | 0.0135  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:13 | 5       |
| <b>Beryllium</b> | <b>0.0778</b> | <b>J</b>  | 0.477 | 0.0335  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:13 | 5       |
| <b>Cadmium</b>   | <b>0.0554</b> | <b>J</b>  | 0.477 | 0.0156  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:13 | 5       |
| <b>Chromium</b>  | <b>6.12</b>   |           | 0.954 | 0.197   | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:13 | 5       |
| <b>Cobalt</b>    | <b>1.75</b>   |           | 0.716 | 0.0270  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:13 | 5       |
| <b>Copper</b>    | <b>5.80</b>   |           | 0.477 | 0.0496  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:13 | 5       |
| <b>Lead</b>      | <b>18.5</b>   |           | 0.477 | 0.0563  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:13 | 5       |
| <b>Manganese</b> | <b>66.7</b>   |           | 0.954 | 0.0587  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:13 | 5       |
| <b>Nickel</b>    | <b>3.44</b>   |           | 0.954 | 0.0250  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:13 | 5       |
| Selenium         | ND            |           | 2.39  | 0.169   | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:13 | 5       |
| <b>Silver</b>    | <b>0.0217</b> | <b>J</b>  | 0.239 | 0.00277 | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:13 | 5       |
| Thallium         | ND            |           | 0.668 | 0.0402  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:13 | 5       |
| <b>Vanadium</b>  | <b>10.8</b>   |           | 0.954 | 0.120   | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:13 | 5       |
| <b>Zinc</b>      | <b>39.2</b>   |           | 2.39  | 1.98    | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:13 | 5       |

**Method: SW846 7471B - Mercury (CVAA)**

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.127 | 0.0186 | mg/Kg | ☼ | 10/27/25 11:20 | 10/28/25 08:58 | 1       |

**General Chemistry**

| Analyte              | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Cr (VI) (SW846 7199) | ND     |           | 1.26 | 0.126 | mg/Kg | ☼ | 10/21/25 08:58 | 10/23/25 23:55 | 1       |

**General Chemistry - Soluble**

| Analyte                    | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------------------------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Ammonia (as N) (EPA 350.1) | ND     |           | 1.28 | 0.408 | mg/Kg | ☼ |          | 10/23/25 12:13 | 1       |

# Client Sample Results

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

Job ID: 752-38206-1

**Client Sample ID: SED-5**

**Lab Sample ID: 752-38206-5**

**Date Collected: 10/16/25 12:05**

**Matrix: Solid**

**Date Received: 10/16/25 15:00**

**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                     | 0.0257 | J         | 0.0273  | 0.0131   | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| Benzene                     | ND     |           | 0.00546 | 0.000732 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| Bromobenzene                | ND     |           | 0.00546 | 0.00142  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| Chlorobromomethane          | ND     |           | 0.00546 | 0.000884 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| Dichlorobromomethane        | ND     |           | 0.00546 | 0.00100  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| Bromoform                   | ND     |           | 0.00546 | 0.00142  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| Bromomethane                | ND     |           | 0.00546 | 0.00273  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| 2-Butanone (MEK)            | ND     |           | 0.0273  | 0.00655  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| n-Butylbenzene              | ND     |           | 0.00546 | 0.00105  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| sec-Butylbenzene            | ND     |           | 0.00546 | 0.00104  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| tert-Butylbenzene           | ND     |           | 0.00546 | 0.00120  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| Carbon disulfide            | ND     |           | 0.00546 | 0.00276  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| Carbon tetrachloride        | ND     |           | 0.00546 | 0.00186  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| Chlorobenzene               | ND     |           | 0.00546 | 0.00144  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| Chloroethane                | ND     |           | 0.00546 | 0.00360  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| Chloroform                  | ND     |           | 0.00546 | 0.00149  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| Chloromethane               | ND     |           | 0.00546 | 0.00241  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| 2-Chlorotoluene             | ND     |           | 0.00546 | 0.00181  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| 4-Chlorotoluene             | ND     |           | 0.00546 | 0.00107  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| Chlorodibromomethane        | ND     |           | 0.00546 | 0.00131  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND     | *1        | 0.00546 | 0.00360  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| Ethylene Dibromide          | ND     |           | 0.00546 | 0.00109  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| Dibromomethane              | ND     |           | 0.00546 | 0.000906 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| 1,2-Dichlorobenzene         | ND     |           | 0.00546 | 0.00174  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| 1,3-Dichlorobenzene         | ND     |           | 0.00546 | 0.00104  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| 1,4-Dichlorobenzene         | ND     |           | 0.00546 | 0.000939 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| trans-1,4-Dichloro-2-butene | ND     |           | 0.00546 | 0.00273  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| 1,1-Dichloroethane          | ND     |           | 0.00546 | 0.000906 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| 1,2-Dichloroethane          | ND     |           | 0.00546 | 0.00201  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 0.00546 | 0.000830 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| trans-1,2-Dichloroethene    | ND     |           | 0.00546 | 0.00105  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| 1,1-Dichloroethene          | ND     |           | 0.00546 | 0.00229  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| 1,2-Dichloropropane         | ND     |           | 0.00546 | 0.000830 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| 1,3-Dichloropropane         | ND     | *+        | 0.00546 | 0.00109  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| 2,2-Dichloropropane         | ND     |           | 0.00546 | 0.00120  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| 1,1-Dichloropropene         | ND     |           | 0.00546 | 0.000906 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.00546 | 0.00131  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| trans-1,3-Dichloropropene   | ND     | *+        | 0.00546 | 0.00120  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| Ethylbenzene                | ND     |           | 0.00546 | 0.000666 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| Hexachlorobutadiene         | ND     | *1        | 0.00546 | 0.00273  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| 2-Hexanone                  | ND     | *+        | 0.0273  | 0.00546  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| Iodomethane                 | ND     |           | 0.00546 | 0.00371  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| Isopropylbenzene            | ND     |           | 0.00546 | 0.000743 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| 4-Isopropyltoluene          | ND     |           | 0.00546 | 0.00109  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| Methylene Chloride          | ND     |           | 0.0164  | 0.0109   | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     |           | 0.0273  | 0.0147   | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| Methyl tert-butyl ether     | ND     |           | 0.00546 | 0.00109  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| Naphthalene                 | ND     | *1        | 0.00546 | 0.00328  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| N-Propylbenzene             | ND     |           | 0.00546 | 0.000983 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |

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# Client Sample Results

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

Job ID: 752-38206-1

**Client Sample ID: SED-5**

**Lab Sample ID: 752-38206-5**

Date Collected: 10/16/25 12:05

Matrix: Solid

Date Received: 10/16/25 15:00

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             |           | 0.00546 | 0.00109  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| 1,1,1,2-Tetrachloroethane             | ND             |           | 0.00546 | 0.00120  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND             |           | 0.00546 | 0.00188  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| Tetrachloroethene                     | ND             |           | 0.00546 | 0.00328  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| <b>Toluene</b>                        | <b>0.00187</b> | <b>J</b>  | 0.00546 | 0.00109  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| 1,2,3-Trichlorobenzene                | ND             | *1        | 0.00546 | 0.00120  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| 1,2,4-Trichlorobenzene                | ND             | *1        | 0.00546 | 0.00219  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| 1,1,1-Trichloroethane                 | ND             |           | 0.00546 | 0.00120  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| 1,1,2-Trichloroethane                 | ND             | *+        | 0.00546 | 0.00176  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| Trichloroethene                       | ND             |           | 0.00546 | 0.00109  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| Trichlorofluoromethane                | ND             |           | 0.00546 | 0.00264  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| 1,2,3-Trichloropropane                | ND             |           | 0.00546 | 0.00227  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND             |           | 0.00546 | 0.00205  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| 1,2,4-Trimethylbenzene                | ND             |           | 0.00546 | 0.00109  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| 1,3,5-Trimethylbenzene                | ND             |           | 0.00546 | 0.000906 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| Vinyl acetate                         | ND             |           | 0.0273  | 0.00697  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| Vinyl chloride                        | ND             |           | 0.00546 | 0.00238  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| o-Xylene                              | ND             |           | 0.00546 | 0.00328  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| m-Xylene & p-Xylene                   | ND             |           | 0.00546 | 0.00328  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| Xylenes, Total                        | ND             |           | 0.0109  | 0.00655  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| Isopropyl ether                       | ND             | *+        | 0.00546 | 0.00151  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| Hexane                                | ND             |           | 0.00546 | 0.00284  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| n-Heptane                             | ND             |           | 0.00546 | 0.00316  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| Ethyl acetate                         | ND             |           | 0.0218  | 0.00546  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:22 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene         | 95        |           | 50 - 150 | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| Dibromofluoromethane         | 105       |           | 50 - 150 | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| Toluene-d8 (Surr)            | 137       |           | 50 - 150 | 10/22/25 15:18 | 10/22/25 23:22 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 118       |           | 50 - 150 | 10/22/25 15:18 | 10/22/25 23:22 | 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               |                  | 0.00305       | 0.00305         | mg/Kg           | ☼              | 10/20/25 13:25 | 10/22/25 17:17 | 2       |
| <b>Isotope Dilution</b> | <b>%Recovery</b> | <b>Qualifier</b> | <b>Limits</b> | <b>Prepared</b> | <b>Analyzed</b> | <b>Dil Fac</b> |                |                |         |
| 1,4-Dioxane-d8          | 55               |                  | 10 - 150      | 10/20/25 13:25  | 10/22/25 17:17  | 2              |                |                |         |

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

| Analyte               | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| 1,1'-Biphenyl         | ND     |           | 0.375 | 0.0109 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| 2,4,5-Trichlorophenol | ND     | *+        | 0.375 | 0.0375 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| 2,4,6-Trichlorophenol | ND     |           | 0.375 | 0.0375 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| 2,4-Dichlorophenol    | ND     |           | 0.375 | 0.0375 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| 2,4-Dimethylphenol    | ND     |           | 0.375 | 0.0375 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| 2,4-Dinitrophenol     | ND     |           | 1.13  | 0.0375 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| 2,4-Dinitrotoluene    | ND     | *+        | 0.375 | 0.0375 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| 2,6-Dinitrotoluene    | ND     | *+        | 0.375 | 0.0375 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| 2-Chloronaphthalene   | ND     | *+        | 0.375 | 0.0375 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| 2-Chlorophenol        | ND     |           | 0.375 | 0.0375 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| 2-Methylnaphthalene   | ND     |           | 0.375 | 0.0375 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |

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# Client Sample Results

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

Job ID: 752-38206-1

**Client Sample ID: SED-5**

**Lab Sample ID: 752-38206-5**

Date Collected: 10/16/25 12:05

Matrix: Solid

Date Received: 10/16/25 15:00

Percent Solids: 76.1

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

| Analyte                       | Result        | Qualifier | RL    | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|---------------|-----------|-------|---------|-------|---|----------------|----------------|---------|
| 2-Methylphenol                | ND            | *+        | 0.375 | 0.0375  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| 2-Nitroaniline                | ND            |           | 0.375 | 0.0375  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| 2-Nitrophenol                 | ND            |           | 0.375 | 0.0375  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| 3 & 4 Methylphenol            | ND            |           | 0.750 | 0.0375  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| 3,3'-Dichlorobenzidine        | ND            |           | 0.375 | 0.0375  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| 3-Nitroaniline                | ND            |           | 0.375 | 0.0375  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND            |           | 0.375 | 0.0375  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| 4-Bromophenyl phenyl ether    | ND            | *+        | 0.375 | 0.0375  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| 4-Chloro-3-methylphenol       | ND            |           | 0.375 | 0.0375  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| 4-Chloroaniline               | ND            |           | 0.375 | 0.0375  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| 4-Chlorophenyl phenyl ether   | ND            | *+        | 0.375 | 0.0375  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| 4-Nitroaniline                | ND            |           | 0.375 | 0.0375  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| 4-Nitrophenol                 | ND            | *+        | 0.375 | 0.0375  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| Acenaphthene                  | ND            |           | 0.375 | 0.0375  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| <b>Acenaphthylene</b>         | <b>0.0877</b> | <b>J</b>  | 0.375 | 0.0375  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| Acetophenone                  | ND            | *+        | 0.375 | 0.0375  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| <b>Anthracene</b>             | <b>0.0379</b> | <b>J</b>  | 0.375 | 0.0375  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| Atrazine                      | ND            |           | 0.375 | 0.0375  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| Benzaldehyde                  | ND            |           | 0.375 | 0.0375  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| <b>Benzo[a]anthracene</b>     | <b>0.380</b>  |           | 0.375 | 0.0375  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| <b>Benzo[a]pyrene</b>         | <b>0.411</b>  |           | 0.375 | 0.0375  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| <b>Benzo[b]fluoranthene</b>   | <b>0.561</b>  |           | 0.375 | 0.00159 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| <b>Benzo[g,h,i]perylene</b>   | <b>0.264</b>  | <b>J</b>  | 0.375 | 0.0375  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| <b>Benzo[k]fluoranthene</b>   | <b>0.189</b>  | <b>J</b>  | 0.375 | 0.0375  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| bis (2-chloroisopropyl) ether | ND            | *+        | 0.375 | 0.0375  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| Bis(2-chloroethoxy)methane    | ND            |           | 0.375 | 0.0375  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| Bis(2-chloroethyl)ether       | ND            | *+        | 0.375 | 0.0375  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND            |           | 0.375 | 0.114   | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| Butyl benzyl phthalate        | ND            |           | 0.375 | 0.0375  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| Caprolactam                   | ND            |           | 0.375 | 0.0375  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| Carbazole                     | ND            |           | 0.375 | 0.0375  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| <b>Chrysene</b>               | <b>0.476</b>  |           | 0.375 | 0.0375  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| <b>Dibenz(a,h)anthracene</b>  | <b>0.0817</b> | <b>J</b>  | 0.375 | 0.0375  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| Dibenzofuran                  | ND            | *+        | 0.375 | 0.0375  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| Diethyl phthalate             | ND            |           | 0.375 | 0.0375  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| Dimethyl phthalate            | ND            |           | 0.375 | 0.0375  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| Di-n-butyl phthalate          | ND            |           | 1.13  | 0.341   | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| Di-n-octyl phthalate          | ND            |           | 0.375 | 0.0375  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| <b>Fluoranthene</b>           | <b>0.510</b>  |           | 0.375 | 0.0375  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| Fluorene                      | ND            |           | 0.375 | 0.0375  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| Hexachlorobenzene             | ND            | *+        | 0.375 | 0.0375  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| Hexachlorobutadiene           | ND            |           | 0.375 | 0.0375  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| Hexachlorocyclopentadiene     | ND            |           | 0.375 | 0.0375  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| Hexachloroethane              | ND            |           | 0.375 | 0.0375  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| <b>Indeno[1,2,3-cd]pyrene</b> | <b>0.254</b>  | <b>J</b>  | 0.375 | 0.0375  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| Isophorone                    | ND            |           | 0.375 | 0.0375  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| Naphthalene                   | ND            |           | 0.375 | 0.0375  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| Nitrobenzene                  | ND            |           | 0.375 | 0.0375  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| N-Nitrosodi-n-propylamine     | ND            |           | 0.375 | 0.0375  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |

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# Client Sample Results

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

Job ID: 752-38206-1

**Client Sample ID: SED-5**

**Lab Sample ID: 752-38206-5**

Date Collected: 10/16/25 12:05

Matrix: Solid

Date Received: 10/16/25 15:00

Percent Solids: 76.1

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

| Analyte                     | Result       | Qualifier | RL       | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|-----------|----------|--------|-------|---|----------------|----------------|---------|
| N-Nitrosodiphenylamine      | ND           |           | 0.375    | 0.0375 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| Pentachlorophenol           | ND           | *+        | 0.375    | 0.0375 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| <b>Phenanthrene</b>         | <b>0.193</b> | <b>J</b>  | 0.375    | 0.0375 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| Phenol                      | ND           |           | 0.375    | 0.0375 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| <b>Pyrene</b>               | <b>0.569</b> |           | 0.375    | 0.0375 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| Surrogate                   | %Recovery    | Qualifier | Limits   |        |       |   | Prepared       | Analyzed       | Dil Fac |
| 2,4,6-Tribromophenol (Surr) | 77           |           | 40 - 140 |        |       |   | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| 2-Fluorobiphenyl (Surr)     | 110          |           | 40 - 140 |        |       |   | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| 2-Fluorophenol (Surr)       | 114          |           | 40 - 140 |        |       |   | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| Nitrobenzene-d5 (Surr)      | 114          |           | 40 - 140 |        |       |   | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| Phenol-d5 (Surr)            | 110          |           | 40 - 140 |        |       |   | 10/20/25 12:54 | 10/23/25 17:58 | 1       |
| Terphenyl-d14 (Surr)        | 114          |           | 40 - 140 |        |       |   | 10/20/25 12:54 | 10/23/25 17:58 | 1       |

**Method: SW846 9056A - Anions, Ion Chromatography - Soluble**

| Analyte             | Result      | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|---------------------|-------------|-----------|------|-------|-------|---|----------|----------------|---------|
| <b>Nitrate as N</b> | <b>2.12</b> | <b>J</b>  | 3.25 | 0.942 | mg/Kg | ☼ |          | 10/24/25 12:59 | 1       |
| Sulfate             | ND          |           | 13.0 | 12.7  | mg/Kg | ☼ |          | 10/24/25 12:59 | 1       |

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

| Analyte          | Result        | Qualifier | RL    | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------|---------------|-----------|-------|---------|-------|---|----------------|----------------|---------|
| Antimony         | ND            |           | 0.860 | 0.196   | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:15 | 5       |
| <b>Arsenic</b>   | <b>0.711</b>  |           | 0.516 | 0.0460  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:15 | 5       |
| <b>Barium</b>    | <b>10.1</b>   |           | 2.15  | 0.0122  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:15 | 5       |
| <b>Beryllium</b> | <b>0.0810</b> | <b>J</b>  | 0.430 | 0.0301  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:15 | 5       |
| <b>Cadmium</b>   | <b>0.0604</b> | <b>J</b>  | 0.430 | 0.0140  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:15 | 5       |
| <b>Chromium</b>  | <b>4.07</b>   |           | 0.860 | 0.177   | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:15 | 5       |
| <b>Cobalt</b>    | <b>1.65</b>   |           | 0.645 | 0.0243  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:15 | 5       |
| <b>Copper</b>    | <b>6.27</b>   |           | 0.430 | 0.0447  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:15 | 5       |
| <b>Lead</b>      | <b>13.5</b>   |           | 0.430 | 0.0507  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:15 | 5       |
| <b>Manganese</b> | <b>53.7</b>   |           | 0.860 | 0.0529  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:15 | 5       |
| <b>Nickel</b>    | <b>5.29</b>   |           | 0.860 | 0.0225  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:15 | 5       |
| Selenium         | ND            |           | 2.15  | 0.153   | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:15 | 5       |
| <b>Silver</b>    | <b>0.0262</b> | <b>J</b>  | 0.215 | 0.00249 | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:15 | 5       |
| Thallium         | ND            |           | 0.602 | 0.0362  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:15 | 5       |
| <b>Vanadium</b>  | <b>7.88</b>   |           | 0.860 | 0.108   | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:15 | 5       |
| <b>Zinc</b>      | <b>32.9</b>   |           | 2.15  | 1.78    | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:15 | 5       |

**Method: SW846 7471B - Mercury (CVAA)**

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.130 | 0.0190 | mg/Kg | ☼ | 10/27/25 11:20 | 10/28/25 09:01 | 1       |

**General Chemistry**

| Analyte              | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Cr (VI) (SW846 7199) | ND     |           | 1.27 | 0.127 | mg/Kg | ☼ | 10/21/25 08:58 | 10/24/25 00:33 | 1       |

**General Chemistry - Soluble**

| Analyte                    | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------------------------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Ammonia (as N) (EPA 350.1) | ND     |           | 1.28 | 0.411 | mg/Kg | ☼ |          | 10/23/25 12:16 | 1       |

# Client Sample Results

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

Job ID: 752-38206-1

**Client Sample ID: SED-6**

**Lab Sample ID: 752-38206-6**

Date Collected: 10/16/25 12:40

Matrix: Solid

Date Received: 10/16/25 15:00

Percent Solids: 73.3

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

| Analyte                     | Result | Qualifier | RL      | MDL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|---------|----------|-------|---|----------------|----------------|---------|
| Acetone                     | 0.0519 |           | 0.0296  | 0.0142   | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| Benzene                     | ND     |           | 0.00592 | 0.000793 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| Bromobenzene                | ND     |           | 0.00592 | 0.00154  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| Chlorobromomethane          | ND     |           | 0.00592 | 0.000959 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| Dichlorobromomethane        | ND     |           | 0.00592 | 0.00109  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| Bromoform                   | ND     |           | 0.00592 | 0.00154  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| Bromomethane                | ND     |           | 0.00592 | 0.00296  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| 2-Butanone (MEK)            | ND     |           | 0.0296  | 0.00710  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| n-Butylbenzene              | ND     |           | 0.00592 | 0.00114  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| sec-Butylbenzene            | ND     |           | 0.00592 | 0.00112  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| tert-Butylbenzene           | ND     |           | 0.00592 | 0.00130  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| Carbon disulfide            | ND     |           | 0.00592 | 0.00300  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| Carbon tetrachloride        | ND     |           | 0.00592 | 0.00201  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| Chlorobenzene               | ND     |           | 0.00592 | 0.00156  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| Chloroethane                | ND     |           | 0.00592 | 0.00391  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| Chloroform                  | ND     |           | 0.00592 | 0.00161  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| Chloromethane               | ND     |           | 0.00592 | 0.00262  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| 2-Chlorotoluene             | ND     |           | 0.00592 | 0.00197  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| 4-Chlorotoluene             | ND     |           | 0.00592 | 0.00116  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| Chlorodibromomethane        | ND     |           | 0.00592 | 0.00142  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND     | *1        | 0.00592 | 0.00391  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| Ethylene Dibromide          | ND     |           | 0.00592 | 0.00118  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| Dibromomethane              | ND     |           | 0.00592 | 0.000983 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| 1,2-Dichlorobenzene         | ND     |           | 0.00592 | 0.00188  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| 1,3-Dichlorobenzene         | ND     |           | 0.00592 | 0.00112  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| 1,4-Dichlorobenzene         | ND     |           | 0.00592 | 0.00102  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| trans-1,4-Dichloro-2-butene | ND     |           | 0.00592 | 0.00296  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| 1,1-Dichloroethane          | ND     |           | 0.00592 | 0.000983 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| 1,2-Dichloroethane          | ND     |           | 0.00592 | 0.00218  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 0.00592 | 0.000900 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| trans-1,2-Dichloroethene    | ND     |           | 0.00592 | 0.00114  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| 1,1-Dichloroethene          | ND     |           | 0.00592 | 0.00249  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| 1,2-Dichloropropane         | ND     |           | 0.00592 | 0.000900 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| 1,3-Dichloropropane         | ND     | *+        | 0.00592 | 0.00118  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| 2,2-Dichloropropane         | ND     |           | 0.00592 | 0.00130  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| 1,1-Dichloropropene         | ND     |           | 0.00592 | 0.000983 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.00592 | 0.00142  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| trans-1,3-Dichloropropene   | ND     | *+        | 0.00592 | 0.00130  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| Ethylbenzene                | ND     |           | 0.00592 | 0.000722 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| Hexachlorobutadiene         | ND     | *1        | 0.00592 | 0.00296  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| 2-Hexanone                  | ND     | *+        | 0.0296  | 0.00592  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| Iodomethane                 | ND     |           | 0.00592 | 0.00403  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| Isopropylbenzene            | ND     |           | 0.00592 | 0.000805 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| 4-Isopropyltoluene          | ND     |           | 0.00592 | 0.00118  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| Methylene Chloride          | ND     |           | 0.0178  | 0.0118   | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     |           | 0.0296  | 0.0159   | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| Methyl tert-butyl ether     | ND     |           | 0.00592 | 0.00118  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| Naphthalene                 | ND     | *1        | 0.00592 | 0.00355  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| N-Propylbenzene             | ND     |           | 0.00592 | 0.00107  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |

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# Client Sample Results

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

Job ID: 752-38206-1

**Client Sample ID: SED-6**

**Lab Sample ID: 752-38206-6**

Date Collected: 10/16/25 12:40

Matrix: Solid

Date Received: 10/16/25 15:00

Percent Solids: 73.3

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

| Analyte                               | Result         | Qualifier | RL      | MDL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------------|----------------|-----------|---------|----------|-------|---|----------------|----------------|---------|
| Styrene                               | ND             |           | 0.00592 | 0.00118  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| 1,1,1,2-Tetrachloroethane             | ND             |           | 0.00592 | 0.00130  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND             |           | 0.00592 | 0.00204  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| Tetrachloroethene                     | ND             |           | 0.00592 | 0.00355  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| <b>Toluene</b>                        | <b>0.00156</b> | <b>J</b>  | 0.00592 | 0.00118  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| 1,2,3-Trichlorobenzene                | ND             | *1        | 0.00592 | 0.00130  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| 1,2,4-Trichlorobenzene                | ND             | *1        | 0.00592 | 0.00238  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| 1,1,1-Trichloroethane                 | ND             |           | 0.00592 | 0.00130  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| 1,1,2-Trichloroethane                 | ND             | *+        | 0.00592 | 0.00191  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| Trichloroethene                       | ND             |           | 0.00592 | 0.00118  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| Trichlorofluoromethane                | ND             |           | 0.00592 | 0.00287  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| 1,2,3-Trichloropropane                | ND             |           | 0.00592 | 0.00246  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND             |           | 0.00592 | 0.00223  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| 1,2,4-Trimethylbenzene                | ND             |           | 0.00592 | 0.00118  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| 1,3,5-Trimethylbenzene                | ND             |           | 0.00592 | 0.000983 | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| Vinyl acetate                         | ND             |           | 0.0296  | 0.00755  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| Vinyl chloride                        | ND             |           | 0.00592 | 0.00258  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| o-Xylene                              | ND             |           | 0.00592 | 0.00355  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| m-Xylene & p-Xylene                   | ND             |           | 0.00592 | 0.00355  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| Xylenes, Total                        | ND             |           | 0.0118  | 0.00710  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| Isopropyl ether                       | ND             | *+        | 0.00592 | 0.00163  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| Hexane                                | ND             |           | 0.00592 | 0.00308  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| n-Heptane                             | ND             |           | 0.00592 | 0.00342  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| Ethyl acetate                         | ND             |           | 0.0237  | 0.00592  | mg/Kg | ☼ | 10/22/25 15:18 | 10/22/25 23:43 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene         | 97        |           | 50 - 150 | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| Dibromofluoromethane         | 112       |           | 50 - 150 | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| Toluene-d8 (Surr)            | 103       |           | 50 - 150 | 10/22/25 15:18 | 10/22/25 23:43 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 143       |           | 50 - 150 | 10/22/25 15:18 | 10/22/25 23:43 | 1       |

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

| Analyte                 | Result           | Qualifier        | RL            | MDL             | Unit            | D              | Prepared       | Analyzed       | Dil Fac |
|-------------------------|------------------|------------------|---------------|-----------------|-----------------|----------------|----------------|----------------|---------|
| 1,4-Dioxane             | ND               |                  | 0.00317       | 0.00317         | mg/Kg           | ☼              | 10/20/25 13:25 | 10/22/25 17:38 | 2       |
| <b>Isotope Dilution</b> | <b>%Recovery</b> | <b>Qualifier</b> | <b>Limits</b> | <b>Prepared</b> | <b>Analyzed</b> | <b>Dil Fac</b> |                |                |         |
| 1,4-Dioxane-d8          | 54               |                  | 10 - 150      | 10/20/25 13:25  | 10/22/25 17:38  | 2              |                |                |         |

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

| Analyte               | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| 1,1'-Biphenyl         | ND     |           | 0.422 | 0.0123 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| 2,4,5-Trichlorophenol | ND     | *+        | 0.422 | 0.0422 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| 2,4,6-Trichlorophenol | ND     |           | 0.422 | 0.0422 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| 2,4-Dichlorophenol    | ND     |           | 0.422 | 0.0422 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| 2,4-Dimethylphenol    | ND     |           | 0.422 | 0.0422 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| 2,4-Dinitrophenol     | ND     |           | 1.26  | 0.0422 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| 2,4-Dinitrotoluene    | ND     | *+        | 0.422 | 0.0422 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| 2,6-Dinitrotoluene    | ND     | *+        | 0.422 | 0.0422 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| 2-Chloronaphthalene   | ND     | *+        | 0.422 | 0.0422 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| 2-Chlorophenol        | ND     |           | 0.422 | 0.0422 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| 2-Methylnaphthalene   | ND     |           | 0.422 | 0.0422 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |

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# Client Sample Results

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

Job ID: 752-38206-1

**Client Sample ID: SED-6**

**Lab Sample ID: 752-38206-6**

**Date Collected: 10/16/25 12:40**

**Matrix: Solid**

**Date Received: 10/16/25 15:00**

**Percent Solids: 73.3**

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

| Analyte                       | Result        | Qualifier | RL    | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|---------------|-----------|-------|---------|-------|---|----------------|----------------|---------|
| 2-Methylphenol                | ND            | *+        | 0.422 | 0.0422  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| 2-Nitroaniline                | ND            |           | 0.422 | 0.0422  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| 2-Nitrophenol                 | ND            |           | 0.422 | 0.0422  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| 3 & 4 Methylphenol            | ND            |           | 0.843 | 0.0422  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| 3,3'-Dichlorobenzidine        | ND            |           | 0.422 | 0.0422  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| 3-Nitroaniline                | ND            |           | 0.422 | 0.0422  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND            |           | 0.422 | 0.0422  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| 4-Bromophenyl phenyl ether    | ND            | *+        | 0.422 | 0.0422  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| 4-Chloro-3-methylphenol       | ND            |           | 0.422 | 0.0422  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| 4-Chloroaniline               | ND            |           | 0.422 | 0.0422  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| 4-Chlorophenyl phenyl ether   | ND            | *+        | 0.422 | 0.0422  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| 4-Nitroaniline                | ND            |           | 0.422 | 0.0422  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| 4-Nitrophenol                 | ND            | *+        | 0.422 | 0.0422  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| Acenaphthene                  | ND            |           | 0.422 | 0.0422  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| Acenaphthylene                | ND            |           | 0.422 | 0.0422  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| Acetophenone                  | ND            | *+        | 0.422 | 0.0422  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| Anthracene                    | ND            |           | 0.422 | 0.0422  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| Atrazine                      | ND            |           | 0.422 | 0.0422  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| Benzaldehyde                  | ND            |           | 0.422 | 0.0422  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| Benzo[a]anthracene            | ND            |           | 0.422 | 0.0422  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| Benzo[a]pyrene                | ND            |           | 0.422 | 0.0422  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| <b>Benzo[b]fluoranthene</b>   | <b>0.0217</b> | <b>J</b>  | 0.422 | 0.00179 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| Benzo[g,h,i]perylene          | ND            |           | 0.422 | 0.0422  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| Benzo[k]fluoranthene          | ND            |           | 0.422 | 0.0422  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| bis (2-chloroisopropyl) ether | ND            | *+        | 0.422 | 0.0422  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| Bis(2-chloroethoxy)methane    | ND            |           | 0.422 | 0.0422  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| Bis(2-chloroethyl)ether       | ND            | *+        | 0.422 | 0.0422  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND            |           | 0.422 | 0.128   | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| Butyl benzyl phthalate        | ND            |           | 0.422 | 0.0422  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| <b>Caprolactam</b>            | <b>0.0587</b> | <b>J</b>  | 0.422 | 0.0422  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| Carbazole                     | ND            |           | 0.422 | 0.0422  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| Chrysene                      | ND            |           | 0.422 | 0.0422  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| Dibenz(a,h)anthracene         | ND            |           | 0.422 | 0.0422  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| Dibenzofuran                  | ND            | *+        | 0.422 | 0.0422  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| Diethyl phthalate             | ND            |           | 0.422 | 0.0422  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| Dimethyl phthalate            | ND            |           | 0.422 | 0.0422  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| Di-n-butyl phthalate          | ND            |           | 1.26  | 0.383   | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| Di-n-octyl phthalate          | ND            |           | 0.422 | 0.0422  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| Fluoranthene                  | ND            |           | 0.422 | 0.0422  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| Fluorene                      | ND            |           | 0.422 | 0.0422  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| Hexachlorobenzene             | ND            | *+        | 0.422 | 0.0422  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| Hexachlorobutadiene           | ND            |           | 0.422 | 0.0422  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| Hexachlorocyclopentadiene     | ND            |           | 0.422 | 0.0422  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| Hexachloroethane              | ND            |           | 0.422 | 0.0422  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| Indeno[1,2,3-cd]pyrene        | ND            |           | 0.422 | 0.0422  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| Isophorone                    | ND            |           | 0.422 | 0.0422  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| Naphthalene                   | ND            |           | 0.422 | 0.0422  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| Nitrobenzene                  | ND            |           | 0.422 | 0.0422  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| N-Nitrosodi-n-propylamine     | ND            |           | 0.422 | 0.0422  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |

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# Client Sample Results

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

Job ID: 752-38206-1

**Client Sample ID: SED-6**

**Lab Sample ID: 752-38206-6**

Date Collected: 10/16/25 12:40

Matrix: Solid

Date Received: 10/16/25 15:00

Percent Solids: 73.3

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

| Analyte                     | Result    | Qualifier | RL       | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|--------|-------|---|----------------|----------------|---------|
| N-Nitrosodiphenylamine      | ND        |           | 0.422    | 0.0422 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| Pentachlorophenol           | ND        | *+        | 0.422    | 0.0422 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| Phenanthrene                | ND        |           | 0.422    | 0.0422 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| Phenol                      | ND        |           | 0.422    | 0.0422 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| Pyrene                      | ND        |           | 0.422    | 0.0422 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |        |       |   | Prepared       | Analyzed       | Dil Fac |
| 2,4,6-Tribromophenol (Surr) | 68        |           | 40 - 140 |        |       |   | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| 2-Fluorobiphenyl (Surr)     | 104       |           | 40 - 140 |        |       |   | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| 2-Fluorophenol (Surr)       | 101       |           | 40 - 140 |        |       |   | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| Nitrobenzene-d5 (Surr)      | 102       |           | 40 - 140 |        |       |   | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| Phenol-d5 (Surr)            | 95        |           | 40 - 140 |        |       |   | 10/20/25 12:54 | 10/23/25 18:28 | 1       |
| Terphenyl-d14 (Surr)        | 96        |           | 40 - 140 |        |       |   | 10/20/25 12:54 | 10/23/25 18:28 | 1       |

**Method: SW846 9056A - Anions, Ion Chromatography - Soluble**

| Analyte      | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|--------------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Nitrate as N | 2.66   | J         | 3.37 | 0.978 | mg/Kg | ☼ |          | 10/24/25 13:10 | 1       |
| Sulfate      | ND     |           | 13.5 | 13.2  | mg/Kg | ☼ |          | 10/24/25 13:10 | 1       |

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

| Analyte   | Result | Qualifier | RL    | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|-------|---------|-------|---|----------------|----------------|---------|
| Antimony  | 0.289  | J         | 0.969 | 0.221   | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:17 | 5       |
| Arsenic   | 0.616  |           | 0.581 | 0.0518  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:17 | 5       |
| Barium    | 14.6   |           | 2.42  | 0.0137  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:17 | 5       |
| Beryllium | 0.0557 | J         | 0.484 | 0.0340  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:17 | 5       |
| Cadmium   | 0.0869 | J         | 0.484 | 0.0158  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:17 | 5       |
| Chromium  | 5.65   |           | 0.969 | 0.200   | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:17 | 5       |
| Cobalt    | 1.57   |           | 0.727 | 0.0274  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:17 | 5       |
| Copper    | 8.65   |           | 0.484 | 0.0504  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:17 | 5       |
| Lead      | 27.0   |           | 0.484 | 0.0572  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:17 | 5       |
| Manganese | 83.1   |           | 0.969 | 0.0596  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:17 | 5       |
| Nickel    | 3.83   |           | 0.969 | 0.0253  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:17 | 5       |
| Selenium  | ND     |           | 2.42  | 0.172   | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:17 | 5       |
| Silver    | 0.0174 | J         | 0.242 | 0.00281 | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:17 | 5       |
| Thallium  | ND     |           | 0.678 | 0.0408  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:17 | 5       |
| Vanadium  | 8.27   |           | 0.969 | 0.122   | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:17 | 5       |
| Zinc      | 57.6   |           | 2.42  | 2.01    | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:17 | 5       |

**Method: SW846 7471B - Mercury (CVAA)**

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.130 | 0.0190 | mg/Kg | ☼ | 10/27/25 11:20 | 10/28/25 09:04 | 1       |

**General Chemistry**

| Analyte              | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Cr (VI) (SW846 7199) | ND     |           | 1.35 | 0.135 | mg/Kg | ☼ | 10/21/25 08:58 | 10/24/25 00:46 | 1       |

**General Chemistry - Soluble**

| Analyte                    | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------------------------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Ammonia (as N) (EPA 350.1) | ND     |           | 1.35 | 0.431 | mg/Kg | ☼ |          | 10/23/25 12:19 | 1       |

# Client Sample Results

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

Job ID: 752-38206-1

**Client Sample ID: SED-7**

**Lab Sample ID: 752-38206-7**

Date Collected: 10/16/25 13:10

Matrix: Solid

Date Received: 10/16/25 15:00

Percent Solids: 77.3

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

| Analyte                     | Result | Qualifier | RL      | MDL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|---------|----------|-------|---|----------------|----------------|---------|
| Acetone                     | 0.0296 |           | 0.0293  | 0.0141   | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| Benzene                     | ND     |           | 0.00586 | 0.000786 | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| Bromobenzene                | ND     |           | 0.00586 | 0.00152  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| Chlorobromomethane          | ND     |           | 0.00586 | 0.000950 | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| Dichlorobromomethane        | ND     |           | 0.00586 | 0.00108  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| Bromoform                   | ND     |           | 0.00586 | 0.00152  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| Bromomethane                | ND     |           | 0.00586 | 0.00293  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| 2-Butanone (MEK)            | ND     |           | 0.0293  | 0.00704  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| n-Butylbenzene              | ND     |           | 0.00586 | 0.00113  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| sec-Butylbenzene            | ND     |           | 0.00586 | 0.00111  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| tert-Butylbenzene           | ND     |           | 0.00586 | 0.00129  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| Carbon disulfide            | ND     |           | 0.00586 | 0.00297  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| Carbon tetrachloride        | ND     |           | 0.00586 | 0.00199  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| Chlorobenzene               | ND     |           | 0.00586 | 0.00155  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| Chloroethane                | ND     |           | 0.00586 | 0.00387  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| Chloroform                  | ND     |           | 0.00586 | 0.00160  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| Chloromethane               | ND     |           | 0.00586 | 0.00259  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| 2-Chlorotoluene             | ND     |           | 0.00586 | 0.00195  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| 4-Chlorotoluene             | ND     |           | 0.00586 | 0.00115  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| Chlorodibromomethane        | ND     |           | 0.00586 | 0.00141  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND     | *1        | 0.00586 | 0.00387  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| Ethylene Dibromide          | ND     |           | 0.00586 | 0.00117  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| Dibromomethane              | ND     |           | 0.00586 | 0.000973 | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| 1,2-Dichlorobenzene         | ND     |           | 0.00586 | 0.00186  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| 1,3-Dichlorobenzene         | ND     |           | 0.00586 | 0.00111  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| 1,4-Dichlorobenzene         | ND     |           | 0.00586 | 0.00101  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| trans-1,4-Dichloro-2-butene | ND     |           | 0.00586 | 0.00293  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| 1,1-Dichloroethane          | ND     |           | 0.00586 | 0.000973 | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| 1,2-Dichloroethane          | ND     |           | 0.00586 | 0.00216  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 0.00586 | 0.000891 | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| trans-1,2-Dichloroethene    | ND     |           | 0.00586 | 0.00113  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| 1,1-Dichloroethene          | ND     |           | 0.00586 | 0.00246  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| 1,2-Dichloropropane         | ND     |           | 0.00586 | 0.000891 | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| 1,3-Dichloropropane         | ND     | *+        | 0.00586 | 0.00117  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| 2,2-Dichloropropane         | ND     |           | 0.00586 | 0.00129  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| 1,1-Dichloropropene         | ND     |           | 0.00586 | 0.000973 | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.00586 | 0.00141  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| trans-1,3-Dichloropropene   | ND     | *+        | 0.00586 | 0.00129  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| Ethylbenzene                | ND     |           | 0.00586 | 0.000715 | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| Hexachlorobutadiene         | ND     | *1        | 0.00586 | 0.00293  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| 2-Hexanone                  | ND     | *+        | 0.0293  | 0.00586  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| Iodomethane                 | ND     |           | 0.00586 | 0.00399  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| Isopropylbenzene            | ND     |           | 0.00586 | 0.000798 | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| 4-Isopropyltoluene          | ND     |           | 0.00586 | 0.00117  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| Methylene Chloride          | ND     |           | 0.0176  | 0.0117   | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     |           | 0.0293  | 0.0158   | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| Methyl tert-butyl ether     | ND     |           | 0.00586 | 0.00117  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| Naphthalene                 | ND     | *1        | 0.00586 | 0.00352  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| N-Propylbenzene             | ND     |           | 0.00586 | 0.00106  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |

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# Client Sample Results

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

Job ID: 752-38206-1

**Client Sample ID: SED-7**

**Lab Sample ID: 752-38206-7**

Date Collected: 10/16/25 13:10

Matrix: Solid

Date Received: 10/16/25 15:00

Percent Solids: 77.3

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

| Analyte                               | Result         | Qualifier | RL      | MDL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------------|----------------|-----------|---------|----------|-------|---|----------------|----------------|---------|
| Styrene                               | ND             |           | 0.00586 | 0.00117  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| 1,1,1,2-Tetrachloroethane             | ND             |           | 0.00586 | 0.00129  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND             |           | 0.00586 | 0.00202  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| Tetrachloroethene                     | ND             |           | 0.00586 | 0.00352  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| <b>Toluene</b>                        | <b>0.00250</b> | <b>J</b>  | 0.00586 | 0.00117  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| 1,2,3-Trichlorobenzene                | ND             | *1        | 0.00586 | 0.00129  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| 1,2,4-Trichlorobenzene                | ND             | *1        | 0.00586 | 0.00236  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| 1,1,1-Trichloroethane                 | ND             |           | 0.00586 | 0.00129  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| 1,1,2-Trichloroethane                 | ND             | *+        | 0.00586 | 0.00189  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| Trichloroethene                       | ND             |           | 0.00586 | 0.00117  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| Trichlorofluoromethane                | ND             |           | 0.00586 | 0.00284  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| 1,2,3-Trichloropropane                | ND             |           | 0.00586 | 0.00244  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND             |           | 0.00586 | 0.00220  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| 1,2,4-Trimethylbenzene                | ND             |           | 0.00586 | 0.00117  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| 1,3,5-Trimethylbenzene                | ND             |           | 0.00586 | 0.000973 | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| Vinyl acetate                         | ND             |           | 0.0293  | 0.00748  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| Vinyl chloride                        | ND             |           | 0.00586 | 0.00256  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| o-Xylene                              | ND             |           | 0.00586 | 0.00352  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| m-Xylene & p-Xylene                   | ND             |           | 0.00586 | 0.00352  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| Xylenes, Total                        | ND             |           | 0.0117  | 0.00704  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| Isopropyl ether                       | ND             | *+        | 0.00586 | 0.00162  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| Hexane                                | ND             |           | 0.00586 | 0.00305  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| n-Heptane                             | ND             |           | 0.00586 | 0.00339  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| Ethyl acetate                         | ND             |           | 0.0235  | 0.00586  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:04 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene         | 100       |           | 50 - 150 | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| Dibromofluoromethane         | 103       |           | 50 - 150 | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| Toluene-d8 (Surr)            | 91        |           | 50 - 150 | 10/22/25 15:18 | 10/23/25 00:04 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 119       |           | 50 - 150 | 10/22/25 15:18 | 10/23/25 00:04 | 1       |

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

| Analyte     | Result | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------|--------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| 1,4-Dioxane | ND     |           | 0.00299 | 0.00299 | mg/Kg | ☼ | 10/20/25 13:25 | 10/22/25 18:00 | 2       |

| Isotope Dilution | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Dioxane-d8   | 48        |           | 10 - 150 | 10/20/25 13:25 | 10/22/25 18:00 | 2       |

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

| Analyte               | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| 1,1'-Biphenyl         | ND     |           | 0.356 | 0.0104 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| 2,4,5-Trichlorophenol | ND     | *+        | 0.356 | 0.0356 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| 2,4,6-Trichlorophenol | ND     |           | 0.356 | 0.0356 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| 2,4-Dichlorophenol    | ND     |           | 0.356 | 0.0356 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| 2,4-Dimethylphenol    | ND     |           | 0.356 | 0.0356 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| 2,4-Dinitrophenol     | ND     |           | 1.07  | 0.0356 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| 2,4-Dinitrotoluene    | ND     | *+        | 0.356 | 0.0356 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| 2,6-Dinitrotoluene    | ND     | *+        | 0.356 | 0.0356 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| 2-Chloronaphthalene   | ND     | *+        | 0.356 | 0.0356 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| 2-Chlorophenol        | ND     |           | 0.356 | 0.0356 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| 2-Methylnaphthalene   | ND     |           | 0.356 | 0.0356 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |

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# Client Sample Results

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

Job ID: 752-38206-1

**Client Sample ID: SED-7**

**Lab Sample ID: 752-38206-7**

**Date Collected: 10/16/25 13:10**

**Matrix: Solid**

**Date Received: 10/16/25 15:00**

**Percent Solids: 77.3**

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

| Analyte                       | Result        | Qualifier | RL    | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|---------------|-----------|-------|---------|-------|---|----------------|----------------|---------|
| 2-Methylphenol                | ND            | *+        | 0.356 | 0.0356  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| 2-Nitroaniline                | ND            |           | 0.356 | 0.0356  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| 2-Nitrophenol                 | ND            |           | 0.356 | 0.0356  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| 3 & 4 Methylphenol            | ND            |           | 0.713 | 0.0356  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| 3,3'-Dichlorobenzidine        | ND            |           | 0.356 | 0.0356  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| 3-Nitroaniline                | ND            |           | 0.356 | 0.0356  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND            |           | 0.356 | 0.0356  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| 4-Bromophenyl phenyl ether    | ND            | *+        | 0.356 | 0.0356  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| 4-Chloro-3-methylphenol       | ND            |           | 0.356 | 0.0356  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| 4-Chloroaniline               | ND            |           | 0.356 | 0.0356  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| 4-Chlorophenyl phenyl ether   | ND            | *+        | 0.356 | 0.0356  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| 4-Nitroaniline                | ND            |           | 0.356 | 0.0356  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| 4-Nitrophenol                 | ND            | *+        | 0.356 | 0.0356  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| Acenaphthene                  | ND            |           | 0.356 | 0.0356  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| Acenaphthylene                | ND            |           | 0.356 | 0.0356  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| Acetophenone                  | ND            | *+        | 0.356 | 0.0356  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| Anthracene                    | ND            |           | 0.356 | 0.0356  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| Atrazine                      | ND            |           | 0.356 | 0.0356  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| Benzaldehyde                  | ND            |           | 0.356 | 0.0356  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| <b>Benzo[a]anthracene</b>     | <b>0.0368</b> | <b>J</b>  | 0.356 | 0.0356  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| <b>Benzo[a]pyrene</b>         | <b>0.0554</b> | <b>J</b>  | 0.356 | 0.0356  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| <b>Benzo[b]fluoranthene</b>   | <b>0.0795</b> | <b>J</b>  | 0.356 | 0.00151 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| <b>Benzo[g,h,i]perylene</b>   | <b>0.0483</b> | <b>J</b>  | 0.356 | 0.0356  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| Benzo[k]fluoranthene          | ND            |           | 0.356 | 0.0356  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| bis (2-chloroisopropyl) ether | ND            | *+        | 0.356 | 0.0356  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| Bis(2-chloroethoxy)methane    | ND            |           | 0.356 | 0.0356  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| Bis(2-chloroethyl)ether       | ND            | *+        | 0.356 | 0.0356  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND            |           | 0.356 | 0.108   | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| Butyl benzyl phthalate        | ND            |           | 0.356 | 0.0356  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| Caprolactam                   | ND            |           | 0.356 | 0.0356  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| Carbazole                     | ND            |           | 0.356 | 0.0356  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| <b>Chrysene</b>               | <b>0.0503</b> | <b>J</b>  | 0.356 | 0.0356  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| Dibenz(a,h)anthracene         | ND            |           | 0.356 | 0.0356  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| Dibenzofuran                  | ND            | *+        | 0.356 | 0.0356  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| Diethyl phthalate             | ND            |           | 0.356 | 0.0356  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| Dimethyl phthalate            | ND            |           | 0.356 | 0.0356  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| Di-n-butyl phthalate          | ND            |           | 1.07  | 0.324   | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| Di-n-octyl phthalate          | ND            |           | 0.356 | 0.0356  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| <b>Fluoranthene</b>           | <b>0.0801</b> | <b>J</b>  | 0.356 | 0.0356  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| Fluorene                      | ND            |           | 0.356 | 0.0356  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| Hexachlorobenzene             | ND            | *+        | 0.356 | 0.0356  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| Hexachlorobutadiene           | ND            |           | 0.356 | 0.0356  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| Hexachlorocyclopentadiene     | ND            |           | 0.356 | 0.0356  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| Hexachloroethane              | ND            |           | 0.356 | 0.0356  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| <b>Indeno[1,2,3-cd]pyrene</b> | <b>0.0467</b> | <b>J</b>  | 0.356 | 0.0356  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| Isophorone                    | ND            |           | 0.356 | 0.0356  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| Naphthalene                   | ND            |           | 0.356 | 0.0356  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| Nitrobenzene                  | ND            |           | 0.356 | 0.0356  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| N-Nitrosodi-n-propylamine     | ND            |           | 0.356 | 0.0356  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |

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# Client Sample Results

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

Job ID: 752-38206-1

**Client Sample ID: SED-7**

**Lab Sample ID: 752-38206-7**

Date Collected: 10/16/25 13:10

Matrix: Solid

Date Received: 10/16/25 15:00

Percent Solids: 77.3

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

| Analyte                | Result        | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|---------------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| N-Nitrosodiphenylamine | ND            |           | 0.356 | 0.0356 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| Pentachlorophenol      | ND            | *+        | 0.356 | 0.0356 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| Phenanthrene           | ND            |           | 0.356 | 0.0356 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| Phenol                 | ND            |           | 0.356 | 0.0356 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| <b>Pyrene</b>          | <b>0.0671</b> | <b>J</b>  | 0.356 | 0.0356 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 18:59 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 81        |           | 40 - 140 | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| 2-Fluorobiphenyl (Surr)     | 112       |           | 40 - 140 | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| 2-Fluorophenol (Surr)       | 106       |           | 40 - 140 | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| Nitrobenzene-d5 (Surr)      | 110       |           | 40 - 140 | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| Phenol-d5 (Surr)            | 101       |           | 40 - 140 | 10/20/25 12:54 | 10/23/25 18:59 | 1       |
| Terphenyl-d14 (Surr)        | 114       |           | 40 - 140 | 10/20/25 12:54 | 10/23/25 18:59 | 1       |

**Method: SW846 9056A - Anions, Ion Chromatography - Soluble**

| Analyte             | Result      | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|---------------------|-------------|-----------|------|-------|-------|---|----------|----------------|---------|
| <b>Nitrate as N</b> | <b>2.58</b> | <b>J</b>  | 3.22 | 0.933 | mg/Kg | ☼ |          | 10/24/25 13:56 | 1       |
| Sulfate             | ND          |           | 12.9 | 12.6  | mg/Kg | ☼ |          | 10/24/25 13:56 | 1       |

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

| Analyte          | Result        | Qualifier | RL    | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------|---------------|-----------|-------|---------|-------|---|----------------|----------------|---------|
| Antimony         | ND            |           | 0.784 | 0.179   | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:20 | 5       |
| <b>Arsenic</b>   | <b>0.427</b>  | <b>J</b>  | 0.470 | 0.0419  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:20 | 5       |
| <b>Barium</b>    | <b>9.81</b>   |           | 1.96  | 0.0111  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:20 | 5       |
| <b>Beryllium</b> | <b>0.0457</b> | <b>J</b>  | 0.392 | 0.0275  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:20 | 5       |
| <b>Cadmium</b>   | <b>0.0457</b> | <b>J</b>  | 0.392 | 0.0128  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:20 | 5       |
| <b>Chromium</b>  | <b>4.41</b>   |           | 0.784 | 0.162   | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:20 | 5       |
| <b>Cobalt</b>    | <b>1.06</b>   |           | 0.588 | 0.0222  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:20 | 5       |
| <b>Copper</b>    | <b>5.26</b>   |           | 0.392 | 0.0408  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:20 | 5       |
| <b>Lead</b>      | <b>13.7</b>   |           | 0.392 | 0.0463  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:20 | 5       |
| <b>Manganese</b> | <b>64.5</b>   |           | 0.784 | 0.0482  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:20 | 5       |
| <b>Nickel</b>    | <b>2.40</b>   |           | 0.784 | 0.0205  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:20 | 5       |
| Selenium         | ND            |           | 1.96  | 0.139   | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:20 | 5       |
| <b>Silver</b>    | <b>0.0192</b> | <b>J</b>  | 0.196 | 0.00227 | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:20 | 5       |
| Thallium         | ND            |           | 0.549 | 0.0330  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:20 | 5       |
| <b>Vanadium</b>  | <b>6.42</b>   |           | 0.784 | 0.0984  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:20 | 5       |
| <b>Zinc</b>      | <b>28.5</b>   |           | 1.96  | 1.63    | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:20 | 5       |

**Method: SW846 7471B - Mercury (CVAA)**

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.121 | 0.0177 | mg/Kg | ☼ | 10/27/25 11:20 | 10/28/25 09:08 | 1       |

**General Chemistry**

| Analyte              | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Cr (VI) (SW846 7199) | ND     |           | 1.22 | 0.122 | mg/Kg | ☼ | 10/21/25 08:58 | 10/24/25 00:59 | 1       |

**General Chemistry - Soluble**

| Analyte                    | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------------------------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Ammonia (as N) (EPA 350.1) | ND     |           | 1.27 | 0.406 | mg/Kg | ☼ |          | 10/23/25 12:33 | 1       |

# Client Sample Results

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

Job ID: 752-38206-1

**Client Sample ID: 101625-Dup-SED**

**Lab Sample ID: 752-38206-8**

Date Collected: 10/16/25 00:00

Matrix: Solid

Date Received: 10/16/25 15:00

Percent Solids: 73.1

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

| Analyte                     | Result | Qualifier | RL     | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|--------|---------|-------|---|----------------|----------------|---------|
| Acetone                     | ND     |           | 0.0669 | 0.0321  | mg/Kg | ✳ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| Benzene                     | ND     |           | 0.0134 | 0.00179 | mg/Kg | ✳ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| Bromobenzene                | ND     |           | 0.0134 | 0.00348 | mg/Kg | ✳ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| Chlorobromomethane          | ND     |           | 0.0134 | 0.00217 | mg/Kg | ✳ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| Dichlorobromomethane        | ND     |           | 0.0134 | 0.00246 | mg/Kg | ✳ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| Bromoform                   | ND     |           | 0.0134 | 0.00348 | mg/Kg | ✳ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| Bromomethane                | ND     |           | 0.0134 | 0.00669 | mg/Kg | ✳ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| 2-Butanone (MEK)            | ND     |           | 0.0669 | 0.0160  | mg/Kg | ✳ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| n-Butylbenzene              | ND     |           | 0.0134 | 0.00257 | mg/Kg | ✳ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| sec-Butylbenzene            | ND     |           | 0.0134 | 0.00254 | mg/Kg | ✳ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| tert-Butylbenzene           | ND     |           | 0.0134 | 0.00294 | mg/Kg | ✳ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| Carbon disulfide            | ND     |           | 0.0134 | 0.00677 | mg/Kg | ✳ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| Carbon tetrachloride        | ND     |           | 0.0134 | 0.00455 | mg/Kg | ✳ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| Chlorobenzene               | ND     |           | 0.0134 | 0.00353 | mg/Kg | ✳ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| Chloroethane                | ND     |           | 0.0134 | 0.00883 | mg/Kg | ✳ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| Chloroform                  | ND     |           | 0.0134 | 0.00364 | mg/Kg | ✳ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| Chloromethane               | ND     |           | 0.0134 | 0.00591 | mg/Kg | ✳ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| 2-Chlorotoluene             | ND     |           | 0.0134 | 0.00444 | mg/Kg | ✳ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| 4-Chlorotoluene             | ND     |           | 0.0134 | 0.00262 | mg/Kg | ✳ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| Chlorodibromomethane        | ND     |           | 0.0134 | 0.00321 | mg/Kg | ✳ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND     | *1        | 0.0134 | 0.00883 | mg/Kg | ✳ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| Ethylene Dibromide          | ND     |           | 0.0134 | 0.00267 | mg/Kg | ✳ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| Dibromomethane              | ND     |           | 0.0134 | 0.00222 | mg/Kg | ✳ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| 1,2-Dichlorobenzene         | ND     |           | 0.0134 | 0.00425 | mg/Kg | ✳ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| 1,3-Dichlorobenzene         | ND     |           | 0.0134 | 0.00254 | mg/Kg | ✳ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| 1,4-Dichlorobenzene         | ND     |           | 0.0134 | 0.00230 | mg/Kg | ✳ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| trans-1,4-Dichloro-2-butene | ND     |           | 0.0134 | 0.00669 | mg/Kg | ✳ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| 1,1-Dichloroethane          | ND     |           | 0.0134 | 0.00222 | mg/Kg | ✳ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| 1,2-Dichloroethane          | ND     |           | 0.0134 | 0.00492 | mg/Kg | ✳ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 0.0134 | 0.00203 | mg/Kg | ✳ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| trans-1,2-Dichloroethene    | ND     |           | 0.0134 | 0.00257 | mg/Kg | ✳ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| 1,1-Dichloroethene          | ND     |           | 0.0134 | 0.00562 | mg/Kg | ✳ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| 1,2-Dichloropropane         | ND     |           | 0.0134 | 0.00203 | mg/Kg | ✳ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| 1,3-Dichloropropane         | ND     | *+        | 0.0134 | 0.00267 | mg/Kg | ✳ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| 2,2-Dichloropropane         | ND     |           | 0.0134 | 0.00294 | mg/Kg | ✳ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| 1,1-Dichloropropene         | ND     |           | 0.0134 | 0.00222 | mg/Kg | ✳ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.0134 | 0.00321 | mg/Kg | ✳ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| trans-1,3-Dichloropropene   | ND     | *+        | 0.0134 | 0.00294 | mg/Kg | ✳ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| Ethylbenzene                | ND     |           | 0.0134 | 0.00163 | mg/Kg | ✳ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| Hexachlorobutadiene         | ND     | *1        | 0.0134 | 0.00669 | mg/Kg | ✳ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| 2-Hexanone                  | ND     | *+        | 0.0669 | 0.0134  | mg/Kg | ✳ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| Iodomethane                 | ND     |           | 0.0134 | 0.00909 | mg/Kg | ✳ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| Isopropylbenzene            | ND     |           | 0.0134 | 0.00182 | mg/Kg | ✳ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| 4-Isopropyltoluene          | ND     |           | 0.0134 | 0.00267 | mg/Kg | ✳ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| Methylene Chloride          | ND     |           | 0.0401 | 0.0267  | mg/Kg | ✳ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     |           | 0.0669 | 0.0359  | mg/Kg | ✳ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| Methyl tert-butyl ether     | ND     |           | 0.0134 | 0.00267 | mg/Kg | ✳ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| Naphthalene                 | ND     | *1        | 0.0134 | 0.00802 | mg/Kg | ✳ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| N-Propylbenzene             | ND     |           | 0.0134 | 0.00241 | mg/Kg | ✳ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |

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# Client Sample Results

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

Job ID: 752-38206-1

**Client Sample ID: 101625-Dup-SED**

**Lab Sample ID: 752-38206-8**

Date Collected: 10/16/25 00:00

Matrix: Solid

Date Received: 10/16/25 15:00

Percent Solids: 73.1

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

| Analyte                               | Result | Qualifier | RL     | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|--------|---------|-------|---|----------------|----------------|---------|
| Styrene                               | ND     |           | 0.0134 | 0.00267 | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.0134 | 0.00294 | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.0134 | 0.00460 | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| Tetrachloroethene                     | ND     |           | 0.0134 | 0.00802 | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| Toluene                               | ND     |           | 0.0134 | 0.00267 | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| 1,2,3-Trichlorobenzene                | ND     | *1        | 0.0134 | 0.00294 | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| 1,2,4-Trichlorobenzene                | ND     | *1        | 0.0134 | 0.00538 | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.0134 | 0.00294 | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| 1,1,2-Trichloroethane                 | ND     | *+        | 0.0134 | 0.00431 | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| Trichloroethene                       | ND     |           | 0.0134 | 0.00267 | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| Trichlorofluoromethane                | ND     |           | 0.0134 | 0.00647 | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.0134 | 0.00556 | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.0134 | 0.00503 | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.0134 | 0.00267 | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.0134 | 0.00222 | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| Vinyl acetate                         | ND     |           | 0.0669 | 0.0171  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| Vinyl chloride                        | ND     |           | 0.0134 | 0.00583 | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| o-Xylene                              | ND     |           | 0.0134 | 0.00802 | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| m-Xylene & p-Xylene                   | ND     |           | 0.0134 | 0.00802 | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| Xylenes, Total                        | ND     |           | 0.0267 | 0.0160  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| Isopropyl ether                       | ND     | *+        | 0.0134 | 0.00369 | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| Hexane                                | ND     |           | 0.0134 | 0.00695 | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| n-Heptane                             | ND     |           | 0.0134 | 0.00773 | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| Ethyl acetate                         | ND     |           | 0.0535 | 0.0134  | mg/Kg | ☼ | 10/22/25 15:18 | 10/23/25 00:24 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene         | 76        |           | 50 - 150 | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| Dibromofluoromethane         | 106       |           | 50 - 150 | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| Toluene-d8 (Surr)            | 96        |           | 50 - 150 | 10/22/25 15:18 | 10/23/25 00:24 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 115       |           | 50 - 150 | 10/22/25 15:18 | 10/23/25 00:24 | 1       |

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

| Analyte     | Result | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------|--------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| 1,4-Dioxane | ND     |           | 0.00321 | 0.00321 | mg/Kg | ☼ | 10/20/25 13:25 | 10/22/25 18:21 | 2       |

| Isotope Dilution | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Dioxane-d8   | 52        |           | 10 - 150 | 10/20/25 13:25 | 10/22/25 18:21 | 2       |

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

| Analyte               | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| 1,1'-Biphenyl         | ND     |           | 0.420 | 0.0122 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| 2,4,5-Trichlorophenol | ND     | *+        | 0.420 | 0.0420 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| 2,4,6-Trichlorophenol | ND     |           | 0.420 | 0.0420 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| 2,4-Dichlorophenol    | ND     |           | 0.420 | 0.0420 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| 2,4-Dimethylphenol    | ND     |           | 0.420 | 0.0420 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| 2,4-Dinitrophenol     | ND     |           | 1.26  | 0.0420 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| 2,4-Dinitrotoluene    | ND     | *+        | 0.420 | 0.0420 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| 2,6-Dinitrotoluene    | ND     | *+        | 0.420 | 0.0420 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| 2-Chloronaphthalene   | ND     | *+        | 0.420 | 0.0420 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| 2-Chlorophenol        | ND     |           | 0.420 | 0.0420 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| 2-Methylnaphthalene   | ND     |           | 0.420 | 0.0420 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |

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# Client Sample Results

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

Job ID: 752-38206-1

**Client Sample ID: 101625-Dup-SED**

**Lab Sample ID: 752-38206-8**

Date Collected: 10/16/25 00:00

Matrix: Solid

Date Received: 10/16/25 15:00

Percent Solids: 73.1

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

| Analyte                       | Result        | Qualifier | RL    | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|---------------|-----------|-------|---------|-------|---|----------------|----------------|---------|
| 2-Methylphenol                | ND            | *+        | 0.420 | 0.0420  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| 2-Nitroaniline                | ND            |           | 0.420 | 0.0420  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| 2-Nitrophenol                 | ND            |           | 0.420 | 0.0420  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| 3 & 4 Methylphenol            | ND            |           | 0.839 | 0.0420  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| 3,3'-Dichlorobenzidine        | ND            |           | 0.420 | 0.0420  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| 3-Nitroaniline                | ND            |           | 0.420 | 0.0420  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND            |           | 0.420 | 0.0420  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| 4-Bromophenyl phenyl ether    | ND            | *+        | 0.420 | 0.0420  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| 4-Chloro-3-methylphenol       | ND            |           | 0.420 | 0.0420  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| 4-Chloroaniline               | ND            |           | 0.420 | 0.0420  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| 4-Chlorophenyl phenyl ether   | ND            | *+        | 0.420 | 0.0420  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| 4-Nitroaniline                | ND            |           | 0.420 | 0.0420  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| 4-Nitrophenol                 | ND            | *+        | 0.420 | 0.0420  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| Acenaphthene                  | ND            |           | 0.420 | 0.0420  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| Acenaphthylene                | ND            |           | 0.420 | 0.0420  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| Acetophenone                  | ND            | *+        | 0.420 | 0.0420  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| Anthracene                    | ND            |           | 0.420 | 0.0420  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| Atrazine                      | ND            |           | 0.420 | 0.0420  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| Benzaldehyde                  | ND            |           | 0.420 | 0.0420  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| Benzo[a]anthracene            | ND            |           | 0.420 | 0.0420  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| Benzo[a]pyrene                | ND            |           | 0.420 | 0.0420  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| <b>Benzo[b]fluoranthene</b>   | <b>0.0320</b> | <b>J</b>  | 0.420 | 0.00178 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| Benzo[g,h,i]perylene          | ND            |           | 0.420 | 0.0420  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| Benzo[k]fluoranthene          | ND            |           | 0.420 | 0.0420  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| bis (2-chloroisopropyl) ether | ND            | *+        | 0.420 | 0.0420  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| Bis(2-chloroethoxy)methane    | ND            |           | 0.420 | 0.0420  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| Bis(2-chloroethyl)ether       | ND            | *+        | 0.420 | 0.0420  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND            |           | 0.420 | 0.127   | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| Butyl benzyl phthalate        | ND            |           | 0.420 | 0.0420  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| <b>Caprolactam</b>            | <b>0.0754</b> | <b>J</b>  | 0.420 | 0.0420  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| Carbazole                     | ND            |           | 0.420 | 0.0420  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| Chrysene                      | ND            |           | 0.420 | 0.0420  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| Dibenz(a,h)anthracene         | ND            |           | 0.420 | 0.0420  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| Dibenzofuran                  | ND            | *+        | 0.420 | 0.0420  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| Diethyl phthalate             | ND            |           | 0.420 | 0.0420  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| Dimethyl phthalate            | ND            |           | 0.420 | 0.0420  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| Di-n-butyl phthalate          | ND            |           | 1.26  | 0.381   | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| Di-n-octyl phthalate          | ND            |           | 0.420 | 0.0420  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| Fluoranthene                  | ND            |           | 0.420 | 0.0420  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| Fluorene                      | ND            |           | 0.420 | 0.0420  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| Hexachlorobenzene             | ND            | *+        | 0.420 | 0.0420  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| Hexachlorobutadiene           | ND            |           | 0.420 | 0.0420  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| Hexachlorocyclopentadiene     | ND            |           | 0.420 | 0.0420  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| Hexachloroethane              | ND            |           | 0.420 | 0.0420  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| Indeno[1,2,3-cd]pyrene        | ND            |           | 0.420 | 0.0420  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| Isophorone                    | ND            |           | 0.420 | 0.0420  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| Naphthalene                   | ND            |           | 0.420 | 0.0420  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| Nitrobenzene                  | ND            |           | 0.420 | 0.0420  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| N-Nitrosodi-n-propylamine     | ND            |           | 0.420 | 0.0420  | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |

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# Client Sample Results

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

Job ID: 752-38206-1

**Client Sample ID: 101625-Dup-SED**

**Lab Sample ID: 752-38206-8**

Date Collected: 10/16/25 00:00

Matrix: Solid

Date Received: 10/16/25 15:00

Percent Solids: 73.1

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

| Analyte                | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| N-Nitrosodiphenylamine | ND     |           | 0.420 | 0.0420 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| Pentachlorophenol      | ND     | *+        | 0.420 | 0.0420 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| Phenanthrene           | ND     |           | 0.420 | 0.0420 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| Phenol                 | ND     |           | 0.420 | 0.0420 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| Pyrene                 | ND     |           | 0.420 | 0.0420 | mg/Kg | ☼ | 10/20/25 12:54 | 10/23/25 19:29 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 76        |           | 40 - 140 | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| 2-Fluorobiphenyl (Surr)     | 104       |           | 40 - 140 | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| 2-Fluorophenol (Surr)       | 109       |           | 40 - 140 | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| Nitrobenzene-d5 (Surr)      | 109       |           | 40 - 140 | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| Phenol-d5 (Surr)            | 100       |           | 40 - 140 | 10/20/25 12:54 | 10/23/25 19:29 | 1       |
| Terphenyl-d14 (Surr)        | 104       |           | 40 - 140 | 10/20/25 12:54 | 10/23/25 19:29 | 1       |

**Method: SW846 9056A - Anions, Ion Chromatography - Soluble**

| Analyte      | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|--------------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Nitrate as N | 1.85   | J         | 3.41 | 0.988 | mg/Kg | ☼ |          | 10/24/25 14:07 | 1       |
| Sulfate      | 24.3   |           | 13.6 | 13.4  | mg/Kg | ☼ |          | 10/24/25 14:07 | 1       |

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

| Analyte   | Result | Qualifier | RL    | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|-------|---------|-------|---|----------------|----------------|---------|
| Antimony  | ND     |           | 0.870 | 0.199   | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:22 | 5       |
| Arsenic   | 0.557  |           | 0.522 | 0.0466  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:22 | 5       |
| Barium    | 9.18   |           | 2.18  | 0.0123  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:22 | 5       |
| Beryllium | 0.0411 | J         | 0.435 | 0.0305  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:22 | 5       |
| Cadmium   | 0.0736 | J         | 0.435 | 0.0142  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:22 | 5       |
| Chromium  | 4.69   |           | 0.870 | 0.179   | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:22 | 5       |
| Cobalt    | 2.12   |           | 0.653 | 0.0246  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:22 | 5       |
| Copper    | 7.89   |           | 0.435 | 0.0453  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:22 | 5       |
| Lead      | 9.57   |           | 0.435 | 0.0514  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:22 | 5       |
| Manganese | 68.2   |           | 0.870 | 0.0535  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:22 | 5       |
| Nickel    | 7.10   |           | 0.870 | 0.0228  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:22 | 5       |
| Selenium  | ND     |           | 2.18  | 0.155   | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:22 | 5       |
| Silver    | 0.0239 | J         | 0.218 | 0.00252 | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:22 | 5       |
| Thallium  | ND     |           | 0.609 | 0.0367  | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:22 | 5       |
| Vanadium  | 8.42   |           | 0.870 | 0.109   | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:22 | 5       |
| Zinc      | 33.2   |           | 2.18  | 1.81    | mg/Kg | ☼ | 10/21/25 07:05 | 10/21/25 23:22 | 5       |

**Method: SW846 7471B - Mercury (CVAA)**

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.125 | 0.0182 | mg/Kg | ☼ | 10/27/25 11:20 | 10/28/25 09:11 | 1       |

**General Chemistry**

| Analyte              | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Cr (VI) (SW846 7199) | ND     |           | 1.25 | 0.125 | mg/Kg | ☼ | 10/21/25 08:58 | 10/24/25 01:11 | 1       |

**General Chemistry - Soluble**

| Analyte                    | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------------------------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Ammonia (as N) (EPA 350.1) | ND     |           | 1.33 | 0.424 | mg/Kg | ☼ |          | 10/23/25 12:35 | 1       |

# Client Sample Results

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

Job ID: 752-38206-1

**Client Sample ID: Trip Blank**

**Lab Sample ID: 752-38206-9**

Date Collected: 10/16/25 00:00

Matrix: Water

Date Received: 10/16/25 15:00

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

| Analyte                     | Result | Qualifier | RL   | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|--------|------|---|----------|----------------|---------|
| Acetone                     | ND     | *+        | 25.0 | 10.0   | ug/L |   |          | 10/24/25 14:09 | 1       |
| Benzene                     | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/24/25 14:09 | 1       |
| Bromobenzene                | ND     |           | 1.00 | 0.540  | ug/L |   |          | 10/24/25 14:09 | 1       |
| Bromoform                   | ND     |           | 5.00 | 0.250  | ug/L |   |          | 10/24/25 14:09 | 1       |
| Bromomethane                | ND     | *+        | 1.00 | 0.980  | ug/L |   |          | 10/24/25 14:09 | 1       |
| 2-Butanone (MEK)            | ND     |           | 25.0 | 2.60   | ug/L |   |          | 10/24/25 14:09 | 1       |
| Carbon disulfide            | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/24/25 14:09 | 1       |
| Carbon tetrachloride        | ND     |           | 1.00 | 0.190  | ug/L |   |          | 10/24/25 14:09 | 1       |
| Chlorobenzene               | ND     |           | 1.00 | 0.420  | ug/L |   |          | 10/24/25 14:09 | 1       |
| Chlorobromomethane          | ND     |           | 1.00 | 0.520  | ug/L |   |          | 10/24/25 14:09 | 1       |
| Chlorodibromomethane        | ND     |           | 1.00 | 0.240  | ug/L |   |          | 10/24/25 14:09 | 1       |
| Chloroethane                | ND     | *+        | 1.00 | 0.760  | ug/L |   |          | 10/24/25 14:09 | 1       |
| Chloroform                  | ND     |           | 1.00 | 0.900  | ug/L |   |          | 10/24/25 14:09 | 1       |
| Chloromethane               | ND     |           | 1.00 | 0.400  | ug/L |   |          | 10/24/25 14:09 | 1       |
| 2-Chlorotoluene             | ND     |           | 1.00 | 0.570  | ug/L |   |          | 10/24/25 14:09 | 1       |
| 4-Chlorotoluene             | ND     |           | 1.00 | 0.560  | ug/L |   |          | 10/24/25 14:09 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 1.00 | 0.200  | ug/L |   |          | 10/24/25 14:09 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 5.00 | 0.500  | ug/L |   |          | 10/24/25 14:09 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND     |           | 5.00 | 1.50   | ug/L |   |          | 10/24/25 14:09 | 1       |
| Dibromomethane              | ND     |           | 5.00 | 0.220  | ug/L |   |          | 10/24/25 14:09 | 1       |
| 1,2-Dichlorobenzene         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/24/25 14:09 | 1       |
| 1,3-Dichlorobenzene         | ND     |           | 1.00 | 0.540  | ug/L |   |          | 10/24/25 14:09 | 1       |
| 1,4-Dichlorobenzene         | ND     |           | 1.00 | 0.640  | ug/L |   |          | 10/24/25 14:09 | 1       |
| Dichlorobromomethane        | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/24/25 14:09 | 1       |
| 1,1-Dichloroethane          | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/24/25 14:09 | 1       |
| 1,2-Dichloroethane          | ND     |           | 1.00 | 0.550  | ug/L |   |          | 10/24/25 14:09 | 1       |
| 1,1-Dichloroethene          | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/24/25 14:09 | 1       |
| 1,2-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/24/25 14:09 | 1       |
| 1,3-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/24/25 14:09 | 1       |
| 2,2-Dichloropropane         | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/24/25 14:09 | 1       |
| 1,1-Dichloropropene         | ND     |           | 1.00 | 0.0900 | ug/L |   |          | 10/24/25 14:09 | 1       |
| Ethyl acetate               | ND     |           | 10.0 | 6.14   | ug/L |   |          | 10/24/25 14:09 | 1       |
| Ethylbenzene                | ND     |           | 1.00 | 0.500  | ug/L |   |          | 10/24/25 14:09 | 1       |
| Ethylene Dibromide          | ND     |           | 1.00 | 0.230  | ug/L |   |          | 10/24/25 14:09 | 1       |
| Hexachlorobutadiene         | ND     |           | 5.00 | 0.900  | ug/L |   |          | 10/24/25 14:09 | 1       |
| Hexane                      | ND     |           | 1.00 | 0.960  | ug/L |   |          | 10/24/25 14:09 | 1       |
| 2-Hexanone                  | ND     |           | 25.0 | 4.26   | ug/L |   |          | 10/24/25 14:09 | 1       |
| Iodomethane                 | ND     |           | 1.00 | 0.900  | ug/L |   |          | 10/24/25 14:09 | 1       |
| Isopropylbenzene            | ND     |           | 1.00 | 0.530  | ug/L |   |          | 10/24/25 14:09 | 1       |
| Isopropyl ether             | ND     |           | 1.00 | 0.740  | ug/L |   |          | 10/24/25 14:09 | 1       |
| 4-Isopropyltoluene          | ND     |           | 1.00 | 0.710  | ug/L |   |          | 10/24/25 14:09 | 1       |
| Methylene Chloride          | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/24/25 14:09 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     |           | 25.0 | 1.80   | ug/L |   |          | 10/24/25 14:09 | 1       |
| Methyl tert-butyl ether     | ND     |           | 1.00 | 0.220  | ug/L |   |          | 10/24/25 14:09 | 1       |
| m-Xylene & p-Xylene         | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/24/25 14:09 | 1       |
| Naphthalene                 | ND     |           | 5.00 | 3.00   | ug/L |   |          | 10/24/25 14:09 | 1       |
| n-Butylbenzene              | ND     | *+        | 1.00 | 0.760  | ug/L |   |          | 10/24/25 14:09 | 1       |
| n-Heptane                   | ND     |           | 1.00 | 0.210  | ug/L |   |          | 10/24/25 14:09 | 1       |
| N-Propylbenzene             | ND     |           | 1.00 | 0.690  | ug/L |   |          | 10/24/25 14:09 | 1       |

# Client Sample Results

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

Job ID: 752-38206-1

**Client Sample ID: Trip Blank**

**Lab Sample ID: 752-38206-9**

Date Collected: 10/16/25 00:00

Matrix: Water

Date Received: 10/16/25 15:00

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| o-Xylene                              | ND     |           | 5.00 | 3.00  | ug/L |   |          | 10/24/25 14:09 | 1       |
| sec-Butylbenzene                      | ND     |           | 1.00 | 0.700 | ug/L |   |          | 10/24/25 14:09 | 1       |
| Styrene                               | ND     |           | 1.00 | 1.00  | ug/L |   |          | 10/24/25 14:09 | 1       |
| tert-Butylbenzene                     | ND     |           | 1.00 | 0.630 | ug/L |   |          | 10/24/25 14:09 | 1       |
| 1,1,1,2-Tetrachloroethane             | ND     |           | 1.00 | 0.380 | ug/L |   |          | 10/24/25 14:09 | 1       |
| 1,1,1,2,2-Tetrachloroethane           | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/24/25 14:09 | 1       |
| Tetrachloroethene                     | ND     |           | 1.00 | 0.330 | ug/L |   |          | 10/24/25 14:09 | 1       |
| Toluene                               | ND     |           | 1.00 | 0.900 | ug/L |   |          | 10/24/25 14:09 | 1       |
| trans-1,4-Dichloro-2-butene           | ND     |           | 5.00 | 1.00  | ug/L |   |          | 10/24/25 14:09 | 1       |
| trans-1,2-Dichloroethene              | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/24/25 14:09 | 1       |
| trans-1,3-Dichloropropene             | ND     |           | 5.00 | 0.200 | ug/L |   |          | 10/24/25 14:09 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 1.00 | 0.900 | ug/L |   |          | 10/24/25 14:09 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 1.00 | 0.820 | ug/L |   |          | 10/24/25 14:09 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 1.00 | 0.180 | ug/L |   |          | 10/24/25 14:09 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 5.00 | 0.210 | ug/L |   |          | 10/24/25 14:09 | 1       |
| Trichloroethene                       | ND     |           | 1.00 | 0.150 | ug/L |   |          | 10/24/25 14:09 | 1       |
| Trichlorofluoromethane                | ND     |           | 1.00 | 0.250 | ug/L |   |          | 10/24/25 14:09 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 5.00 | 0.840 | ug/L |   |          | 10/24/25 14:09 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/24/25 14:09 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 1.00 | 0.820 | ug/L |   |          | 10/24/25 14:09 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 1.00 | 0.560 | ug/L |   |          | 10/24/25 14:09 | 1       |
| Vinyl acetate                         | ND     |           | 25.0 | 0.930 | ug/L |   |          | 10/24/25 14:09 | 1       |
| Vinyl chloride                        | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/24/25 14:09 | 1       |
| Xylenes, Total                        | ND     |           | 10.0 | 6.00  | ug/L |   |          | 10/24/25 14:09 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene         | 99        |           | 56 - 136 |          | 10/24/25 14:09 | 1       |
| Dibromofluoromethane         | 108       |           | 79 - 130 |          | 10/24/25 14:09 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 109       |           | 59 - 146 |          | 10/24/25 14:09 | 1       |
| Toluene-d8 (Surr)            | 103       |           | 64 - 132 |          | 10/24/25 14:09 | 1       |

# Surrogate Summary

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

Job ID: 752-38206-1

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

Matrix: Solid

Prep Type: Total/NA

| Lab Sample ID      | Client Sample ID       | Percent Surrogate Recovery (Acceptance Limits) |                  |                 |                 |
|--------------------|------------------------|--|------------------|-----------------|-----------------|
|                    |                        | BFB<br>(50-150)                                | DBFM<br>(50-150) | TOL<br>(50-150) | DCA<br>(50-150) |
| 752-38206-1        | SED-1                  | 86   | 94               | 100             | 107             |
| 752-38206-2        | SED-2                  | 108  | 102              | 129             | 121             |
| 752-38206-3        | SED-3                  | 97   | 114              | 102             | 144             |
| 752-38206-4        | SED-4                  | 91   | 110              | 97              | 139             |
| 752-38206-5        | SED-5                  | 95   | 105              | 137             | 118             |
| 752-38206-6        | SED-6                  | 97   | 112              | 103             | 143             |
| 752-38206-7        | SED-7                  | 100  | 103              | 91              | 119             |
| 752-38206-8        | 101625-Dup-SED         | 76   | 106              | 96              | 115             |
| LCS 400-727744/2-A | Lab Control Sample     | 110  | 83               | 101             | 96              |
| LCS 400-727744/3-A | Lab Control Sample Dup | 101  | 96               | 117             | 97              |
| MB 400-727744/1-A  | Method Blank           | 98   | 90               | 74              | 108             |

**Surrogate Legend**

BFB = 4-Bromofluorobenzene  
DBFM = Dibromofluoromethane  
TOL = Toluene-d8 (Surr)  
DCA = 1,2-Dichloroethane-d4 (Surr)

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

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID       | Client Sample ID   | Percent Surrogate Recovery (Acceptance Limits) |                  |                 |                 |
|---------------------|--------------------|--|------------------|-----------------|-----------------|
|                     |                    | BFB<br>(56-136)                                | DBFM<br>(79-130) | DCA<br>(59-146) | TOL<br>(64-132) |
| 752-38206-9         | Trip Blank         | 99   | 108              | 109             | 103             |
| LCS 400-728000/1002 | Lab Control Sample | 93   | 105              | 100             | 103             |
| MB 400-728000/5     | Method Blank       | 101  | 107              | 110             | 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: Solid

Prep Type: Total/NA

| Lab Sample ID      | Client Sample ID   | Percent Surrogate Recovery (Acceptance Limits) |                 |                 |                 |                 |                  |
|--------------------|--------------------|--|-----------------|-----------------|-----------------|-----------------|------------------|
|                    |                    | TBP<br>(40-140)                                | FBP<br>(40-140) | 2FP<br>(40-140) | NBZ<br>(40-140) | PHL<br>(40-140) | TPHL<br>(40-140) |
| 752-38206-1        | SED-1              | 106  | 93              | 104             | 96              | 105             | 117              |
| 752-38206-1 MS     | SED-1              | 159 S1+  | 113             | 101             | 108             | 97              | 112              |
| 752-38206-1 MSD    | SED-1              | 156 S1+  | 105             | 105             | 109             | 100             | 117              |
| 752-38206-2        | SED-2              | 84   | 100             | 109             | 104             | 104             | 108              |
| 752-38206-3        | SED-3              | 87   | 112             | 113             | 115             | 102             | 111              |
| 752-38206-4        | SED-4              | 49   | 51              | 53              | 51              | 47              | 54               |
| 752-38206-5        | SED-5              | 77   | 110             | 114             | 114             | 110             | 114              |
| 752-38206-6        | SED-6              | 68   | 104             | 101             | 102             | 95              | 96               |
| 752-38206-7        | SED-7              | 81   | 112             | 106             | 110             | 101             | 114              |
| 752-38206-8        | 101625-Dup-SED     | 76   | 104             | 109             | 109             | 100             | 104              |
| LCS 400-727430/2-A | Lab Control Sample | 176 S1+  | 123             | 119             | 117             | 118             | 118              |

Eurofins Raleigh

# Surrogate Summary

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

Job ID: 752-38206-1

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

Matrix: Solid

Prep Type: Total/NA

| Lab Sample ID     | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) |                 |                 |                 |                 |                  |
|-------------------|------------------|--|-----------------|-----------------|-----------------|-----------------|------------------|
|                   |                  | TBP<br>(40-140)                                | FBP<br>(40-140) | 2FP<br>(40-140) | NBZ<br>(40-140) | PHL<br>(40-140) | TPHL<br>(40-140) |
| MB 400-727430/1-A | Method Blank     | 133  | 99              | 91              | 87              | 91              | 110              |

### Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)

FBP = 2-Fluorobiphenyl (Surr)

2FP = 2-Fluorophenol (Surr)

NBZ = Nitrobenzene-d5 (Surr)

PHL = Phenol-d5 (Surr)

TPHL = Terphenyl-d14 (Surr)



# Isotope Dilution Summary

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

Job ID: 752-38206-1

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

**Matrix: Solid**

**Prep Type: Total/NA**

## Percent Isotope Dilution Recovery (Acceptance Limits)

| Lab Sample ID   | Client Sample ID | DXE<br>(10-150) |
|-----------------|------------------|-----------------|
| 752-38206-1     | SED-1            | 52              |
| 752-38206-1 MS  | SED-1            | 0.4 *5-         |
| 752-38206-1 MSD | SED-1            | 0.4 *5-         |
| 752-38206-2     | SED-2            | 45              |
| 752-38206-3     | SED-3            | 44              |
| 752-38206-4     | SED-4            | 47              |
| 752-38206-5     | SED-5            | 55              |
| 752-38206-6     | SED-6            | 54              |
| 752-38206-7     | SED-7            | 48              |
| 752-38206-8     | 101625-Dup-SED   | 52              |

### Surrogate Legend

DXE = 1,4-Dioxane-d8

# QC Sample Results

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

Job ID: 752-38206-1

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

Lab Sample ID: MB 400-727744/1-A  
Matrix: Solid  
Analysis Batch: 727708

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 727744

| Analyte                     | MB     | MB        | RL      | MDL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|---------|----------|-------|---|----------------|----------------|---------|
|                             | Result | Qualifier |         |          |       |   |                |                |         |
| Acetone                     | ND     |           | 0.0250  | 0.0120   | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| Benzene                     | ND     |           | 0.00500 | 0.000670 | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| Bromobenzene                | ND     |           | 0.00500 | 0.00130  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| Bromoform                   | ND     |           | 0.00500 | 0.00130  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| Bromomethane                | ND     |           | 0.00500 | 0.00250  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| 2-Butanone (MEK)            | ND     |           | 0.0250  | 0.00600  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| Chlorobromomethane          | ND     |           | 0.00500 | 0.000810 | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| Carbon disulfide            | ND     |           | 0.00500 | 0.00253  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| Carbon tetrachloride        | ND     |           | 0.00500 | 0.00170  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| Chlorobenzene               | ND     |           | 0.00500 | 0.00132  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| Chloroethane                | ND     |           | 0.00500 | 0.00330  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| Chloroform                  | ND     |           | 0.00500 | 0.00136  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| Chloromethane               | ND     |           | 0.00500 | 0.00221  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| 2-Chlorotoluene             | ND     |           | 0.00500 | 0.00166  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| 4-Chlorotoluene             | ND     |           | 0.00500 | 0.000980 | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| Chlorodibromomethane        | ND     |           | 0.00500 | 0.00120  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND     |           | 0.00500 | 0.00330  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| Dibromomethane              | ND     |           | 0.00500 | 0.000830 | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| 1,2-Dichlorobenzene         | ND     |           | 0.00500 | 0.00159  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| 1,3-Dichlorobenzene         | ND     |           | 0.00500 | 0.000950 | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| Dichlorobromomethane        | ND     |           | 0.00500 | 0.000920 | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| 1,4-Dichlorobenzene         | ND     |           | 0.00500 | 0.000860 | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| 1,1-Dichloroethane          | ND     |           | 0.00500 | 0.000830 | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| 1,2-Dichloroethane          | ND     |           | 0.00500 | 0.00184  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 0.00500 | 0.000760 | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| 1,1-Dichloroethene          | ND     |           | 0.00500 | 0.00210  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| 1,2-Dichloropropane         | ND     |           | 0.00500 | 0.000760 | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| 1,3-Dichloropropane         | ND     |           | 0.00500 | 0.00100  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| 2,2-Dichloropropane         | ND     |           | 0.00500 | 0.00110  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| 1,1-Dichloropropene         | ND     |           | 0.00500 | 0.000830 | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| Ethylene Dibromide          | ND     |           | 0.00500 | 0.00100  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.00500 | 0.00120  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| Ethylbenzene                | ND     |           | 0.00500 | 0.000610 | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| Hexachlorobutadiene         | ND     |           | 0.00500 | 0.00250  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| 2-Hexanone                  | ND     |           | 0.0250  | 0.00500  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| Iodomethane                 | ND     |           | 0.00500 | 0.00340  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| Isopropylbenzene            | ND     |           | 0.00500 | 0.000680 | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| 4-Isopropyltoluene          | ND     |           | 0.00500 | 0.00100  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| Methylene Chloride          | ND     |           | 0.0150  | 0.0100   | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     |           | 0.0250  | 0.0134   | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| Methyl tert-butyl ether     | ND     |           | 0.00500 | 0.00100  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| Naphthalene                 | ND     |           | 0.00500 | 0.00300  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| n-Butylbenzene              | ND     |           | 0.00500 | 0.000960 | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| N-Propylbenzene             | ND     |           | 0.00500 | 0.000900 | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| sec-Butylbenzene            | ND     |           | 0.00500 | 0.000950 | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| Styrene                     | ND     |           | 0.00500 | 0.00100  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| tert-Butylbenzene           | ND     |           | 0.00500 | 0.00110  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| 1,1,1,2-Tetrachloroethane   | ND     |           | 0.00500 | 0.00110  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |

# QC Sample Results

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

Job ID: 752-38206-1

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

Lab Sample ID: MB 400-727744/1-A

Matrix: Solid

Analysis Batch: 727708

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 727744

| Analyte                               | MB     | MB        | RL      | MDL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|---------|----------|-------|---|----------------|----------------|---------|
|                                       | Result | Qualifier |         |          |       |   |                |                |         |
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.00500 | 0.00172  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| Tetrachloroethene                     | ND     |           | 0.00500 | 0.00300  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| Toluene                               | ND     |           | 0.00500 | 0.00100  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| trans-1,4-Dichloro-2-butene           | ND     |           | 0.00500 | 0.00250  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| trans-1,2-Dichloroethene              | ND     |           | 0.00500 | 0.000960 | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| trans-1,3-Dichloropropene             | ND     |           | 0.00500 | 0.00110  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.00500 | 0.00110  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.00500 | 0.00201  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.00500 | 0.00110  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.00500 | 0.00161  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| o-Xylene                              | ND     |           | 0.00500 | 0.00300  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| Trichloroethene                       | ND     |           | 0.00500 | 0.00100  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| m-Xylene & p-Xylene                   | ND     |           | 0.00500 | 0.00300  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| Trichlorofluoromethane                | ND     |           | 0.00500 | 0.00242  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.00500 | 0.00208  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.00500 | 0.00188  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.00500 | 0.00100  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.00500 | 0.000830 | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| Isopropyl ether                       | ND     |           | 0.00500 | 0.00138  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| Hexane                                | ND     |           | 0.00500 | 0.00260  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| Vinyl acetate                         | ND     |           | 0.0250  | 0.00638  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| n-Heptane                             | ND     |           | 0.00500 | 0.00289  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| Vinyl chloride                        | ND     |           | 0.00500 | 0.00218  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| Ethyl acetate                         | ND     |           | 0.0200  | 0.00500  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| Xylenes, Total                        | ND     |           | 0.0100  | 0.00600  | mg/Kg |   | 10/22/25 15:18 | 10/22/25 16:47 | 1       |

| Surrogate                    | MB        | MB        | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
|                              | %Recovery | Qualifier |          |                |                |         |
| 4-Bromofluorobenzene         | 98        |           | 50 - 150 | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| Dibromofluoromethane         | 90        |           | 50 - 150 | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| Toluene-d8 (Surr)            | 74        |           | 50 - 150 | 10/22/25 15:18 | 10/22/25 16:47 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 108       |           | 50 - 150 | 10/22/25 15:18 | 10/22/25 16:47 | 1       |

Lab Sample ID: LCS 400-727744/2-A

Matrix: Solid

Analysis Batch: 727708

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 727744

| Analyte              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------------------|-------------|------------|---------------|-------|---|------|-------------|
|                      |             |            |               |       |   |      |             |
| Benzene              | 0.0500      | 0.04737    |               | mg/Kg |   | 95   | 65 - 130    |
| Bromobenzene         | 0.0500      | 0.05566    |               | mg/Kg |   | 111  | 65 - 130    |
| Bromoform            | 0.0500      | 0.05819    |               | mg/Kg |   | 116  | 52 - 136    |
| Bromomethane         | 0.0500      | 0.03299    |               | mg/Kg |   | 66   | 12 - 150    |
| 2-Butanone (MEK)     | 0.200       | 0.2185     |               | mg/Kg |   | 109  | 55 - 130    |
| Chlorobromomethane   | 0.0500      | 0.04029    |               | mg/Kg |   | 81   | 65 - 130    |
| Carbon disulfide     | 0.0500      | 0.04059    |               | mg/Kg |   | 81   | 46 - 141    |
| Carbon tetrachloride | 0.0500      | 0.04615    |               | mg/Kg |   | 92   | 60 - 130    |
| Chlorobenzene        | 0.0500      | 0.05364    |               | mg/Kg |   | 107  | 70 - 130    |
| Chloroethane         | 0.0500      | 0.03139    |               | mg/Kg |   | 63   | 55 - 134    |

Eurofins Raleigh

# QC Sample Results

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

Job ID: 752-38206-1

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

Lab Sample ID: LCS 400-727744/2-A

Matrix: Solid

Analysis Batch: 727708

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 727744

| Analyte                     | Spike  | LCS     | LCS       | Unit  | D | %Rec | %Rec<br>Limits |
|-----------------------------|--------|---------|-----------|-------|---|------|----------------|
|                             | Added  | Result  | Qualifier |       |   |      |                |
| Chloroform                  | 0.0500 | 0.04066 |           | mg/Kg |   | 81   | 62 - 130       |
| Chloromethane               | 0.0500 | 0.03517 |           | mg/Kg |   | 70   | 49 - 136       |
| 2-Chlorotoluene             | 0.0500 | 0.05706 |           | mg/Kg |   | 114  | 67 - 130       |
| 4-Chlorotoluene             | 0.0500 | 0.05618 |           | mg/Kg |   | 112  | 66 - 130       |
| Chlorodibromomethane        | 0.0500 | 0.04666 |           | mg/Kg |   | 93   | 58 - 132       |
| 1,2-Dibromo-3-Chloropropane | 0.0500 | 0.05899 |           | mg/Kg |   | 118  | 49 - 130       |
| Dibromomethane              | 0.0500 | 0.04882 |           | mg/Kg |   | 98   | 65 - 130       |
| 1,2-Dichlorobenzene         | 0.0500 | 0.05697 |           | mg/Kg |   | 114  | 64 - 130       |
| 1,3-Dichlorobenzene         | 0.0500 | 0.05070 |           | mg/Kg |   | 101  | 66 - 130       |
| Dichlorobromomethane        | 0.0500 | 0.04896 |           | mg/Kg |   | 98   | 61 - 130       |
| 1,4-Dichlorobenzene         | 0.0500 | 0.05254 |           | mg/Kg |   | 105  | 65 - 130       |
| 1,1-Dichloroethane          | 0.0500 | 0.04678 |           | mg/Kg |   | 94   | 59 - 130       |
| 1,2-Dichloroethane          | 0.0500 | 0.04926 |           | mg/Kg |   | 99   | 62 - 130       |
| cis-1,2-Dichloroethene      | 0.0500 | 0.04830 |           | mg/Kg |   | 97   | 53 - 135       |
| 1,1-Dichloroethene          | 0.0500 | 0.04086 |           | mg/Kg |   | 82   | 55 - 137       |
| 1,2-Dichloropropane         | 0.0500 | 0.05676 |           | mg/Kg |   | 114  | 64 - 130       |
| 1,3-Dichloropropane         | 0.0500 | 0.05815 |           | mg/Kg |   | 116  | 67 - 130       |
| 2,2-Dichloropropane         | 0.0500 | 0.05335 |           | mg/Kg |   | 107  | 51 - 132       |
| 1,1-Dichloropropene         | 0.0500 | 0.04437 |           | mg/Kg |   | 89   | 65 - 130       |
| Ethylene Dibromide          | 0.0500 | 0.05470 |           | mg/Kg |   | 109  | 67 - 130       |
| cis-1,3-Dichloropropene     | 0.0500 | 0.05622 |           | mg/Kg |   | 112  | 61 - 130       |
| Ethylbenzene                | 0.0500 | 0.05262 |           | mg/Kg |   | 105  | 70 - 130       |
| Hexachlorobutadiene         | 0.0500 | 0.05235 |           | mg/Kg |   | 105  | 62 - 133       |
| 2-Hexanone                  | 0.200  | 0.2478  |           | mg/Kg |   | 124  | 57 - 131       |
| Iodomethane                 | 0.0500 | 0.04384 |           | mg/Kg |   | 88   | 12 - 150       |
| Isopropylbenzene            | 0.0500 | 0.05217 |           | mg/Kg |   | 104  | 70 - 130       |
| 4-Isopropyltoluene          | 0.0500 | 0.05095 |           | mg/Kg |   | 102  | 68 - 130       |
| Methylene Chloride          | 0.0500 | 0.04437 |           | mg/Kg |   | 89   | 57 - 132       |
| 4-Methyl-2-pentanone (MIBK) | 0.200  | 0.2572  |           | mg/Kg |   | 129  | 58 - 130       |
| Methyl tert-butyl ether     | 0.0500 | 0.05496 |           | mg/Kg |   | 110  | 63 - 130       |
| Naphthalene                 | 0.0500 | 0.06231 |           | mg/Kg |   | 125  | 45 - 144       |
| n-Butylbenzene              | 0.0500 | 0.05848 |           | mg/Kg |   | 117  | 66 - 130       |
| N-Propylbenzene             | 0.0500 | 0.05735 |           | mg/Kg |   | 115  | 67 - 130       |
| sec-Butylbenzene            | 0.0500 | 0.04621 |           | mg/Kg |   | 92   | 67 - 130       |
| Styrene                     | 0.0500 | 0.04968 |           | mg/Kg |   | 99   | 68 - 130       |
| tert-Butylbenzene           | 0.0500 | 0.04603 |           | mg/Kg |   | 92   | 67 - 130       |
| 1,1,1,2-Tetrachloroethane   | 0.0500 | 0.05525 |           | mg/Kg |   | 111  | 65 - 130       |
| 1,1,2,2-Tetrachloroethane   | 0.0500 | 0.06050 |           | mg/Kg |   | 121  | 60 - 131       |
| Tetrachloroethene           | 0.0500 | 0.04816 |           | mg/Kg |   | 96   | 67 - 130       |
| Toluene                     | 0.0500 | 0.05098 |           | mg/Kg |   | 102  | 70 - 130       |
| trans-1,4-Dichloro-2-butene | 0.0500 | 0.06308 |           | mg/Kg |   | 126  | 45 - 137       |
| trans-1,2-Dichloroethene    | 0.0500 | 0.04697 |           | mg/Kg |   | 94   | 58 - 134       |
| trans-1,3-Dichloropropene   | 0.0500 | 0.05640 |           | mg/Kg |   | 113  | 60 - 130       |
| 1,2,3-Trichlorobenzene      | 0.0500 | 0.06054 |           | mg/Kg |   | 121  | 58 - 135       |
| 1,2,4-Trichlorobenzene      | 0.0500 | 0.05877 |           | mg/Kg |   | 118  | 56 - 138       |
| 1,1,1-Trichloroethane       | 0.0500 | 0.04243 |           | mg/Kg |   | 85   | 63 - 130       |
| 1,1,2-Trichloroethane       | 0.0500 | 0.05980 |           | mg/Kg |   | 120  | 65 - 130       |
| o-Xylene                    | 0.0500 | 0.04891 |           | mg/Kg |   | 98   | 70 - 130       |
| Trichloroethene             | 0.0500 | 0.04962 |           | mg/Kg |   | 99   | 65 - 130       |

Eurofins Raleigh

# QC Sample Results

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

Job ID: 752-38206-1

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

Lab Sample ID: LCS 400-727744/2-A

Matrix: Solid

Analysis Batch: 727708

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 727744

| Analyte                               | Spike  | LCS     | LCS       | Unit  | D | %Rec | %Rec Limits |
|---------------------------------------|--------|---------|-----------|-------|---|------|-------------|
|                                       | Added  | Result  | Qualifier |       |   |      |             |
| m-Xylene & p-Xylene                   | 0.0500 | 0.05230 |           | mg/Kg |   | 105  | 70 - 130    |
| Trichlorofluoromethane                | 0.0500 | 0.04077 |           | mg/Kg |   | 82   | 61 - 136    |
| 1,2,3-Trichloropropane                | 0.0500 | 0.05677 |           | mg/Kg |   | 114  | 60 - 130    |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.0500 | 0.04383 |           | mg/Kg |   | 88   | 47 - 143    |
| 1,2,4-Trimethylbenzene                | 0.0500 | 0.04532 |           | mg/Kg |   | 91   | 66 - 130    |
| 1,3,5-Trimethylbenzene                | 0.0500 | 0.05418 |           | mg/Kg |   | 108  | 67 - 130    |
| Isopropyl ether                       | 0.0500 | 0.05446 |           | mg/Kg |   | 109  | 62 - 130    |
| Hexane                                | 0.0500 | 0.04406 |           | mg/Kg |   | 88   | 57 - 132    |
| Vinyl acetate                         | 0.100  | 0.1175  |           | mg/Kg |   | 117  | 24 - 150    |
| n-Heptane                             | 0.0500 | 0.05384 |           | mg/Kg |   | 108  | 61 - 130    |
| Vinyl chloride                        | 0.0500 | 0.03564 |           | mg/Kg |   | 71   | 52 - 132    |
| Ethyl acetate                         | 0.100  | 0.1119  |           | mg/Kg |   | 112  | 21 - 150    |
| Xylenes, Total                        | 0.100  | 0.1012  |           | mg/Kg |   | 101  | 70 - 130    |

| Surrogate                    | LCS       | LCS       | Limits   |
|------------------------------|-----------|-----------|----------|
|                              | %Recovery | Qualifier |          |
| 4-Bromofluorobenzene         | 110       |           | 50 - 150 |
| Dibromofluoromethane         | 83        |           | 50 - 150 |
| Toluene-d8 (Surr)            | 101       |           | 50 - 150 |
| 1,2-Dichloroethane-d4 (Surr) | 96        |           | 50 - 150 |

Lab Sample ID: LCSD 400-727744/3-A

Matrix: Solid

Analysis Batch: 727708

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 727744

| Analyte                     | Spike  | LCSD    | LCSD      | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------------------------|--------|---------|-----------|-------|---|------|-------------|-----|-----------|
|                             | Added  | Result  | Qualifier |       |   |      |             |     |           |
| Acetone                     | 0.200  | 0.2407  |           | mg/Kg |   | 120  | 48 - 150    | 16  | 30        |
| Benzene                     | 0.0500 | 0.04976 |           | mg/Kg |   | 100  | 65 - 130    | 5   | 30        |
| Bromobenzene                | 0.0500 | 0.05167 |           | mg/Kg |   | 103  | 65 - 130    | 7   | 30        |
| Bromoform                   | 0.0500 | 0.05449 |           | mg/Kg |   | 109  | 52 - 136    | 7   | 30        |
| Bromomethane                | 0.0500 | 0.02962 |           | mg/Kg |   | 59   | 12 - 150    | 11  | 30        |
| 2-Butanone (MEK)            | 0.200  | 0.2038  |           | mg/Kg |   | 102  | 55 - 130    | 7   | 30        |
| Chlorobromomethane          | 0.0500 | 0.04793 |           | mg/Kg |   | 96   | 65 - 130    | 17  | 30        |
| Carbon disulfide            | 0.0500 | 0.04439 |           | mg/Kg |   | 89   | 46 - 141    | 9   | 30        |
| Carbon tetrachloride        | 0.0500 | 0.04929 |           | mg/Kg |   | 99   | 60 - 130    | 7   | 30        |
| Chlorobenzene               | 0.0500 | 0.05394 |           | mg/Kg |   | 108  | 70 - 130    | 1   | 30        |
| Chloroethane                | 0.0500 | 0.02768 |           | mg/Kg |   | 55   | 55 - 134    | 13  | 30        |
| Chloroform                  | 0.0500 | 0.04943 |           | mg/Kg |   | 99   | 62 - 130    | 19  | 30        |
| Chloromethane               | 0.0500 | 0.04542 |           | mg/Kg |   | 91   | 49 - 136    | 25  | 30        |
| 2-Chlorotoluene             | 0.0500 | 0.05423 |           | mg/Kg |   | 108  | 67 - 130    | 5   | 30        |
| 4-Chlorotoluene             | 0.0500 | 0.05263 |           | mg/Kg |   | 105  | 66 - 130    | 7   | 30        |
| Chlorodibromomethane        | 0.0500 | 0.05290 |           | mg/Kg |   | 106  | 58 - 132    | 13  | 30        |
| 1,2-Dibromo-3-Chloropropane | 0.0500 | 0.03904 | *1        | mg/Kg |   | 78   | 49 - 130    | 41  | 30        |
| Dibromomethane              | 0.0500 | 0.04259 |           | mg/Kg |   | 85   | 65 - 130    | 14  | 30        |
| 1,2-Dichlorobenzene         | 0.0500 | 0.05273 |           | mg/Kg |   | 105  | 64 - 130    | 8   | 30        |
| 1,3-Dichlorobenzene         | 0.0500 | 0.05188 |           | mg/Kg |   | 104  | 66 - 130    | 2   | 30        |
| Dichlorobromomethane        | 0.0500 | 0.04363 |           | mg/Kg |   | 87   | 61 - 130    | 12  | 30        |
| 1,4-Dichlorobenzene         | 0.0500 | 0.05243 |           | mg/Kg |   | 105  | 65 - 130    | 0   | 30        |
| 1,1-Dichloroethane          | 0.0500 | 0.05071 |           | mg/Kg |   | 101  | 59 - 130    | 8   | 30        |

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# QC Sample Results

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

Job ID: 752-38206-1

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

Lab Sample ID: LCSD 400-727744/3-A

Matrix: Solid

Analysis Batch: 727708

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 727744

| Analyte                               | Spike  | LCSD    | LCSD      | Unit  | D | %Rec | %Rec     | RPD | RPD   |
|---------------------------------------|--------|---------|-----------|-------|---|------|----------|-----|-------|
|                                       | Added  | Result  | Qualifier |       |   |      | Limits   |     | Limit |
| 1,2-Dichloroethane                    | 0.0500 | 0.05184 |           | mg/Kg |   | 104  | 62 - 130 | 5   | 30    |
| cis-1,2-Dichloroethene                | 0.0500 | 0.04441 |           | mg/Kg |   | 89   | 53 - 135 | 8   | 30    |
| 1,1-Dichloroethene                    | 0.0500 | 0.04591 |           | mg/Kg |   | 92   | 55 - 137 | 12  | 30    |
| 1,2-Dichloropropane                   | 0.0500 | 0.04238 |           | mg/Kg |   | 85   | 64 - 130 | 29  | 30    |
| 1,3-Dichloropropane                   | 0.0500 | 0.06919 | *+        | mg/Kg |   | 138  | 67 - 130 | 17  | 30    |
| 2,2-Dichloropropane                   | 0.0500 | 0.04987 |           | mg/Kg |   | 100  | 51 - 132 | 7   | 30    |
| 1,1-Dichloropropene                   | 0.0500 | 0.04815 |           | mg/Kg |   | 96   | 65 - 130 | 8   | 30    |
| Ethylene Dibromide                    | 0.0500 | 0.05471 |           | mg/Kg |   | 109  | 67 - 130 | 0   | 30    |
| cis-1,3-Dichloropropene               | 0.0500 | 0.05271 |           | mg/Kg |   | 105  | 61 - 130 | 6   | 30    |
| Ethylbenzene                          | 0.0500 | 0.05381 |           | mg/Kg |   | 108  | 70 - 130 | 2   | 30    |
| Hexachlorobutadiene                   | 0.0500 | 0.03837 | *1        | mg/Kg |   | 77   | 62 - 133 | 31  | 30    |
| 2-Hexanone                            | 0.200  | 0.2976  | *+        | mg/Kg |   | 149  | 57 - 131 | 18  | 30    |
| Iodomethane                           | 0.0500 | 0.04746 |           | mg/Kg |   | 95   | 12 - 150 | 8   | 30    |
| Isopropylbenzene                      | 0.0500 | 0.05963 |           | mg/Kg |   | 119  | 70 - 130 | 13  | 30    |
| 4-Isopropyltoluene                    | 0.0500 | 0.05267 |           | mg/Kg |   | 105  | 68 - 130 | 3   | 30    |
| Methylene Chloride                    | 0.0500 | 0.04918 |           | mg/Kg |   | 98   | 57 - 132 | 10  | 30    |
| 4-Methyl-2-pentanone (MIBK)           | 0.200  | 0.2477  |           | mg/Kg |   | 124  | 58 - 130 | 4   | 30    |
| Methyl tert-butyl ether               | 0.0500 | 0.05589 |           | mg/Kg |   | 112  | 63 - 130 | 2   | 30    |
| Naphthalene                           | 0.0500 | 0.03859 | *1        | mg/Kg |   | 77   | 45 - 144 | 47  | 30    |
| n-Butylbenzene                        | 0.0500 | 0.05534 |           | mg/Kg |   | 111  | 66 - 130 | 6   | 30    |
| N-Propylbenzene                       | 0.0500 | 0.05326 |           | mg/Kg |   | 107  | 67 - 130 | 7   | 30    |
| sec-Butylbenzene                      | 0.0500 | 0.05078 |           | mg/Kg |   | 102  | 67 - 130 | 9   | 30    |
| Styrene                               | 0.0500 | 0.06030 |           | mg/Kg |   | 121  | 68 - 130 | 19  | 30    |
| tert-Butylbenzene                     | 0.0500 | 0.05270 |           | mg/Kg |   | 105  | 67 - 130 | 14  | 30    |
| 1,1,1,2-Tetrachloroethane             | 0.0500 | 0.05807 |           | mg/Kg |   | 116  | 65 - 130 | 5   | 30    |
| 1,1,2,2-Tetrachloroethane             | 0.0500 | 0.05754 |           | mg/Kg |   | 115  | 60 - 131 | 5   | 30    |
| Tetrachloroethene                     | 0.0500 | 0.05703 |           | mg/Kg |   | 114  | 67 - 130 | 17  | 30    |
| Toluene                               | 0.0500 | 0.05901 |           | mg/Kg |   | 118  | 70 - 130 | 15  | 30    |
| trans-1,4-Dichloro-2-butene           | 0.0500 | 0.05789 |           | mg/Kg |   | 116  | 45 - 137 | 9   | 30    |
| trans-1,2-Dichloroethene              | 0.0500 | 0.04774 |           | mg/Kg |   | 95   | 58 - 134 | 2   | 30    |
| trans-1,3-Dichloropropene             | 0.0500 | 0.06833 | *+        | mg/Kg |   | 137  | 60 - 130 | 19  | 30    |
| 1,2,3-Trichlorobenzene                | 0.0500 | 0.03988 | *1        | mg/Kg |   | 80   | 58 - 135 | 41  | 30    |
| 1,2,4-Trichlorobenzene                | 0.0500 | 0.03945 | *1        | mg/Kg |   | 79   | 56 - 138 | 39  | 30    |
| 1,1,1-Trichloroethane                 | 0.0500 | 0.04804 |           | mg/Kg |   | 96   | 63 - 130 | 12  | 30    |
| 1,1,2-Trichloroethane                 | 0.0500 | 0.06859 | *+        | mg/Kg |   | 137  | 65 - 130 | 14  | 30    |
| o-Xylene                              | 0.0500 | 0.06004 |           | mg/Kg |   | 120  | 70 - 130 | 20  | 30    |
| Trichloroethene                       | 0.0500 | 0.03737 |           | mg/Kg |   | 75   | 65 - 130 | 28  | 30    |
| m-Xylene & p-Xylene                   | 0.0500 | 0.05719 |           | mg/Kg |   | 114  | 70 - 130 | 9   | 30    |
| Trichlorofluoromethane                | 0.0500 | 0.04092 |           | mg/Kg |   | 82   | 61 - 136 | 0   | 30    |
| 1,2,3-Trichloropropane                | 0.0500 | 0.05316 |           | mg/Kg |   | 106  | 60 - 130 | 7   | 30    |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.0500 | 0.05780 |           | mg/Kg |   | 116  | 47 - 143 | 27  | 30    |
| 1,2,4-Trimethylbenzene                | 0.0500 | 0.05308 |           | mg/Kg |   | 106  | 66 - 130 | 16  | 30    |
| 1,3,5-Trimethylbenzene                | 0.0500 | 0.05059 |           | mg/Kg |   | 101  | 67 - 130 | 7   | 30    |
| Isopropyl ether                       | 0.0500 | 0.06739 | *+        | mg/Kg |   | 135  | 62 - 130 | 21  | 30    |
| Hexane                                | 0.0500 | 0.04915 |           | mg/Kg |   | 98   | 57 - 132 | 11  | 30    |
| Vinyl acetate                         | 0.100  | 0.1441  |           | mg/Kg |   | 144  | 24 - 150 | 20  | 30    |
| n-Heptane                             | 0.0500 | 0.05406 |           | mg/Kg |   | 108  | 61 - 130 | 0   | 30    |
| Vinyl chloride                        | 0.0500 | 0.03200 |           | mg/Kg |   | 64   | 52 - 132 | 11  | 30    |

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# QC Sample Results

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

Job ID: 752-38206-1

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

Lab Sample ID: LCSD 400-727744/3-A

Matrix: Solid

Analysis Batch: 727708

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 727744

| Analyte        | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec     |     | RPD | Limit |
|----------------|-------------|-------------|----------------|-------|---|------|----------|-----|-----|-------|
|                |             |             |                |       |   |      | Limits   | RPD |     |       |
| Ethyl acetate  | 0.100       | 0.1089      |                | mg/Kg |   | 109  | 21 - 150 | 3   | 30  |       |
| Xylenes, Total | 0.100       | 0.1172      |                | mg/Kg |   | 117  | 70 - 130 | 15  | 30  |       |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------------------|----------------|----------------|----------|
|                              |                |                |          |
| Dibromofluoromethane         | 96             |                | 50 - 150 |
| Toluene-d8 (Surr)            | 117            |                | 50 - 150 |
| 1,2-Dichloroethane-d4 (Surr) | 97             |                | 50 - 150 |

Lab Sample ID: MB 400-728000/5

Matrix: Water

Analysis Batch: 728000

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                     | MB Result | MB Qualifier | RL   | MDL    | Unit | D | Prepared       | Analyzed | Dil Fac |
|-----------------------------|-----------|--------------|------|--------|------|---|----------------|----------|---------|
|                             |           |              |      |        |      |   |                |          |         |
| Benzene                     | ND        |              | 1.00 | 0.500  | ug/L |   | 10/24/25 10:04 | 1        |         |
| Bromobenzene                | ND        |              | 1.00 | 0.540  | ug/L |   | 10/24/25 10:04 | 1        |         |
| Bromoform                   | ND        |              | 5.00 | 0.250  | ug/L |   | 10/24/25 10:04 | 1        |         |
| Bromomethane                | ND        |              | 1.00 | 0.980  | ug/L |   | 10/24/25 10:04 | 1        |         |
| 2-Butanone (MEK)            | ND        |              | 25.0 | 2.60   | ug/L |   | 10/24/25 10:04 | 1        |         |
| Chlorobromomethane          | ND        |              | 1.00 | 0.520  | ug/L |   | 10/24/25 10:04 | 1        |         |
| Carbon disulfide            | ND        |              | 1.00 | 0.500  | ug/L |   | 10/24/25 10:04 | 1        |         |
| Carbon tetrachloride        | ND        |              | 1.00 | 0.190  | ug/L |   | 10/24/25 10:04 | 1        |         |
| Chlorobenzene               | ND        |              | 1.00 | 0.420  | ug/L |   | 10/24/25 10:04 | 1        |         |
| Chloroethane                | ND        |              | 1.00 | 0.760  | ug/L |   | 10/24/25 10:04 | 1        |         |
| Chloroform                  | ND        |              | 1.00 | 0.900  | ug/L |   | 10/24/25 10:04 | 1        |         |
| Chloromethane               | ND        |              | 1.00 | 0.400  | ug/L |   | 10/24/25 10:04 | 1        |         |
| 2-Chlorotoluene             | ND        |              | 1.00 | 0.570  | ug/L |   | 10/24/25 10:04 | 1        |         |
| 4-Chlorotoluene             | ND        |              | 1.00 | 0.560  | ug/L |   | 10/24/25 10:04 | 1        |         |
| Chlorodibromomethane        | ND        |              | 1.00 | 0.240  | ug/L |   | 10/24/25 10:04 | 1        |         |
| 1,2-Dibromo-3-Chloropropane | ND        |              | 5.00 | 1.50   | ug/L |   | 10/24/25 10:04 | 1        |         |
| Dibromomethane              | ND        |              | 5.00 | 0.220  | ug/L |   | 10/24/25 10:04 | 1        |         |
| 1,2-Dichlorobenzene         | ND        |              | 1.00 | 0.500  | ug/L |   | 10/24/25 10:04 | 1        |         |
| 1,3-Dichlorobenzene         | ND        |              | 1.00 | 0.540  | ug/L |   | 10/24/25 10:04 | 1        |         |
| Dichlorobromomethane        | ND        |              | 1.00 | 0.500  | ug/L |   | 10/24/25 10:04 | 1        |         |
| 1,4-Dichlorobenzene         | ND        |              | 1.00 | 0.640  | ug/L |   | 10/24/25 10:04 | 1        |         |
| 1,1-Dichloroethane          | ND        |              | 1.00 | 0.500  | ug/L |   | 10/24/25 10:04 | 1        |         |
| 1,2-Dichloroethane          | ND        |              | 1.00 | 0.550  | ug/L |   | 10/24/25 10:04 | 1        |         |
| cis-1,2-Dichloroethane      | ND        |              | 1.00 | 0.200  | ug/L |   | 10/24/25 10:04 | 1        |         |
| 1,1-Dichloroethene          | ND        |              | 1.00 | 0.500  | ug/L |   | 10/24/25 10:04 | 1        |         |
| 1,2-Dichloropropane         | ND        |              | 1.00 | 0.500  | ug/L |   | 10/24/25 10:04 | 1        |         |
| 1,3-Dichloropropane         | ND        |              | 1.00 | 0.500  | ug/L |   | 10/24/25 10:04 | 1        |         |
| 2,2-Dichloropropane         | ND        |              | 1.00 | 0.500  | ug/L |   | 10/24/25 10:04 | 1        |         |
| 1,1-Dichloropropene         | ND        |              | 1.00 | 0.0900 | ug/L |   | 10/24/25 10:04 | 1        |         |
| Ethylene Dibromide          | ND        |              | 1.00 | 0.230  | ug/L |   | 10/24/25 10:04 | 1        |         |
| cis-1,3-Dichloropropene     | ND        |              | 5.00 | 0.500  | ug/L |   | 10/24/25 10:04 | 1        |         |
| Ethylbenzene                | ND        |              | 1.00 | 0.500  | ug/L |   | 10/24/25 10:04 | 1        |         |
| Hexachlorobutadiene         | ND        |              | 5.00 | 0.900  | ug/L |   | 10/24/25 10:04 | 1        |         |

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# QC Sample Results

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

Job ID: 752-38206-1

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

Lab Sample ID: MB 400-728000/5

Matrix: Water

Analysis Batch: 728000

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                               | MB     | MB        | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
|                                       | Result | Qualifier |      |       |      |   |          |                |         |
| 2-Hexanone                            | ND     |           | 25.0 | 4.26  | ug/L |   |          | 10/24/25 10:04 | 1       |
| Iodomethane                           | ND     |           | 1.00 | 0.900 | ug/L |   |          | 10/24/25 10:04 | 1       |
| Isopropylbenzene                      | ND     |           | 1.00 | 0.530 | ug/L |   |          | 10/24/25 10:04 | 1       |
| 4-Isopropyltoluene                    | ND     |           | 1.00 | 0.710 | ug/L |   |          | 10/24/25 10:04 | 1       |
| Methylene Chloride                    | ND     |           | 5.00 | 3.00  | ug/L |   |          | 10/24/25 10:04 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND     |           | 25.0 | 1.80  | ug/L |   |          | 10/24/25 10:04 | 1       |
| Methyl tert-butyl ether               | ND     |           | 1.00 | 0.220 | ug/L |   |          | 10/24/25 10:04 | 1       |
| Naphthalene                           | ND     |           | 5.00 | 3.00  | ug/L |   |          | 10/24/25 10:04 | 1       |
| n-Butylbenzene                        | ND     |           | 1.00 | 0.760 | ug/L |   |          | 10/24/25 10:04 | 1       |
| N-Propylbenzene                       | ND     |           | 1.00 | 0.690 | ug/L |   |          | 10/24/25 10:04 | 1       |
| sec-Butylbenzene                      | ND     |           | 1.00 | 0.700 | ug/L |   |          | 10/24/25 10:04 | 1       |
| Styrene                               | ND     |           | 1.00 | 1.00  | ug/L |   |          | 10/24/25 10:04 | 1       |
| tert-Butylbenzene                     | ND     |           | 1.00 | 0.630 | ug/L |   |          | 10/24/25 10:04 | 1       |
| 1,1,1,2-Tetrachloroethane             | ND     |           | 1.00 | 0.380 | ug/L |   |          | 10/24/25 10:04 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/24/25 10:04 | 1       |
| Tetrachloroethene                     | ND     |           | 1.00 | 0.330 | ug/L |   |          | 10/24/25 10:04 | 1       |
| Toluene                               | ND     |           | 1.00 | 0.900 | ug/L |   |          | 10/24/25 10:04 | 1       |
| trans-1,4-Dichloro-2-butene           | ND     |           | 5.00 | 1.00  | ug/L |   |          | 10/24/25 10:04 | 1       |
| trans-1,2-Dichloroethene              | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/24/25 10:04 | 1       |
| trans-1,3-Dichloropropene             | ND     |           | 5.00 | 0.200 | ug/L |   |          | 10/24/25 10:04 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 1.00 | 0.900 | ug/L |   |          | 10/24/25 10:04 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 1.00 | 0.820 | ug/L |   |          | 10/24/25 10:04 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 1.00 | 0.180 | ug/L |   |          | 10/24/25 10:04 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 5.00 | 0.210 | ug/L |   |          | 10/24/25 10:04 | 1       |
| o-Xylene                              | ND     |           | 5.00 | 3.00  | ug/L |   |          | 10/24/25 10:04 | 1       |
| Trichloroethene                       | ND     |           | 1.00 | 0.150 | ug/L |   |          | 10/24/25 10:04 | 1       |
| m-Xylene & p-Xylene                   | ND     |           | 5.00 | 3.00  | ug/L |   |          | 10/24/25 10:04 | 1       |
| Trichlorofluoromethane                | ND     |           | 1.00 | 0.250 | ug/L |   |          | 10/24/25 10:04 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 5.00 | 0.840 | ug/L |   |          | 10/24/25 10:04 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/24/25 10:04 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 1.00 | 0.820 | ug/L |   |          | 10/24/25 10:04 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 1.00 | 0.560 | ug/L |   |          | 10/24/25 10:04 | 1       |
| Isopropyl ether                       | ND     |           | 1.00 | 0.740 | ug/L |   |          | 10/24/25 10:04 | 1       |
| Hexane                                | ND     |           | 1.00 | 0.960 | ug/L |   |          | 10/24/25 10:04 | 1       |
| Vinyl acetate                         | ND     |           | 25.0 | 0.930 | ug/L |   |          | 10/24/25 10:04 | 1       |
| n-Heptane                             | ND     |           | 1.00 | 0.210 | ug/L |   |          | 10/24/25 10:04 | 1       |
| Vinyl chloride                        | ND     |           | 1.00 | 0.500 | ug/L |   |          | 10/24/25 10:04 | 1       |
| Ethyl acetate                         | ND     |           | 10.0 | 6.14  | ug/L |   |          | 10/24/25 10:04 | 1       |
| Xylenes, Total                        | ND     |           | 10.0 | 6.00  | ug/L |   |          | 10/24/25 10:04 | 1       |

| Surrogate                    | MB        | MB        | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
|                              | %Recovery | Qualifier |          |          |                |         |
| 4-Bromofluorobenzene         | 101       |           | 56 - 136 |          | 10/24/25 10:04 | 1       |
| Dibromofluoromethane         | 107       |           | 79 - 130 |          | 10/24/25 10:04 | 1       |
| Toluene-d8 (Surr)            | 103       |           | 64 - 132 |          | 10/24/25 10:04 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 110       |           | 59 - 146 |          | 10/24/25 10:04 | 1       |

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# QC Sample Results

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

Job ID: 752-38206-1

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

Lab Sample ID: LCS 400-728000/1002

Matrix: Water

Analysis Batch: 728000

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------------------------|-------------|------------|---------------|------|---|------|-------------|
|                             |             |            |               |      |   |      |             |
| Acetone                     | 200         | 365.8      | *+            | ug/L |   | 183  | 43 - 150    |
| Benzene                     | 50.0        | 52.48      |               | ug/L |   | 105  | 70 - 130    |
| Bromobenzene                | 50.0        | 50.07      |               | ug/L |   | 100  | 70 - 132    |
| Bromoform                   | 50.0        | 45.92      |               | ug/L |   | 92   | 57 - 140    |
| Bromomethane                | 50.0        | 132.9      | *+            | ug/L |   | 266  | 10 - 150    |
| 2-Butanone (MEK)            | 200         | 213.7      |               | ug/L |   | 107  | 61 - 145    |
| Chlorobromomethane          | 50.0        | 54.72      |               | ug/L |   | 109  | 70 - 130    |
| Carbon disulfide            | 50.0        | 59.80      |               | ug/L |   | 120  | 61 - 137    |
| Carbon tetrachloride        | 50.0        | 48.53      |               | ug/L |   | 97   | 61 - 137    |
| Chlorobenzene               | 50.0        | 53.65      |               | ug/L |   | 107  | 70 - 130    |
| Chloroethane                | 50.0        | 73.13      | *+            | ug/L |   | 146  | 55 - 141    |
| Chloroform                  | 50.0        | 52.48      |               | ug/L |   | 105  | 69 - 130    |
| Chloromethane               | 50.0        | 63.72      |               | ug/L |   | 127  | 58 - 137    |
| 2-Chlorotoluene             | 50.0        | 56.54      |               | ug/L |   | 113  | 70 - 130    |
| 4-Chlorotoluene             | 50.0        | 56.26      |               | ug/L |   | 113  | 70 - 130    |
| Chlorodibromomethane        | 50.0        | 51.19      |               | ug/L |   | 102  | 67 - 135    |
| 1,2-Dibromo-3-Chloropropane | 50.0        | 47.24      |               | ug/L |   | 94   | 54 - 135    |
| Dibromomethane              | 50.0        | 52.91      |               | ug/L |   | 106  | 70 - 130    |
| 1,2-Dichlorobenzene         | 50.0        | 55.45      |               | ug/L |   | 111  | 67 - 130    |
| 1,3-Dichlorobenzene         | 50.0        | 55.29      |               | ug/L |   | 111  | 70 - 130    |
| Dichlorobromomethane        | 50.0        | 51.24      |               | ug/L |   | 102  | 67 - 133    |
| 1,4-Dichlorobenzene         | 50.0        | 55.96      |               | ug/L |   | 112  | 70 - 130    |
| 1,1-Dichloroethane          | 50.0        | 49.88      |               | ug/L |   | 100  | 70 - 130    |
| 1,2-Dichloroethane          | 50.0        | 50.77      |               | ug/L |   | 102  | 69 - 130    |
| cis-1,2-Dichloroethene      | 50.0        | 50.88      |               | ug/L |   | 102  | 68 - 130    |
| 1,1-Dichloroethene          | 50.0        | 54.86      |               | ug/L |   | 110  | 63 - 134    |
| 1,2-Dichloropropane         | 50.0        | 51.42      |               | ug/L |   | 103  | 70 - 130    |
| 1,3-Dichloropropane         | 50.0        | 53.12      |               | ug/L |   | 106  | 70 - 130    |
| 2,2-Dichloropropane         | 50.0        | 46.69      |               | ug/L |   | 93   | 52 - 135    |
| 1,1-Dichloropropene         | 50.0        | 51.78      |               | ug/L |   | 104  | 70 - 130    |
| Ethylene Dibromide          | 50.0        | 50.89      |               | ug/L |   | 102  | 70 - 130    |
| cis-1,3-Dichloropropene     | 50.0        | 48.49      |               | ug/L |   | 97   | 69 - 132    |
| Ethylbenzene                | 50.0        | 56.15      |               | ug/L |   | 112  | 70 - 130    |
| Hexachlorobutadiene         | 50.0        | 56.10      |               | ug/L |   | 112  | 53 - 140    |
| 2-Hexanone                  | 200         | 197.4      |               | ug/L |   | 99   | 65 - 137    |
| Iodomethane                 | 50.0        | 51.19      |               | ug/L |   | 102  | 27 - 150    |
| Isopropylbenzene            | 50.0        | 55.89      |               | ug/L |   | 112  | 70 - 130    |
| 4-Isopropyltoluene          | 50.0        | 58.97      |               | ug/L |   | 118  | 65 - 130    |
| Methylene Chloride          | 50.0        | 58.04      |               | ug/L |   | 116  | 66 - 135    |
| 4-Methyl-2-pentanone (MIBK) | 200         | 198.3      |               | ug/L |   | 99   | 69 - 138    |
| Methyl tert-butyl ether     | 50.0        | 46.24      |               | ug/L |   | 92   | 66 - 130    |
| Naphthalene                 | 50.0        | 45.13      |               | ug/L |   | 90   | 47 - 149    |
| n-Butylbenzene              | 50.0        | 66.54      | *+            | ug/L |   | 133  | 67 - 130    |
| N-Propylbenzene             | 50.0        | 56.87      |               | ug/L |   | 114  | 70 - 130    |
| sec-Butylbenzene            | 50.0        | 60.66      |               | ug/L |   | 121  | 66 - 130    |
| Styrene                     | 50.0        | 53.49      |               | ug/L |   | 107  | 70 - 130    |
| tert-Butylbenzene           | 50.0        | 56.83      |               | ug/L |   | 114  | 64 - 139    |
| 1,1,1,2-Tetrachloroethane   | 50.0        | 51.22      |               | ug/L |   | 102  | 67 - 131    |

# QC Sample Results

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

Job ID: 752-38206-1

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

Lab Sample ID: LCS 400-728000/1002

Matrix: Water

Analysis Batch: 728000

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                               | Spike Added | LCS    | LCS       | Unit | D | %Rec | %Rec Limits |
|---------------------------------------|-------------|--------|-----------|------|---|------|-------------|
|                                       |             | Result | Qualifier |      |   |      |             |
| 1,1,2,2-Tetrachloroethane             | 50.0        | 52.56  |           | ug/L |   | 105  | 70 - 131    |
| Tetrachloroethene                     | 50.0        | 48.26  |           | ug/L |   | 97   | 65 - 130    |
| Toluene                               | 50.0        | 52.97  |           | ug/L |   | 106  | 70 - 130    |
| trans-1,4-Dichloro-2-butene           | 50.0        | 52.64  |           | ug/L |   | 105  | 57 - 140    |
| trans-1,2-Dichloroethene              | 50.0        | 51.90  |           | ug/L |   | 104  | 70 - 130    |
| trans-1,3-Dichloropropene             | 50.0        | 51.85  |           | ug/L |   | 104  | 63 - 130    |
| 1,2,3-Trichlorobenzene                | 50.0        | 47.35  |           | ug/L |   | 95   | 60 - 138    |
| 1,2,4-Trichlorobenzene                | 50.0        | 50.50  |           | ug/L |   | 101  | 60 - 140    |
| 1,1,1-Trichloroethane                 | 50.0        | 50.14  |           | ug/L |   | 100  | 68 - 130    |
| 1,1,2-Trichloroethane                 | 50.0        | 52.46  |           | ug/L |   | 105  | 70 - 130    |
| o-Xylene                              | 50.0        | 53.86  |           | ug/L |   | 108  | 70 - 130    |
| Trichloroethene                       | 50.0        | 49.06  |           | ug/L |   | 98   | 70 - 130    |
| m-Xylene & p-Xylene                   | 50.0        | 53.62  |           | ug/L |   | 107  | 70 - 130    |
| Trichlorofluoromethane                | 50.0        | 62.26  |           | ug/L |   | 125  | 65 - 138    |
| 1,2,3-Trichloropropane                | 50.0        | 49.82  |           | ug/L |   | 100  | 70 - 130    |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 50.0        | 57.76  |           | ug/L |   | 116  | 60 - 139    |
| 1,2,4-Trimethylbenzene                | 50.0        | 56.78  |           | ug/L |   | 114  | 70 - 130    |
| 1,3,5-Trimethylbenzene                | 50.0        | 55.53  |           | ug/L |   | 111  | 69 - 130    |
| Isopropyl ether                       | 50.0        | 49.13  |           | ug/L |   | 98   | 64 - 132    |
| Hexane                                | 50.0        | 50.83  |           | ug/L |   | 102  | 69 - 130    |
| Vinyl acetate                         | 100         | 110.0  |           | ug/L |   | 110  | 26 - 150    |
| n-Heptane                             | 50.0        | 48.90  |           | ug/L |   | 98   | 70 - 130    |
| Vinyl chloride                        | 50.0        | 50.46  |           | ug/L |   | 101  | 59 - 136    |
| Ethyl acetate                         | 100         | 90.92  |           | ug/L |   | 91   | 34 - 150    |
| Xylenes, Total                        | 100         | 107.5  |           | ug/L |   | 107  | 70 - 130    |

| Surrogate                    | LCS       | LCS       | Limits   |
|------------------------------|-----------|-----------|----------|
|                              | %Recovery | Qualifier |          |
| 4-Bromofluorobenzene         | 93        |           | 56 - 136 |
| Dibromofluoromethane         | 105       |           | 79 - 130 |
| Toluene-d8 (Surr)            | 103       |           | 64 - 132 |
| 1,2-Dichloroethane-d4 (Surr) | 100       |           | 59 - 146 |

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

Lab Sample ID: MB 400-727430/1-A

Matrix: Solid

Analysis Batch: 727862

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 727430

| Analyte               | MB     | MB        | RL    | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------|--------|-----------|-------|---------|-------|---|----------------|----------------|---------|
|                       | Result | Qualifier |       |         |       |   |                |                |         |
| 1,1'-Biphenyl         | ND     |           | 0.330 | 0.00960 | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| 2,4,5-Trichlorophenol | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| 2,4,6-Trichlorophenol | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| 2,4-Dichlorophenol    | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| 2,4-Dimethylphenol    | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| 2,4-Dinitrophenol     | ND     |           | 0.990 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| 2,4-Dinitrotoluene    | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| 2,6-Dinitrotoluene    | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| 2-Chloronaphthalene   | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |

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# QC Sample Results

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

Job ID: 752-38206-1

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

**Lab Sample ID: MB 400-727430/1-A**

**Client Sample ID: Method Blank**

**Matrix: Solid**

**Prep Type: Total/NA**

**Analysis Batch: 727862**

**Prep Batch: 727430**

| Analyte                       | MB     | MB        | RL    | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-------|---------|-------|---|----------------|----------------|---------|
|                               | Result | Qualifier |       |         |       |   |                |                |         |
| 2-Chlorophenol                | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| 2-Methylnaphthalene           | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| 2-Methylphenol                | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| 2-Nitroaniline                | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| 2-Nitrophenol                 | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| 3 & 4 Methylphenol            | ND     |           | 0.660 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| 3-Nitroaniline                | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| 4-Chloroaniline               | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| 4-Nitroaniline                | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| 4-Nitrophenol                 | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| Acenaphthene                  | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| Acenaphthylene                | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| Acetophenone                  | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| Anthracene                    | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| Atrazine                      | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| Benzaldehyde                  | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| Benzo[a]anthracene            | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| Benzo[a]pyrene                | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| Benzo[b]fluoranthene          | ND     |           | 0.330 | 0.00140 | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| Benzo[g,h,i]perylene          | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| Benzo[k]fluoranthene          | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 0.330 | 0.100   | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| Butyl benzyl phthalate        | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| Caprolactam                   | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| Carbazole                     | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| Chrysene                      | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| Dibenzofuran                  | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| Diethyl phthalate             | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| Dimethyl phthalate            | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| Di-n-butyl phthalate          | ND     |           | 0.990 | 0.300   | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| Di-n-octyl phthalate          | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| Fluoranthene                  | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| Fluorene                      | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| Hexachlorobenzene             | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| Hexachlorobutadiene           | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| Hexachlorocyclopentadiene     | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| Hexachloroethane              | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| Indeno[1,2,3-cd]pyrene        | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| Isophorone                    | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| Naphthalene                   | ND     |           | 0.330 | 0.0330  | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |

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# QC Sample Results

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

Job ID: 752-38206-1

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

Lab Sample ID: MB 400-727430/1-A

Matrix: Solid

Analysis Batch: 727862

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 727430

| Analyte                   | MB     | MB        | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
|                           | Result | Qualifier |       |        |       |   |                |                |         |
| Nitrobenzene              | ND     |           | 0.330 | 0.0330 | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 0.330 | 0.0330 | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 0.330 | 0.0330 | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| Pentachlorophenol         | ND     |           | 0.330 | 0.0330 | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| Phenanthrene              | ND     |           | 0.330 | 0.0330 | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| Phenol                    | ND     |           | 0.330 | 0.0330 | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| Pyrene                    | ND     |           | 0.330 | 0.0330 | mg/Kg |   | 10/20/25 12:54 | 10/23/25 13:55 | 1       |

| Surrogate                   | MB        | MB        | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
|                             | %Recovery | Qualifier |          |                |                |         |
| 2,4,6-Tribromophenol (Surr) | 133       |           | 40 - 140 | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| 2-Fluorobiphenyl (Surr)     | 99        |           | 40 - 140 | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| 2-Fluorophenol (Surr)       | 91        |           | 40 - 140 | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| Nitrobenzene-d5 (Surr)      | 87        |           | 40 - 140 | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| Phenol-d5 (Surr)            | 91        |           | 40 - 140 | 10/20/25 12:54 | 10/23/25 13:55 | 1       |
| Terphenyl-d14 (Surr)        | 110       |           | 40 - 140 | 10/20/25 12:54 | 10/23/25 13:55 | 1       |

Lab Sample ID: LCS 400-727430/2-A

Matrix: Solid

Analysis Batch: 727862

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 727430

| Analyte                     | Spike Added | LCS    | LCS       | Unit  | D | %Rec | %Rec Limits |
|-----------------------------|-------------|--------|-----------|-------|---|------|-------------|
|                             |             | Result | Qualifier |       |   |      |             |
| 1,1'-Biphenyl               | 1.50        | 1.886  |           | mg/Kg |   | 126  | 19 - 126    |
| 2,4,5-Trichlorophenol       | 1.50        | 2.275  | *+        | mg/Kg |   | 152  | 10 - 150    |
| 2,4,6-Trichlorophenol       | 1.50        | 2.119  |           | mg/Kg |   | 141  | 10 - 150    |
| 2,4-Dichlorophenol          | 1.50        | 1.818  |           | mg/Kg |   | 121  | 10 - 150    |
| 2,4-Dimethylphenol          | 1.50        | 1.735  |           | mg/Kg |   | 116  | 10 - 141    |
| 2,4-Dinitrophenol           | 3.00        | 3.527  |           | mg/Kg |   | 118  | 10 - 150    |
| 2,4-Dinitrotoluene          | 1.50        | 2.080  | *+        | mg/Kg |   | 139  | 31 - 136    |
| 2,6-Dinitrotoluene          | 1.50        | 2.162  | *+        | mg/Kg |   | 144  | 31 - 137    |
| 2-Chloronaphthalene         | 1.50        | 1.954  | *+        | mg/Kg |   | 130  | 20 - 126    |
| 2-Chlorophenol              | 1.50        | 1.991  |           | mg/Kg |   | 133  | 10 - 150    |
| 2-Methylnaphthalene         | 1.50        | 1.810  |           | mg/Kg |   | 121  | 20 - 150    |
| 2-Methylphenol              | 1.50        | 1.925  | *+        | mg/Kg |   | 128  | 18 - 126    |
| 2-Nitroaniline              | 1.50        | 2.036  |           | mg/Kg |   | 136  | 30 - 150    |
| 2-Nitrophenol               | 1.50        | 1.705  |           | mg/Kg |   | 114  | 19 - 150    |
| 3 & 4 Methylphenol          | 1.50        | 2.236  |           | mg/Kg |   | 149  | 10 - 150    |
| 3,3'-Dichlorobenzidine      | 3.00        | 3.117  | E         | mg/Kg |   | 104  | 10 - 124    |
| 3-Nitroaniline              | 1.50        | 1.963  |           | mg/Kg |   | 131  | 10 - 148    |
| 4,6-Dinitro-2-methylphenol  | 3.00        | 3.875  |           | mg/Kg |   | 129  | 15 - 150    |
| 4-Bromophenyl phenyl ether  | 1.50        | 1.974  | *+        | mg/Kg |   | 132  | 21 - 129    |
| 4-Chloro-3-methylphenol     | 1.50        | 1.831  |           | mg/Kg |   | 122  | 16 - 150    |
| 4-Chloroaniline             | 1.50        | 1.360  |           | mg/Kg |   | 91   | 10 - 120    |
| 4-Chlorophenyl phenyl ether | 1.50        | 1.961  | *+        | mg/Kg |   | 131  | 21 - 124    |
| 4-Nitroaniline              | 1.50        | 2.022  |           | mg/Kg |   | 135  | 21 - 146    |
| 4-Nitrophenol               | 3.00        | 4.862  | *+        | mg/Kg |   | 162  | 10 - 150    |
| Acenaphthene                | 1.50        | 1.901  |           | mg/Kg |   | 127  | 21 - 150    |
| Acenaphthylene              | 1.50        | 1.885  |           | mg/Kg |   | 126  | 22 - 150    |
| Acetophenone                | 1.50        | 2.071  | *+        | mg/Kg |   | 138  | 15 - 128    |

Eurofins Raleigh

# QC Sample Results

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

Job ID: 752-38206-1

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

Lab Sample ID: LCS 400-727430/2-A

Matrix: Solid

Analysis Batch: 727862

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 727430

| Analyte                       | Spike Added | LCS    | LCS       | Unit  | D | %Rec | %Rec Limits |
|-------------------------------|-------------|--------|-----------|-------|---|------|-------------|
|                               |             | Result | Qualifier |       |   |      |             |
| Anthracene                    | 1.50        | 1.902  |           | mg/Kg |   | 127  | 28 - 150    |
| Atrazine                      | 1.50        | 1.676  |           | mg/Kg |   | 112  | 10 - 150    |
| Benzaldehyde                  | 1.50        | 1.455  |           | mg/Kg |   | 97   | 10 - 150    |
| Benzo[a]anthracene            | 1.50        | 1.873  |           | mg/Kg |   | 125  | 32 - 150    |
| Benzo[a]pyrene                | 1.50        | 2.072  |           | mg/Kg |   | 138  | 24 - 150    |
| Benzo[b]fluoranthene          | 1.50        | 2.058  |           | mg/Kg |   | 137  | 17 - 150    |
| Benzo[g,h,i]perylene          | 1.50        | 2.090  |           | mg/Kg |   | 139  | 25 - 150    |
| Benzo[k]fluoranthene          | 1.50        | 2.152  |           | mg/Kg |   | 143  | 24 - 150    |
| bis (2-chloroisopropyl) ether | 1.50        | 1.960  | *+        | mg/Kg |   | 131  | 13 - 125    |
| Bis(2-chloroethoxy)methane    | 1.50        | 1.765  |           | mg/Kg |   | 118  | 16 - 132    |
| Bis(2-chloroethyl)ether       | 1.50        | 1.946  | *+        | mg/Kg |   | 130  | 24 - 120    |
| Bis(2-ethylhexyl) phthalate   | 1.50        | 1.702  |           | mg/Kg |   | 113  | 12 - 150    |
| Butyl benzyl phthalate        | 1.50        | 1.872  |           | mg/Kg |   | 125  | 24 - 150    |
| Caprolactam                   | 1.50        | 1.507  |           | mg/Kg |   | 100  | 10 - 150    |
| Carbazole                     | 1.50        | 2.148  |           | mg/Kg |   | 143  | 16 - 150    |
| Chrysene                      | 1.50        | 1.854  |           | mg/Kg |   | 124  | 31 - 150    |
| Dibenz(a,h)anthracene         | 1.50        | 2.240  |           | mg/Kg |   | 149  | 26 - 150    |
| Dibenzofuran                  | 1.50        | 2.015  | *+        | mg/Kg |   | 134  | 27 - 123    |
| Diethyl phthalate             | 1.50        | 1.742  |           | mg/Kg |   | 116  | 20 - 150    |
| Dimethyl phthalate            | 1.50        | 1.899  |           | mg/Kg |   | 127  | 21 - 140    |
| Di-n-butyl phthalate          | 1.50        | 1.995  |           | mg/Kg |   | 133  | 10 - 150    |
| Di-n-octyl phthalate          | 1.50        | 1.865  |           | mg/Kg |   | 124  | 23 - 150    |
| Fluoranthene                  | 1.50        | 1.783  |           | mg/Kg |   | 119  | 27 - 150    |
| Fluorene                      | 1.50        | 1.718  |           | mg/Kg |   | 115  | 21 - 150    |
| Hexachlorobenzene             | 1.50        | 2.090  | *+        | mg/Kg |   | 139  | 23 - 121    |
| Hexachlorobutadiene           | 1.50        | 1.682  |           | mg/Kg |   | 112  | 15 - 120    |
| Hexachlorocyclopentadiene     | 1.50        | 1.603  |           | mg/Kg |   | 107  | 14 - 132    |
| Hexachloroethane              | 1.50        | 1.778  |           | mg/Kg |   | 119  | 20 - 120    |
| Indeno[1,2,3-cd]pyrene        | 1.50        | 2.095  |           | mg/Kg |   | 140  | 33 - 150    |
| Isophorone                    | 1.50        | 1.840  |           | mg/Kg |   | 123  | 22 - 129    |
| Naphthalene                   | 1.50        | 1.757  |           | mg/Kg |   | 117  | 17 - 150    |
| Nitrobenzene                  | 1.50        | 1.896  |           | mg/Kg |   | 126  | 22 - 126    |
| N-Nitrosodi-n-propylamine     | 1.50        | 1.915  |           | mg/Kg |   | 128  | 23 - 128    |
| N-Nitrosodiphenylamine        | 1.49        | 1.990  |           | mg/Kg |   | 134  | 21 - 137    |
| Pentachlorophenol             | 3.00        | 4.990  | *+        | mg/Kg |   | 166  | 10 - 150    |
| Phenanthrene                  | 1.50        | 1.861  |           | mg/Kg |   | 124  | 24 - 150    |
| Phenol                        | 1.50        | 1.957  |           | mg/Kg |   | 130  | 10 - 150    |
| Pyrene                        | 1.50        | 1.834  |           | mg/Kg |   | 122  | 25 - 150    |

| Surrogate                   | LCS LCS   |           | Limits   |
|-----------------------------|-----------|-----------|----------|
|                             | %Recovery | Qualifier |          |
| 2,4,6-Tribromophenol (Surr) | 176       | S1+       | 40 - 140 |
| 2-Fluorobiphenyl (Surr)     | 123       |           | 40 - 140 |
| 2-Fluorophenol (Surr)       | 119       |           | 40 - 140 |
| Nitrobenzene-d5 (Surr)      | 117       |           | 40 - 140 |
| Phenol-d5 (Surr)            | 118       |           | 40 - 140 |
| Terphenyl-d14 (Surr)        | 118       |           | 40 - 140 |

# QC Sample Results

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

Job ID: 752-38206-1

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

Lab Sample ID: 752-38206-1 MS

Matrix: Solid

Analysis Batch: 727862

Client Sample ID: SED-1

Prep Type: Total/NA

Prep Batch: 727430

| Analyte                      | Sample | Sample    | Spike | MS     | MS        | Unit  | D | %Rec | %Rec<br>Limits |
|------------------------------|--------|-----------|-------|--------|-----------|-------|---|------|----------------|
|                              | Result | Qualifier | Added | Result | Qualifier |       |   |      |                |
| 1,1'-Biphenyl                | ND     |           | 1.81  | 2.310  |           | mg/Kg | ☼ | 128  | 40 - 140       |
| 2,4,5-Trichlorophenol        | ND     | *+ F1     | 1.81  | 2.977  | F1        | mg/Kg | ☼ | 164  | 40 - 140       |
| 2,4,6-Trichlorophenol        | ND     | F1        | 1.81  | 2.531  |           | mg/Kg | ☼ | 140  | 40 - 140       |
| 2,4-Dichlorophenol           | ND     |           | 1.81  | 2.321  |           | mg/Kg | ☼ | 128  | 40 - 140       |
| 2,4-Dimethylphenol           | ND     |           | 1.81  | 1.954  |           | mg/Kg | ☼ | 108  | 40 - 140       |
| 2,4-Dinitrophenol            | ND     |           | 3.62  | 4.720  |           | mg/Kg | ☼ | 130  | 40 - 140       |
| 2,4-Dinitrotoluene           | ND     | *+ F1     | 1.81  | 2.698  | F1        | mg/Kg | ☼ | 149  | 40 - 140       |
| 2,6-Dinitrotoluene           | ND     | *+ F1     | 1.81  | 2.887  | F1        | mg/Kg | ☼ | 159  | 40 - 140       |
| 2-Chloronaphthalene          | ND     | *+ F1     | 1.81  | 2.458  |           | mg/Kg | ☼ | 136  | 40 - 140       |
| 2-Chlorophenol               | ND     |           | 1.81  | 2.266  |           | mg/Kg | ☼ | 125  | 40 - 140       |
| 2-Methylnaphthalene          | ND     |           | 1.81  | 2.304  |           | mg/Kg | ☼ | 127  | 40 - 140       |
| 2-Methylphenol               | ND     | *+        | 1.81  | 2.114  |           | mg/Kg | ☼ | 117  | 40 - 140       |
| 2-Nitroaniline               | ND     | F1        | 1.81  | 2.770  | F1        | mg/Kg | ☼ | 153  | 40 - 140       |
| 2-Nitrophenol                | ND     |           | 1.81  | 2.320  |           | mg/Kg | ☼ | 128  | 40 - 140       |
| 3 & 4 Methylphenol           | ND     | F1        | 1.81  | 2.578  | F1        | mg/Kg | ☼ | 142  | 40 - 140       |
| 3,3'-Dichlorobenzidine       | ND     |           | 3.62  | 4.230  | E         | mg/Kg | ☼ | 117  | 40 - 140       |
| 3-Nitroaniline               | ND     | F1        | 1.81  | 2.662  | F1        | mg/Kg | ☼ | 147  | 40 - 140       |
| 4,6-Dinitro-2-methylphenol   | ND     | F1        | 3.62  | 5.408  | F1        | mg/Kg | ☼ | 149  | 40 - 140       |
| 4-Bromophenyl phenyl ether   | ND     | *+ F1     | 1.81  | 2.488  |           | mg/Kg | ☼ | 137  | 40 - 140       |
| 4-Chloro-3-methylphenol      | ND     |           | 1.81  | 2.374  |           | mg/Kg | ☼ | 131  | 40 - 140       |
| 4-Chloroaniline              | ND     |           | 1.81  | 1.719  |           | mg/Kg | ☼ | 95   | 40 - 140       |
| 4-Chlorophenyl phenyl ether  | ND     | *+ F1     | 1.81  | 2.529  |           | mg/Kg | ☼ | 140  | 40 - 140       |
| 4-Nitroaniline               | ND     | F1        | 1.81  | 2.565  | F1        | mg/Kg | ☼ | 142  | 40 - 140       |
| 4-Nitrophenol                | ND     | *+ F1     | 3.62  | 6.019  | F1        | mg/Kg | ☼ | 166  | 40 - 140       |
| Acenaphthene                 | ND     | F1        | 1.81  | 2.409  |           | mg/Kg | ☼ | 133  | 40 - 140       |
| Acenaphthylene               | ND     |           | 1.81  | 2.372  |           | mg/Kg | ☼ | 131  | 40 - 140       |
| Acetophenone                 | ND     | *+ F1     | 1.81  | 2.502  |           | mg/Kg | ☼ | 138  | 40 - 140       |
| Anthracene                   | ND     |           | 1.81  | 2.423  |           | mg/Kg | ☼ | 134  | 40 - 140       |
| Atrazine                     | ND     |           | 1.81  | 1.856  |           | mg/Kg | ☼ | 103  | 40 - 140       |
| Benzaldehyde                 | ND     |           | 1.81  | 1.326  |           | mg/Kg | ☼ | 73   | 40 - 140       |
| Benzo[a]anthracene           | ND     |           | 1.81  | 2.413  |           | mg/Kg | ☼ | 133  | 40 - 140       |
| Benzo[a]pyrene               | ND     | F1        | 1.81  | 2.585  | F1        | mg/Kg | ☼ | 143  | 40 - 140       |
| Benzo[b]fluoranthene         | 0.0471 | J F1      | 1.81  | 2.571  |           | mg/Kg | ☼ | 139  | 40 - 140       |
| Benzo[g,h,i]perylene         | ND     | F1        | 1.81  | 2.579  | F1        | mg/Kg | ☼ | 142  | 40 - 140       |
| Benzo[k]fluoranthene         | ND     | F1        | 1.81  | 2.697  | F1        | mg/Kg | ☼ | 149  | 40 - 140       |
| bis(2-chloroisopropyl) ether | ND     | *+        | 1.81  | 2.339  |           | mg/Kg | ☼ | 129  | 40 - 140       |
| Bis(2-chloroethoxy)methane   | ND     |           | 1.81  | 2.258  |           | mg/Kg | ☼ | 125  | 40 - 140       |
| Bis(2-chloroethyl)ether      | ND     | *+        | 1.81  | 2.338  |           | mg/Kg | ☼ | 129  | 40 - 140       |
| Bis(2-ethylhexyl) phthalate  | ND     |           | 1.81  | 2.237  |           | mg/Kg | ☼ | 124  | 40 - 140       |
| Butyl benzyl phthalate       | ND     | F1        | 1.81  | 2.468  |           | mg/Kg | ☼ | 136  | 40 - 140       |
| Caprolactam                  | ND     |           | 1.81  | 1.771  |           | mg/Kg | ☼ | 98   | 40 - 140       |
| Carbazole                    | ND     | F1        | 1.81  | 2.676  | F1        | mg/Kg | ☼ | 148  | 40 - 140       |
| Chrysene                     | ND     |           | 1.81  | 2.423  |           | mg/Kg | ☼ | 134  | 40 - 140       |
| Dibenz(a,h)anthracene        | ND     | F1        | 1.81  | 2.772  | F1        | mg/Kg | ☼ | 153  | 40 - 140       |
| Dibenzofuran                 | ND     | *+ F1     | 1.81  | 2.618  | F1        | mg/Kg | ☼ | 145  | 40 - 140       |
| Diethyl phthalate            | ND     |           | 1.81  | 2.193  |           | mg/Kg | ☼ | 121  | 40 - 140       |
| Dimethyl phthalate           | ND     |           | 1.81  | 2.387  |           | mg/Kg | ☼ | 132  | 40 - 140       |
| Di-n-butyl phthalate         | ND     |           | 1.81  | 2.441  |           | mg/Kg | ☼ | 135  | 40 - 140       |

# QC Sample Results

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

Job ID: 752-38206-1

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

Lab Sample ID: 752-38206-1 MS

Matrix: Solid

Analysis Batch: 727862

Client Sample ID: SED-1

Prep Type: Total/NA

Prep Batch: 727430

| Analyte                   | Sample | Sample    | Spike<br>Added | MS     | MS        | Unit  | D | %Rec | %Rec<br>Limits |
|---------------------------|--------|-----------|----------------|--------|-----------|-------|---|------|----------------|
|                           | Result | Qualifier |                | Result | Qualifier |       |   |      |                |
| Di-n-octyl phthalate      | ND     | F1        | 1.81           | 2.490  |           | mg/Kg | ⊛ | 137  | 40 - 140       |
| Fluoranthene              | 0.0483 | J         | 1.81           | 2.259  |           | mg/Kg | ⊛ | 122  | 40 - 140       |
| Fluorene                  | ND     |           | 1.81           | 2.261  |           | mg/Kg | ⊛ | 125  | 40 - 140       |
| Hexachlorobenzene         | ND     | *+ F1     | 1.81           | 2.719  | F1        | mg/Kg | ⊛ | 150  | 40 - 140       |
| Hexachlorobutadiene       | ND     |           | 1.81           | 2.029  |           | mg/Kg | ⊛ | 112  | 40 - 140       |
| Hexachlorocyclopentadiene | ND     |           | 1.81           | 1.422  |           | mg/Kg | ⊛ | 79   | 40 - 140       |
| Hexachloroethane          | ND     |           | 1.81           | 1.780  |           | mg/Kg | ⊛ | 98   | 40 - 140       |
| Indeno[1,2,3-cd]pyrene    | ND     | F1        | 1.81           | 2.588  | F1        | mg/Kg | ⊛ | 143  | 40 - 140       |
| Isophorone                | ND     |           | 1.81           | 2.286  |           | mg/Kg | ⊛ | 126  | 40 - 140       |
| Naphthalene               | ND     |           | 1.81           | 2.161  |           | mg/Kg | ⊛ | 119  | 40 - 140       |
| Nitrobenzene              | ND     |           | 1.81           | 2.354  |           | mg/Kg | ⊛ | 130  | 40 - 140       |
| N-Nitrosodi-n-propylamine | ND     |           | 1.81           | 2.356  |           | mg/Kg | ⊛ | 130  | 40 - 140       |
| N-Nitrosodiphenylamine    | ND     | F1        | 1.80           | 2.496  |           | mg/Kg | ⊛ | 139  | 40 - 140       |
| Pentachlorophenol         | ND     | *+        | 3.62           | 1.876  |           | mg/Kg | ⊛ | 52   | 40 - 140       |
| Phenanthrene              | ND     |           | 1.81           | 2.382  |           | mg/Kg | ⊛ | 132  | 40 - 140       |
| Phenol                    | ND     |           | 1.81           | 2.049  |           | mg/Kg | ⊛ | 113  | 40 - 140       |
| Pyrene                    | 0.0494 | J         | 1.81           | 2.308  |           | mg/Kg | ⊛ | 125  | 40 - 140       |

| Surrogate                   | MS        | MS        | Limits   |
|-----------------------------|-----------|-----------|----------|
|                             | %Recovery | Qualifier |          |
| 2,4,6-Tribromophenol (Surr) | 159       | S1+       | 40 - 140 |
| 2-Fluorobiphenyl (Surr)     | 113       |           | 40 - 140 |
| 2-Fluorophenol (Surr)       | 101       |           | 40 - 140 |
| Nitrobenzene-d5 (Surr)      | 108       |           | 40 - 140 |
| Phenol-d5 (Surr)            | 97        |           | 40 - 140 |
| Terphenyl-d14 (Surr)        | 112       |           | 40 - 140 |

Lab Sample ID: 752-38206-1 MSD

Matrix: Solid

Analysis Batch: 727862

Client Sample ID: SED-1

Prep Type: Total/NA

Prep Batch: 727430

| Analyte                | Sample | Sample    | Spike<br>Added | MSD    | MSD       | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|------------------------|--------|-----------|----------------|--------|-----------|-------|---|------|----------------|-----|--------------|
|                        | Result | Qualifier |                | Result | Qualifier |       |   |      |                |     |              |
| 1,1'-Biphenyl          | ND     |           | 1.85           | 2.522  |           | mg/Kg | ⊛ | 137  | 40 - 140       | 9   | 50           |
| 2,4,5-Trichlorophenol  | ND     | *+ F1     | 1.85           | 3.286  | F1        | mg/Kg | ⊛ | 178  | 40 - 140       | 10  | 50           |
| 2,4,6-Trichlorophenol  | ND     | F1        | 1.85           | 2.618  | F1        | mg/Kg | ⊛ | 142  | 40 - 140       | 3   | 50           |
| 2,4-Dichlorophenol     | ND     |           | 1.85           | 2.407  |           | mg/Kg | ⊛ | 130  | 40 - 140       | 4   | 50           |
| 2,4-Dimethylphenol     | ND     |           | 1.85           | 1.966  |           | mg/Kg | ⊛ | 107  | 40 - 140       | 1   | 50           |
| 2,4-Dinitrophenol      | ND     |           | 3.69           | 4.628  |           | mg/Kg | ⊛ | 125  | 40 - 140       | 2   | 50           |
| 2,4-Dinitrotoluene     | ND     | *+ F1     | 1.85           | 2.945  | F1        | mg/Kg | ⊛ | 160  | 40 - 140       | 9   | 50           |
| 2,6-Dinitrotoluene     | ND     | *+ F1     | 1.85           | 3.157  | F1        | mg/Kg | ⊛ | 171  | 40 - 140       | 9   | 50           |
| 2-Chloronaphthalene    | ND     | *+ F1     | 1.85           | 2.635  | F1        | mg/Kg | ⊛ | 143  | 40 - 140       | 7   | 50           |
| 2-Chlorophenol         | ND     |           | 1.85           | 2.324  |           | mg/Kg | ⊛ | 126  | 40 - 140       | 3   | 50           |
| 2-Methylnaphthalene    | ND     |           | 1.85           | 2.368  |           | mg/Kg | ⊛ | 128  | 40 - 140       | 3   | 50           |
| 2-Methylphenol         | ND     | *+        | 1.85           | 2.211  |           | mg/Kg | ⊛ | 120  | 40 - 140       | 4   | 50           |
| 2-Nitroaniline         | ND     | F1        | 1.85           | 2.984  | F1        | mg/Kg | ⊛ | 162  | 40 - 140       | 7   | 50           |
| 2-Nitrophenol          | ND     |           | 1.85           | 2.377  |           | mg/Kg | ⊛ | 129  | 40 - 140       | 2   | 50           |
| 3 & 4 Methylphenol     | ND     | F1        | 1.85           | 2.750  | F1        | mg/Kg | ⊛ | 149  | 40 - 140       | 6   | 50           |
| 3,3'-Dichlorobenzidine | ND     |           | 3.69           | 4.492  | E         | mg/Kg | ⊛ | 122  | 40 - 140       | 6   | 50           |
| 3-Nitroaniline         | ND     | F1        | 1.85           | 2.837  | F1        | mg/Kg | ⊛ | 154  | 40 - 140       | 6   | 50           |

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# QC Sample Results

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

Job ID: 752-38206-1

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

Lab Sample ID: 752-38206-1 MSD

Client Sample ID: SED-1

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 727862

Prep Batch: 727430

| Analyte                      | Sample | Sample    | Spike | MSD    |           | Unit  | D | %Rec | %Rec     |     | RPD   |  |
|------------------------------|--------|-----------|-------|--------|-----------|-------|---|------|----------|-----|-------|--|
|                              | Result | Qualifier |       | Result | Qualifier |       |   |      | Limits   | RPD | Limit |  |
| 4,6-Dinitro-2-methylphenol   | ND     | F1        | 3.69  | 5.747  | F1        | mg/Kg | ☼ | 156  | 40 - 140 | 6   | 50    |  |
| 4-Bromophenyl phenyl ether   | ND     | *+ F1     | 1.85  | 2.628  | F1        | mg/Kg | ☼ | 142  | 40 - 140 | 6   | 50    |  |
| 4-Chloro-3-methylphenol      | ND     |           | 1.85  | 2.432  |           | mg/Kg | ☼ | 132  | 40 - 140 | 2   | 50    |  |
| 4-Chloroaniline              | ND     |           | 1.85  | 1.751  |           | mg/Kg | ☼ | 95   | 40 - 140 | 2   | 50    |  |
| 4-Chlorophenyl phenyl ether  | ND     | *+ F1     | 1.85  | 2.671  | F1        | mg/Kg | ☼ | 145  | 40 - 140 | 5   | 50    |  |
| 4-Nitroaniline               | ND     | F1        | 1.85  | 2.811  | F1        | mg/Kg | ☼ | 152  | 40 - 140 | 9   | 50    |  |
| 4-Nitrophenol                | ND     | *+ F1     | 3.69  | 6.169  | F1        | mg/Kg | ☼ | 167  | 40 - 140 | 2   | 50    |  |
| Acenaphthene                 | ND     | F1        | 1.85  | 2.615  | F1        | mg/Kg | ☼ | 142  | 40 - 140 | 8   | 50    |  |
| Acenaphthylene               | ND     |           | 1.85  | 2.555  |           | mg/Kg | ☼ | 138  | 40 - 140 | 7   | 50    |  |
| Acetophenone                 | ND     | *+ F1     | 1.85  | 2.621  | F1        | mg/Kg | ☼ | 142  | 40 - 140 | 5   | 50    |  |
| Anthracene                   | ND     |           | 1.85  | 2.549  |           | mg/Kg | ☼ | 138  | 40 - 140 | 5   | 50    |  |
| Atrazine                     | ND     |           | 1.85  | 2.014  |           | mg/Kg | ☼ | 109  | 40 - 140 | 8   | 50    |  |
| Benzaldehyde                 | ND     |           | 1.85  | 1.087  |           | mg/Kg | ☼ | 59   | 40 - 140 | 20  | 50    |  |
| Benzo[a]anthracene           | ND     |           | 1.85  | 2.577  |           | mg/Kg | ☼ | 140  | 40 - 140 | 7   | 50    |  |
| Benzo[a]pyrene               | ND     | F1        | 1.85  | 2.666  | F1        | mg/Kg | ☼ | 144  | 40 - 140 | 3   | 50    |  |
| Benzo[b]fluoranthene         | 0.0471 | J F1      | 1.85  | 2.666  | F1        | mg/Kg | ☼ | 142  | 40 - 140 | 4   | 50    |  |
| Benzo[g,h,i]perylene         | ND     | F1        | 1.85  | 2.579  |           | mg/Kg | ☼ | 140  | 40 - 140 | 0   | 50    |  |
| Benzo[k]fluoranthene         | ND     | F1        | 1.85  | 2.778  | F1        | mg/Kg | ☼ | 151  | 40 - 140 | 3   | 50    |  |
| bis(2-chloroisopropyl) ether | ND     | *+        | 1.85  | 2.437  |           | mg/Kg | ☼ | 132  | 40 - 140 | 4   | 50    |  |
| Bis(2-chloroethoxy)methane   | ND     |           | 1.85  | 2.296  |           | mg/Kg | ☼ | 124  | 40 - 140 | 2   | 50    |  |
| Bis(2-chloroethyl)ether      | ND     | *+        | 1.85  | 2.475  |           | mg/Kg | ☼ | 134  | 40 - 140 | 6   | 50    |  |
| Bis(2-ethylhexyl) phthalate  | ND     |           | 1.85  | 2.418  |           | mg/Kg | ☼ | 131  | 40 - 140 | 8   | 50    |  |
| Butyl benzyl phthalate       | ND     | F1        | 1.85  | 2.625  | F1        | mg/Kg | ☼ | 142  | 40 - 140 | 6   | 50    |  |
| Caprolactam                  | ND     |           | 1.85  | 1.836  |           | mg/Kg | ☼ | 99   | 40 - 140 | 4   | 50    |  |
| Carbazole                    | ND     | F1        | 1.85  | 2.789  | F1        | mg/Kg | ☼ | 151  | 40 - 140 | 4   | 50    |  |
| Chrysene                     | ND     |           | 1.85  | 2.561  |           | mg/Kg | ☼ | 139  | 40 - 140 | 6   | 50    |  |
| Dibenz(a,h)anthracene        | ND     | F1        | 1.85  | 2.751  | F1        | mg/Kg | ☼ | 149  | 40 - 140 | 1   | 50    |  |
| Dibenzofuran                 | ND     | *+ F1     | 1.85  | 2.781  | F1        | mg/Kg | ☼ | 151  | 40 - 140 | 6   | 50    |  |
| Diethyl phthalate            | ND     |           | 1.85  | 2.388  |           | mg/Kg | ☼ | 129  | 40 - 140 | 9   | 50    |  |
| Dimethyl phthalate           | ND     |           | 1.85  | 2.534  |           | mg/Kg | ☼ | 137  | 40 - 140 | 6   | 50    |  |
| Di-n-butyl phthalate         | ND     |           | 1.85  | 2.590  |           | mg/Kg | ☼ | 140  | 40 - 140 | 6   | 50    |  |
| Di-n-octyl phthalate         | ND     | F1        | 1.85  | 2.638  | F1        | mg/Kg | ☼ | 143  | 40 - 140 | 6   | 50    |  |
| Fluoranthene                 | 0.0483 | J         | 1.85  | 2.435  |           | mg/Kg | ☼ | 129  | 40 - 140 | 7   | 50    |  |
| Fluorene                     | ND     |           | 1.85  | 2.438  |           | mg/Kg | ☼ | 132  | 40 - 140 | 8   | 50    |  |
| Hexachlorobenzene            | ND     | *+ F1     | 1.85  | 2.816  | F1        | mg/Kg | ☼ | 153  | 40 - 140 | 4   | 50    |  |
| Hexachlorobutadiene          | ND     |           | 1.85  | 2.041  |           | mg/Kg | ☼ | 111  | 40 - 140 | 1   | 50    |  |
| Hexachlorocyclopentadiene    | ND     |           | 1.85  | 1.449  |           | mg/Kg | ☼ | 79   | 40 - 140 | 2   | 50    |  |
| Hexachloroethane             | ND     |           | 1.85  | 1.744  |           | mg/Kg | ☼ | 94   | 40 - 140 | 2   | 50    |  |
| Indeno[1,2,3-cd]pyrene       | ND     | F1        | 1.85  | 2.622  | F1        | mg/Kg | ☼ | 142  | 40 - 140 | 1   | 50    |  |
| Isophorone                   | ND     |           | 1.85  | 2.376  |           | mg/Kg | ☼ | 129  | 40 - 140 | 4   | 50    |  |
| Naphthalene                  | ND     |           | 1.85  | 2.194  |           | mg/Kg | ☼ | 119  | 40 - 140 | 2   | 50    |  |
| Nitrobenzene                 | ND     |           | 1.85  | 2.493  |           | mg/Kg | ☼ | 135  | 40 - 140 | 6   | 50    |  |
| N-Nitrosodi-n-propylamine    | ND     |           | 1.85  | 2.425  |           | mg/Kg | ☼ | 131  | 40 - 140 | 3   | 50    |  |
| N-Nitrosodiphenylamine       | ND     | F1        | 1.83  | 2.649  | F1        | mg/Kg | ☼ | 145  | 40 - 140 | 6   | 50    |  |
| Pentachlorophenol            | ND     | *+        | 3.69  | 1.805  |           | mg/Kg | ☼ | 49   | 40 - 140 | 4   | 50    |  |
| Phenanthrene                 | ND     |           | 1.85  | 2.556  |           | mg/Kg | ☼ | 138  | 40 - 140 | 7   | 50    |  |
| Phenol                       | ND     |           | 1.85  | 2.115  |           | mg/Kg | ☼ | 115  | 40 - 140 | 3   | 50    |  |
| Pyrene                       | 0.0494 | J         | 1.85  | 2.489  |           | mg/Kg | ☼ | 132  | 40 - 140 | 8   | 50    |  |

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# QC Sample Results

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

Job ID: 752-38206-1

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

Lab Sample ID: 752-38206-1 MSD  
Matrix: Solid  
Analysis Batch: 727862

Client Sample ID: SED-1  
Prep Type: Total/NA  
Prep Batch: 727430

| Surrogate                   | MSD MSD   |           | Limits   |
|-----------------------------|-----------|-----------|----------|
|                             | %Recovery | Qualifier |          |
| 2,4,6-Tribromophenol (Surr) | 156       | S1+       | 40 - 140 |
| 2-Fluorobiphenyl (Surr)     | 105       |           | 40 - 140 |
| 2-Fluorophenol (Surr)       | 105       |           | 40 - 140 |
| Nitrobenzene-d5 (Surr)      | 109       |           | 40 - 140 |
| Phenol-d5 (Surr)            | 100       |           | 40 - 140 |
| Terphenyl-d14 (Surr)        | 117       |           | 40 - 140 |

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

Lab Sample ID: 752-38206-1 MS  
Matrix: Solid  
Analysis Batch: 727866

Client Sample ID: SED-1  
Prep Type: Total/NA  
Prep Batch: 727437

| Analyte          | Sample Result | Sample Qualifier | Spike Added | MS MS  |           | Unit  | D | %Rec  | %Rec Limits |
|------------------|---------------|------------------|-------------|--------|-----------|-------|---|-------|-------------|
|                  |               |                  |             | Result | Qualifier |       |   |       |             |
| 1,4-Dioxane      | ND            | F1               | 0.330       | 46.04  | E         | mg/Kg | ✱ | 13948 | 50 - 150    |
| Isotope Dilution |               | MSD MSD          |             | Limits |           |       |   |       |             |
| 1,4-Dioxane-d8   | 0.4           | *5-              | 10 - 150    |        |           |       |   |       |             |

Lab Sample ID: 752-38206-1 MSD  
Matrix: Solid  
Analysis Batch: 727866

Client Sample ID: SED-1  
Prep Type: Total/NA  
Prep Batch: 727437

| Analyte          | Sample Result | Sample Qualifier | Spike Added | MSD MSD |           | Unit  | D | %Rec  | %Rec Limits | RPD |       |
|------------------|---------------|------------------|-------------|---------|-----------|-------|---|-------|-------------|-----|-------|
|                  |               |                  |             | Result  | Qualifier |       |   |       |             | RPD | Limit |
| 1,4-Dioxane      | ND            | F1               | 0.320       | 45.09   | E F1      | mg/Kg | ✱ | 14079 | 50 - 150    | 2   | 50    |
| Isotope Dilution |               | MSD MSD          |             | Limits  |           |       |   |       |             |     |       |
| 1,4-Dioxane-d8   | 0.4           | *5-              | 10 - 150    |         |           |       |   |       |             |     |       |

## Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 705-90551/1-A  
Matrix: Solid  
Analysis Batch: 90684

Client Sample ID: Method Blank  
Prep Type: Soluble

| Analyte      | MB MB  |           | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|--------------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
|              | Result | Qualifier |      |       |       |   |          |                |         |
| Nitrate as N | ND     |           | 2.50 | 0.725 | mg/Kg |   |          | 10/24/25 11:17 | 1       |

Lab Sample ID: LCS 705-90551/2-A  
Matrix: Solid  
Analysis Batch: 90684

Client Sample ID: Lab Control Sample  
Prep Type: Soluble

| Analyte      | Spike Added | LCS LCS |           | Unit  | D | %Rec | %Rec Limits |
|--------------|-------------|---------|-----------|-------|---|------|-------------|
|              |             | Result  | Qualifier |       |   |      |             |
| Nitrate as N | 50.0        | 53.00   |           | mg/Kg |   | 106  | 90 - 110    |

# QC Sample Results

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

Job ID: 752-38206-1

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

Lab Sample ID: 752-38206-1 MS  
Matrix: Solid  
Analysis Batch: 90684

Client Sample ID: SED-1  
Prep Type: Soluble

| Analyte      | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Nitrate as N | 1.88          | J                | 63.1        | 64.36     |              | mg/Kg | ⊛ | 99   | 80 - 120    |

Lab Sample ID: 752-38206-1 MSD  
Matrix: Solid  
Analysis Batch: 90684

Client Sample ID: SED-1  
Prep Type: Soluble

| Analyte      | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Nitrate as N | 1.88          | J                | 63.1        | 68.18      |               | mg/Kg | ⊛ | 105  | 80 - 120    | 6   | 15        |

Lab Sample ID: MB 705-90551/1-A  
Matrix: Solid  
Analysis Batch: 90685

Client Sample ID: Method Blank  
Prep Type: Soluble

| Analyte | MB Result | MB Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|---------|-----------|--------------|------|------|-------|---|----------|----------------|---------|
| Sulfate | ND        |              | 10.0 | 9.81 | mg/Kg |   |          | 10/24/25 11:17 | 1       |

Lab Sample ID: LCS 705-90551/2-A  
Matrix: Solid  
Analysis Batch: 90685

Client Sample ID: Lab Control Sample  
Prep Type: Soluble

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------|-------------|------------|---------------|-------|---|------|-------------|
| Sulfate | 250         | 251.7      |               | mg/Kg |   | 101  | 90 - 110    |

Lab Sample ID: 752-38206-1 MS  
Matrix: Solid  
Analysis Batch: 90685

Client Sample ID: SED-1  
Prep Type: Soluble

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Sulfate | 28.8          |                  | 316         | 311.3     |              | mg/Kg | ⊛ | 90   | 80 - 120    |

Lab Sample ID: 752-38206-1 MSD  
Matrix: Solid  
Analysis Batch: 90685

Client Sample ID: SED-1  
Prep Type: Soluble

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Sulfate | 28.8          |                  | 316         | 329.9      |               | mg/Kg | ⊛ | 95   | 80 - 120    | 6   | 15        |

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

Lab Sample ID: MB 705-89601/1-A  
Matrix: Solid  
Analysis Batch: 90031

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 89601

| Analyte   | MB Result | MB Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|-----------|--------------|-------|--------|-------|---|----------------|----------------|---------|
| Antimony  | ND        |              | 1.00  | 0.229  | mg/Kg |   | 10/21/25 07:05 | 10/21/25 22:41 | 5       |
| Arsenic   | ND        |              | 0.600 | 0.0535 | mg/Kg |   | 10/21/25 07:05 | 10/21/25 22:41 | 5       |
| Barium    | ND        |              | 2.50  | 0.0142 | mg/Kg |   | 10/21/25 07:05 | 10/21/25 22:41 | 5       |
| Beryllium | ND        |              | 0.500 | 0.0351 | mg/Kg |   | 10/21/25 07:05 | 10/21/25 22:41 | 5       |
| Cadmium   | ND        |              | 0.500 | 0.0163 | mg/Kg |   | 10/21/25 07:05 | 10/21/25 22:41 | 5       |
| Chromium  | 0.3285    | J            | 1.00  | 0.206  | mg/Kg |   | 10/21/25 07:05 | 10/21/25 22:41 | 5       |

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# QC Sample Results

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

Job ID: 752-38206-1

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

**Lab Sample ID: MB 705-89601/1-A**  
**Matrix: Solid**  
**Analysis Batch: 90031**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 89601**

| Analyte   | MB      | MB        | RL    | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|---------|-----------|-------|---------|-------|---|----------------|----------------|---------|
|           | Result  | Qualifier |       |         |       |   |                |                |         |
| Cobalt    | ND      |           | 0.750 | 0.0283  | mg/Kg |   | 10/21/25 07:05 | 10/21/25 22:41 | 5       |
| Copper    | 0.08900 | J         | 0.500 | 0.0520  | mg/Kg |   | 10/21/25 07:05 | 10/21/25 22:41 | 5       |
| Lead      | ND      |           | 0.500 | 0.0590  | mg/Kg |   | 10/21/25 07:05 | 10/21/25 22:41 | 5       |
| Manganese | ND      |           | 1.00  | 0.0615  | mg/Kg |   | 10/21/25 07:05 | 10/21/25 22:41 | 5       |
| Nickel    | ND      |           | 1.00  | 0.0262  | mg/Kg |   | 10/21/25 07:05 | 10/21/25 22:41 | 5       |
| Selenium  | ND      |           | 2.50  | 0.178   | mg/Kg |   | 10/21/25 07:05 | 10/21/25 22:41 | 5       |
| Silver    | ND      |           | 0.250 | 0.00290 | mg/Kg |   | 10/21/25 07:05 | 10/21/25 22:41 | 5       |
| Thallium  | ND      |           | 0.700 | 0.0422  | mg/Kg |   | 10/21/25 07:05 | 10/21/25 22:41 | 5       |
| Vanadium  | 0.2328  | J         | 1.00  | 0.126   | mg/Kg |   | 10/21/25 07:05 | 10/21/25 22:41 | 5       |

**Lab Sample ID: MB 705-89601/1-A**  
**Matrix: Solid**  
**Analysis Batch: 90974**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 89601**

| Analyte | MB     | MB        | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
|         | Result | Qualifier |      |      |       |   |                |                |         |
| Zinc    | ND     |           | 2.50 | 2.08 | mg/Kg |   | 10/21/25 07:05 | 10/24/25 15:51 | 5       |

**Lab Sample ID: LCS 705-89601/2-A**  
**Matrix: Solid**  
**Analysis Batch: 90031**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 89601**

| Analyte   | Spike Added | LCS    | LCS       | Unit  | D | %Rec | %Rec Limits |
|-----------|-------------|--------|-----------|-------|---|------|-------------|
|           |             | Result | Qualifier |       |   |      |             |
| Antimony  | 10.0        | 10.03  |           | mg/Kg |   | 100  | 80 - 120    |
| Arsenic   | 10.0        | 9.159  |           | mg/Kg |   | 92   | 80 - 120    |
| Barium    | 10.0        | 9.391  |           | mg/Kg |   | 94   | 80 - 120    |
| Beryllium | 10.0        | 9.844  |           | mg/Kg |   | 98   | 80 - 120    |
| Cadmium   | 10.0        | 9.240  |           | mg/Kg |   | 92   | 80 - 120    |
| Chromium  | 10.0        | 11.55  |           | mg/Kg |   | 116  | 80 - 120    |
| Cobalt    | 10.0        | 9.231  |           | mg/Kg |   | 92   | 80 - 120    |
| Copper    | 10.0        | 9.521  |           | mg/Kg |   | 95   | 80 - 120    |
| Lead      | 10.0        | 10.88  |           | mg/Kg |   | 109  | 80 - 120    |
| Manganese | 10.0        | 11.37  |           | mg/Kg |   | 114  | 80 - 120    |
| Nickel    | 10.0        | 9.320  |           | mg/Kg |   | 93   | 80 - 120    |
| Selenium  | 10.0        | 8.806  |           | mg/Kg |   | 88   | 80 - 120    |
| Silver    | 1.00        | 1.040  |           | mg/Kg |   | 104  | 80 - 120    |
| Thallium  | 10.0        | 10.72  |           | mg/Kg |   | 107  | 80 - 120    |
| Vanadium  | 10.0        | 11.50  |           | mg/Kg |   | 115  | 80 - 120    |
| Zinc      | 10.0        | 9.886  |           | mg/Kg |   | 99   | 80 - 120    |

**Lab Sample ID: 752-38206-3 MS**  
**Matrix: Solid**  
**Analysis Batch: 90031**

**Client Sample ID: SED-3**  
**Prep Type: Total/NA**  
**Prep Batch: 89601**

| Analyte   | Sample | Sample    | Spike Added | MS     | MS        | Unit  | D | %Rec | %Rec Limits |
|-----------|--------|-----------|-------------|--------|-----------|-------|---|------|-------------|
|           | Result | Qualifier |             | Result | Qualifier |       |   |      |             |
| Antimony  | ND     | F1        | 7.91        | 5.725  | F1        | mg/Kg | ☼ | 72   | 75 - 125    |
| Arsenic   | 0.607  |           | 7.91        | 7.983  |           | mg/Kg | ☼ | 93   | 75 - 125    |
| Barium    | 13.0   | F2 F1     | 7.91        | 28.02  | F1        | mg/Kg | ☼ | 190  | 75 - 125    |
| Beryllium | 0.0726 | J         | 7.91        | 7.743  |           | mg/Kg | ☼ | 97   | 75 - 125    |
| Cadmium   | 0.0742 | J         | 7.91        | 7.575  |           | mg/Kg | ☼ | 95   | 75 - 125    |

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# QC Sample Results

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

Job ID: 752-38206-1

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

**Lab Sample ID: 752-38206-3 MS**  
**Matrix: Solid**  
**Analysis Batch: 90031**

**Client Sample ID: SED-3**  
**Prep Type: Total/NA**  
**Prep Batch: 89601**

| Analyte   | Sample | Sample    | Spike | MS     |           | Unit  | D | %Rec | %Rec     | Limits |
|-----------|--------|-----------|-------|--------|-----------|-------|---|------|----------|--------|
|           | Result | Qualifier |       | Result | Qualifier |       |   |      |          |        |
| Chromium  | 7.23   | F1        | 7.91  | 14.72  |           | mg/Kg | ⊛ | 95   | 75 - 125 |        |
| Cobalt    | 1.62   |           | 7.91  | 9.236  |           | mg/Kg | ⊛ | 96   | 75 - 125 |        |
| Copper    | 12.2   | F1        | 7.91  | 16.60  | F1        | mg/Kg | ⊛ | 56   | 75 - 125 |        |
| Lead      | 14.9   |           | 7.91  | 23.28  |           | mg/Kg | ⊛ | 106  | 75 - 125 |        |
| Manganese | 74.6   |           | 7.91  | 95.61  | 4         | mg/Kg | ⊛ | 265  | 75 - 125 |        |
| Nickel    | 7.42   | F1        | 7.91  | 14.85  |           | mg/Kg | ⊛ | 94   | 75 - 125 |        |
| Selenium  | ND     |           | 7.91  | 7.363  |           | mg/Kg | ⊛ | 93   | 75 - 125 |        |
| Silver    | 0.0267 | J         | 0.791 | 0.9690 |           | mg/Kg | ⊛ | 119  | 75 - 125 |        |
| Thallium  | ND     |           | 7.91  | 8.591  |           | mg/Kg | ⊛ | 109  | 75 - 125 |        |
| Vanadium  | 9.00   | F1        | 7.91  | 19.10  | F1        | mg/Kg | ⊛ | 128  | 75 - 125 |        |
| Zinc      | 36.9   |           | 7.91  | 50.84  | 4         | mg/Kg | ⊛ | 176  | 75 - 125 |        |

**Lab Sample ID: 752-38206-3 MSD**  
**Matrix: Solid**  
**Analysis Batch: 90031**

**Client Sample ID: SED-3**  
**Prep Type: Total/NA**  
**Prep Batch: 89601**

| Analyte   | Sample | Sample    | Spike | MSD    |           | Unit  | D | %Rec | %Rec     | Limits | RPD | RPD   |
|-----------|--------|-----------|-------|--------|-----------|-------|---|------|----------|--------|-----|-------|
|           | Result | Qualifier |       | Result | Qualifier |       |   |      |          |        | RPD | Limit |
| Antimony  | ND     | F1        | 7.91  | 5.362  | F1        | mg/Kg | ⊛ | 68   | 75 - 125 | 7      | 20  |       |
| Arsenic   | 0.607  |           | 7.91  | 7.614  |           | mg/Kg | ⊛ | 89   | 75 - 125 | 5      | 20  |       |
| Barium    | 13.0   | F2 F1     | 7.91  | 21.81  | F2        | mg/Kg | ⊛ | 112  | 75 - 125 | 25     | 20  |       |
| Beryllium | 0.0726 | J         | 7.91  | 7.350  |           | mg/Kg | ⊛ | 92   | 75 - 125 | 5      | 20  |       |
| Cadmium   | 0.0742 | J         | 7.91  | 7.253  |           | mg/Kg | ⊛ | 91   | 75 - 125 | 4      | 20  |       |
| Chromium  | 7.23   | F1        | 7.91  | 12.37  | F1        | mg/Kg | ⊛ | 65   | 75 - 125 | 17     | 20  |       |
| Cobalt    | 1.62   |           | 7.91  | 8.897  |           | mg/Kg | ⊛ | 92   | 75 - 125 | 4      | 20  |       |
| Copper    | 12.2   | F1        | 7.91  | 14.63  | F1        | mg/Kg | ⊛ | 31   | 75 - 125 | 13     | 20  |       |
| Lead      | 14.9   |           | 7.91  | 20.88  |           | mg/Kg | ⊛ | 75   | 75 - 125 | 11     | 20  |       |
| Manganese | 74.6   |           | 7.91  | 81.90  | 4         | mg/Kg | ⊛ | 92   | 75 - 125 | 15     | 20  |       |
| Nickel    | 7.42   | F1        | 7.91  | 12.50  | F1        | mg/Kg | ⊛ | 64   | 75 - 125 | 17     | 20  |       |
| Selenium  | ND     |           | 7.91  | 6.943  |           | mg/Kg | ⊛ | 88   | 75 - 125 | 6      | 20  |       |
| Silver    | 0.0267 | J         | 0.791 | 0.9005 |           | mg/Kg | ⊛ | 110  | 75 - 125 | 7      | 20  |       |
| Thallium  | ND     |           | 7.91  | 8.264  |           | mg/Kg | ⊛ | 104  | 75 - 125 | 4      | 20  |       |
| Vanadium  | 9.00   | F1        | 7.91  | 16.76  |           | mg/Kg | ⊛ | 98   | 75 - 125 | 13     | 20  |       |
| Zinc      | 36.9   |           | 7.91  | 42.77  | 4         | mg/Kg | ⊛ | 74   | 75 - 125 | 17     | 20  |       |

## Method: 7471B - Mercury (CVAA)

**Lab Sample ID: MB 705-91028/1-A**  
**Matrix: Solid**  
**Analysis Batch: 91193**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 91028**

| Analyte | MB     | MB        | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil | Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|-----|-----|
|         | Result | Qualifier |       |        |       |   |                |                |     |     |
| Mercury | ND     |           | 0.100 | 0.0146 | mg/Kg |   | 10/27/25 11:20 | 10/28/25 08:18 |     | 1   |

**Lab Sample ID: LCS 705-91028/2-A**  
**Matrix: Solid**  
**Analysis Batch: 91193**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 91028**

| Analyte | Spike | LCS    |           | Unit  | D | %Rec | %Rec     | Limits |
|---------|-------|--------|-----------|-------|---|------|----------|--------|
|         |       | Result | Qualifier |       |   |      |          |        |
| Mercury | 0.400 | 0.3963 |           | mg/Kg |   | 99   | 80 - 120 |        |

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# QC Sample Results

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

Job ID: 752-38206-1

## Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MRL 400-727937/18  
Matrix: Solid  
Analysis Batch: 727937

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

| Analyte        | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|----------------|-------------|------------|---------------|------|---|------|-------------|
| Ammonia (as N) | 0.0498      | 0.05300    |               | mg/L |   | 106  | 50 - 150    |

Lab Sample ID: MB 400-727731/1-A  
Matrix: Solid  
Analysis Batch: 727937

Client Sample ID: Method Blank  
Prep Type: Soluble

| Analyte        | MB Result | MB Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------------|-----------|--------------|------|-------|-------|---|----------|----------------|---------|
| Ammonia (as N) | ND        |              | 1.00 | 0.320 | mg/Kg |   |          | 10/23/25 11:16 | 1       |

Lab Sample ID: LCS 400-727731/2-A  
Matrix: Solid  
Analysis Batch: 727937

Client Sample ID: Lab Control Sample  
Prep Type: Soluble

| Analyte        | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------------|-------------|------------|---------------|-------|---|------|-------------|
| Ammonia (as N) | 59.8        | 56.08      |               | mg/Kg |   | 94   | 90 - 110    |

## Method: 7199 - Chromium, Hexavalent (IC)

Lab Sample ID: MB 400-727500/1-A  
Matrix: Solid  
Analysis Batch: 727971

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 727500

| Analyte | MB Result | MB Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|-----------|--------------|------|-------|-------|---|----------------|----------------|---------|
| Cr (VI) | ND        |              | 1.00 | 0.100 | mg/Kg |   | 10/21/25 08:58 | 10/23/25 22:02 | 1       |

Lab Sample ID: LCS 400-727500/2-A  
Matrix: Solid  
Analysis Batch: 727971

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 727500

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------|-------------|------------|---------------|-------|---|------|-------------|
| Cr (VI) | 2.00        | 1.804      |               | mg/Kg |   | 90   | 85 - 115    |

Lab Sample ID: 752-38206-1 MS  
Matrix: Solid  
Analysis Batch: 727971

Client Sample ID: SED-1  
Prep Type: Total/NA  
Prep Batch: 727500

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Cr (VI) | ND            | F2               | 440         | 440.4     |              | mg/Kg | ⊛ | 100  | 75 - 125    |

Lab Sample ID: 752-38206-1 MSD  
Matrix: Solid  
Analysis Batch: 727971

Client Sample ID: SED-1  
Prep Type: Total/NA  
Prep Batch: 727500

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Cr (VI) | ND            | F2               | 440         | 542.9      | F2            | mg/Kg | ⊛ | 123  | 75 - 125    | 21  | 15        |

# QC Sample Results

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

Job ID: 752-38206-1

## Method: 7199 - Chromium, Hexavalent (IC) (Continued)

**Lab Sample ID: 752-38206-2 MS**  
**Matrix: Solid**  
**Analysis Batch: 727971**

**Client Sample ID: SED-2**  
**Prep Type: Total/NA**  
**Prep Batch: 727500**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Cr (VI) | ND            |                  | 2.41        | 1.956     |              | mg/Kg | ✱ | 81   | 75 - 125    |

**Lab Sample ID: 752-38206-2 MSD**  
**Matrix: Solid**  
**Analysis Batch: 727971**

**Client Sample ID: SED-2**  
**Prep Type: Total/NA**  
**Prep Batch: 727500**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Cr (VI) | ND            |                  | 2.43        | 2.020      |               | mg/Kg | ✱ | 83   | 75 - 125    | 3   | 15        |



# QC Association Summary

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

Job ID: 752-38206-1

## GC/MS VOA

### Analysis Batch: 727708

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 752-38206-1         | SED-1                  | Total/NA  | Solid  | 8260D  | 727744     |
| 752-38206-2         | SED-2                  | Total/NA  | Solid  | 8260D  | 727744     |
| 752-38206-3         | SED-3                  | Total/NA  | Solid  | 8260D  | 727744     |
| 752-38206-4         | SED-4                  | Total/NA  | Solid  | 8260D  | 727744     |
| 752-38206-5         | SED-5                  | Total/NA  | Solid  | 8260D  | 727744     |
| 752-38206-6         | SED-6                  | Total/NA  | Solid  | 8260D  | 727744     |
| 752-38206-7         | SED-7                  | Total/NA  | Solid  | 8260D  | 727744     |
| 752-38206-8         | 101625-Dup-SED         | Total/NA  | Solid  | 8260D  | 727744     |
| MB 400-727744/1-A   | Method Blank           | Total/NA  | Solid  | 8260D  | 727744     |
| LCS 400-727744/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8260D  | 727744     |
| LCSD 400-727744/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8260D  | 727744     |

### Prep Batch: 727744

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 752-38206-1         | SED-1                  | Total/NA  | Solid  | 5035   |            |
| 752-38206-2         | SED-2                  | Total/NA  | Solid  | 5035   |            |
| 752-38206-3         | SED-3                  | Total/NA  | Solid  | 5035   |            |
| 752-38206-4         | SED-4                  | Total/NA  | Solid  | 5035   |            |
| 752-38206-5         | SED-5                  | Total/NA  | Solid  | 5035   |            |
| 752-38206-6         | SED-6                  | Total/NA  | Solid  | 5035   |            |
| 752-38206-7         | SED-7                  | Total/NA  | Solid  | 5035   |            |
| 752-38206-8         | 101625-Dup-SED         | Total/NA  | Solid  | 5035   |            |
| MB 400-727744/1-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 400-727744/2-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 400-727744/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |

### Analysis Batch: 728000

| Lab Sample ID       | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|---------------------|--------------------|-----------|--------|--------|------------|
| 752-38206-9         | Trip Blank         | Total/NA  | Water  | 8260D  |            |
| MB 400-728000/5     | Method Blank       | Total/NA  | Water  | 8260D  |            |
| LCS 400-728000/1002 | Lab Control Sample | Total/NA  | Water  | 8260D  |            |

## GC/MS Semi VOA

### Prep Batch: 727430

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 752-38206-1        | SED-1              | Total/NA  | Solid  | 3546   |            |
| 752-38206-2        | SED-2              | Total/NA  | Solid  | 3546   |            |
| 752-38206-3        | SED-3              | Total/NA  | Solid  | 3546   |            |
| 752-38206-4        | SED-4              | Total/NA  | Solid  | 3546   |            |
| 752-38206-5        | SED-5              | Total/NA  | Solid  | 3546   |            |
| 752-38206-6        | SED-6              | Total/NA  | Solid  | 3546   |            |
| 752-38206-7        | SED-7              | Total/NA  | Solid  | 3546   |            |
| 752-38206-8        | 101625-Dup-SED     | Total/NA  | Solid  | 3546   |            |
| MB 400-727430/1-A  | Method Blank       | Total/NA  | Solid  | 3546   |            |
| LCS 400-727430/2-A | Lab Control Sample | Total/NA  | Solid  | 3546   |            |
| 752-38206-1 MS     | SED-1              | Total/NA  | Solid  | 3546   |            |
| 752-38206-1 MSD    | SED-1              | Total/NA  | Solid  | 3546   |            |

# QC Association Summary

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

Job ID: 752-38206-1

## GC/MS Semi VOA

### Prep Batch: 727437

| Lab Sample ID   | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|------------------|-----------|--------|--------|------------|
| 752-38206-1     | SED-1            | Total/NA  | Solid  | 3546   |            |
| 752-38206-2     | SED-2            | Total/NA  | Solid  | 3546   |            |
| 752-38206-3     | SED-3            | Total/NA  | Solid  | 3546   |            |
| 752-38206-4     | SED-4            | Total/NA  | Solid  | 3546   |            |
| 752-38206-5     | SED-5            | Total/NA  | Solid  | 3546   |            |
| 752-38206-6     | SED-6            | Total/NA  | Solid  | 3546   |            |
| 752-38206-7     | SED-7            | Total/NA  | Solid  | 3546   |            |
| 752-38206-8     | 101625-Dup-SED   | Total/NA  | Solid  | 3546   |            |
| 752-38206-1 MS  | SED-1            | Total/NA  | Solid  | 3546   |            |
| 752-38206-1 MSD | SED-1            | Total/NA  | Solid  | 3546   |            |

### Analysis Batch: 727713

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method       | Prep Batch |
|---------------|------------------|-----------|--------|--------------|------------|
| 752-38206-1   | SED-1            | Total/NA  | Solid  | 8270E SIM ID | 727437     |
| 752-38206-2   | SED-2            | Total/NA  | Solid  | 8270E SIM ID | 727437     |
| 752-38206-3   | SED-3            | Total/NA  | Solid  | 8270E SIM ID | 727437     |
| 752-38206-4   | SED-4            | Total/NA  | Solid  | 8270E SIM ID | 727437     |
| 752-38206-5   | SED-5            | Total/NA  | Solid  | 8270E SIM ID | 727437     |
| 752-38206-6   | SED-6            | Total/NA  | Solid  | 8270E SIM ID | 727437     |
| 752-38206-7   | SED-7            | Total/NA  | Solid  | 8270E SIM ID | 727437     |
| 752-38206-8   | 101625-Dup-SED   | Total/NA  | Solid  | 8270E SIM ID | 727437     |

### Analysis Batch: 727862

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 752-38206-1        | SED-1              | Total/NA  | Solid  | 8270E  | 727430     |
| 752-38206-2        | SED-2              | Total/NA  | Solid  | 8270E  | 727430     |
| 752-38206-3        | SED-3              | Total/NA  | Solid  | 8270E  | 727430     |
| 752-38206-4        | SED-4              | Total/NA  | Solid  | 8270E  | 727430     |
| 752-38206-5        | SED-5              | Total/NA  | Solid  | 8270E  | 727430     |
| 752-38206-6        | SED-6              | Total/NA  | Solid  | 8270E  | 727430     |
| 752-38206-7        | SED-7              | Total/NA  | Solid  | 8270E  | 727430     |
| 752-38206-8        | 101625-Dup-SED     | Total/NA  | Solid  | 8270E  | 727430     |
| MB 400-727430/1-A  | Method Blank       | Total/NA  | Solid  | 8270E  | 727430     |
| LCS 400-727430/2-A | Lab Control Sample | Total/NA  | Solid  | 8270E  | 727430     |
| 752-38206-1 MS     | SED-1              | Total/NA  | Solid  | 8270E  | 727430     |
| 752-38206-1 MSD    | SED-1              | Total/NA  | Solid  | 8270E  | 727430     |

### Analysis Batch: 727866

| Lab Sample ID   | Client Sample ID | Prep Type | Matrix | Method       | Prep Batch |
|-----------------|------------------|-----------|--------|--------------|------------|
| 752-38206-1 MS  | SED-1            | Total/NA  | Solid  | 8270E SIM ID | 727437     |
| 752-38206-1 MSD | SED-1            | Total/NA  | Solid  | 8270E SIM ID | 727437     |

## HPLC/IC

### Leach Batch: 90551

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 752-38206-1   | SED-1            | Soluble   | Solid  | DI Leach |            |
| 752-38206-2   | SED-2            | Soluble   | Solid  | DI Leach |            |
| 752-38206-3   | SED-3            | Soluble   | Solid  | DI Leach |            |
| 752-38206-4   | SED-4            | Soluble   | Solid  | DI Leach |            |
| 752-38206-5   | SED-5            | Soluble   | Solid  | DI Leach |            |

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# QC Association Summary

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

Job ID: 752-38206-1

## HPLC/IC (Continued)

### Leach Batch: 90551 (Continued)

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|--------------------|-----------|--------|----------|------------|
| 752-38206-6       | SED-6              | Soluble   | Solid  | DI Leach |            |
| 752-38206-7       | SED-7              | Soluble   | Solid  | DI Leach |            |
| 752-38206-8       | 101625-Dup-SED     | Soluble   | Solid  | DI Leach |            |
| MB 705-90551/1-A  | Method Blank       | Soluble   | Solid  | DI Leach |            |
| LCS 705-90551/2-A | Lab Control Sample | Soluble   | Solid  | DI Leach |            |
| 752-38206-1 MS    | SED-1              | Soluble   | Solid  | DI Leach |            |
| 752-38206-1 MSD   | SED-1              | Soluble   | Solid  | DI Leach |            |

### Analysis Batch: 90684

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 752-38206-1       | SED-1              | Soluble   | Solid  | 9056A  | 90551      |
| 752-38206-2       | SED-2              | Soluble   | Solid  | 9056A  | 90551      |
| 752-38206-3       | SED-3              | Soluble   | Solid  | 9056A  | 90551      |
| 752-38206-4       | SED-4              | Soluble   | Solid  | 9056A  | 90551      |
| 752-38206-5       | SED-5              | Soluble   | Solid  | 9056A  | 90551      |
| 752-38206-6       | SED-6              | Soluble   | Solid  | 9056A  | 90551      |
| 752-38206-7       | SED-7              | Soluble   | Solid  | 9056A  | 90551      |
| 752-38206-8       | 101625-Dup-SED     | Soluble   | Solid  | 9056A  | 90551      |
| MB 705-90551/1-A  | Method Blank       | Soluble   | Solid  | 9056A  | 90551      |
| LCS 705-90551/2-A | Lab Control Sample | Soluble   | Solid  | 9056A  | 90551      |
| 752-38206-1 MS    | SED-1              | Soluble   | Solid  | 9056A  | 90551      |
| 752-38206-1 MSD   | SED-1              | Soluble   | Solid  | 9056A  | 90551      |

### Analysis Batch: 90685

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 752-38206-1       | SED-1              | Soluble   | Solid  | 9056A  | 90551      |
| 752-38206-2       | SED-2              | Soluble   | Solid  | 9056A  | 90551      |
| 752-38206-3       | SED-3              | Soluble   | Solid  | 9056A  | 90551      |
| 752-38206-4       | SED-4              | Soluble   | Solid  | 9056A  | 90551      |
| 752-38206-5       | SED-5              | Soluble   | Solid  | 9056A  | 90551      |
| 752-38206-6       | SED-6              | Soluble   | Solid  | 9056A  | 90551      |
| 752-38206-7       | SED-7              | Soluble   | Solid  | 9056A  | 90551      |
| 752-38206-8       | 101625-Dup-SED     | Soluble   | Solid  | 9056A  | 90551      |
| MB 705-90551/1-A  | Method Blank       | Soluble   | Solid  | 9056A  | 90551      |
| LCS 705-90551/2-A | Lab Control Sample | Soluble   | Solid  | 9056A  | 90551      |
| 752-38206-1 MS    | SED-1              | Soluble   | Solid  | 9056A  | 90551      |
| 752-38206-1 MSD   | SED-1              | Soluble   | Solid  | 9056A  | 90551      |

## Metals

### Prep Batch: 89601

| Lab Sample ID    | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| 752-38206-1      | SED-1            | Total/NA  | Solid  | 3050B  |            |
| 752-38206-2      | SED-2            | Total/NA  | Solid  | 3050B  |            |
| 752-38206-3      | SED-3            | Total/NA  | Solid  | 3050B  |            |
| 752-38206-4      | SED-4            | Total/NA  | Solid  | 3050B  |            |
| 752-38206-5      | SED-5            | Total/NA  | Solid  | 3050B  |            |
| 752-38206-6      | SED-6            | Total/NA  | Solid  | 3050B  |            |
| 752-38206-7      | SED-7            | Total/NA  | Solid  | 3050B  |            |
| 752-38206-8      | 101625-Dup-SED   | Total/NA  | Solid  | 3050B  |            |
| MB 705-89601/1-A | Method Blank     | Total/NA  | Solid  | 3050B  |            |

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# QC Association Summary

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

Job ID: 752-38206-1

## Metals (Continued)

### Prep Batch: 89601 (Continued)

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| LCS 705-89601/2-A | Lab Control Sample | Total/NA  | Solid  | 3050B  |            |
| 752-38206-3 MS    | SED-3              | Total/NA  | Solid  | 3050B  |            |
| 752-38206-3 MSD   | SED-3              | Total/NA  | Solid  | 3050B  |            |

### Analysis Batch: 90031

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 752-38206-1       | SED-1              | Total/NA  | Solid  | 6020B  | 89601      |
| 752-38206-2       | SED-2              | Total/NA  | Solid  | 6020B  | 89601      |
| 752-38206-3       | SED-3              | Total/NA  | Solid  | 6020B  | 89601      |
| 752-38206-4       | SED-4              | Total/NA  | Solid  | 6020B  | 89601      |
| 752-38206-5       | SED-5              | Total/NA  | Solid  | 6020B  | 89601      |
| 752-38206-6       | SED-6              | Total/NA  | Solid  | 6020B  | 89601      |
| 752-38206-7       | SED-7              | Total/NA  | Solid  | 6020B  | 89601      |
| 752-38206-8       | 101625-Dup-SED     | Total/NA  | Solid  | 6020B  | 89601      |
| MB 705-89601/1-A  | Method Blank       | Total/NA  | Solid  | 6020B  | 89601      |
| LCS 705-89601/2-A | Lab Control Sample | Total/NA  | Solid  | 6020B  | 89601      |
| 752-38206-3 MS    | SED-3              | Total/NA  | Solid  | 6020B  | 89601      |
| 752-38206-3 MSD   | SED-3              | Total/NA  | Solid  | 6020B  | 89601      |

### Analysis Batch: 90974

| Lab Sample ID    | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| MB 705-89601/1-A | Method Blank     | Total/NA  | Solid  | 6020B  | 89601      |

### Prep Batch: 91028

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 752-38206-1       | SED-1              | Total/NA  | Solid  | 7471B  |            |
| 752-38206-2       | SED-2              | Total/NA  | Solid  | 7471B  |            |
| 752-38206-3       | SED-3              | Total/NA  | Solid  | 7471B  |            |
| 752-38206-4       | SED-4              | Total/NA  | Solid  | 7471B  |            |
| 752-38206-5       | SED-5              | Total/NA  | Solid  | 7471B  |            |
| 752-38206-6       | SED-6              | Total/NA  | Solid  | 7471B  |            |
| 752-38206-7       | SED-7              | Total/NA  | Solid  | 7471B  |            |
| 752-38206-8       | 101625-Dup-SED     | Total/NA  | Solid  | 7471B  |            |
| MB 705-91028/1-A  | Method Blank       | Total/NA  | Solid  | 7471B  |            |
| LCS 705-91028/2-A | Lab Control Sample | Total/NA  | Solid  | 7471B  |            |

### Analysis Batch: 91193

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 752-38206-1       | SED-1              | Total/NA  | Solid  | 7471B  | 91028      |
| 752-38206-2       | SED-2              | Total/NA  | Solid  | 7471B  | 91028      |
| 752-38206-3       | SED-3              | Total/NA  | Solid  | 7471B  | 91028      |
| 752-38206-4       | SED-4              | Total/NA  | Solid  | 7471B  | 91028      |
| 752-38206-5       | SED-5              | Total/NA  | Solid  | 7471B  | 91028      |
| 752-38206-6       | SED-6              | Total/NA  | Solid  | 7471B  | 91028      |
| 752-38206-7       | SED-7              | Total/NA  | Solid  | 7471B  | 91028      |
| 752-38206-8       | 101625-Dup-SED     | Total/NA  | Solid  | 7471B  | 91028      |
| MB 705-91028/1-A  | Method Blank       | Total/NA  | Solid  | 7471B  | 91028      |
| LCS 705-91028/2-A | Lab Control Sample | Total/NA  | Solid  | 7471B  | 91028      |

# QC Association Summary

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

Job ID: 752-38206-1

## General Chemistry

### Prep Batch: 727500

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 752-38206-1        | SED-1              | Total/NA  | Solid  | 3060A  |            |
| 752-38206-2        | SED-2              | Total/NA  | Solid  | 3060A  |            |
| 752-38206-3        | SED-3              | Total/NA  | Solid  | 3060A  |            |
| 752-38206-4        | SED-4              | Total/NA  | Solid  | 3060A  |            |
| 752-38206-5        | SED-5              | Total/NA  | Solid  | 3060A  |            |
| 752-38206-6        | SED-6              | Total/NA  | Solid  | 3060A  |            |
| 752-38206-7        | SED-7              | Total/NA  | Solid  | 3060A  |            |
| 752-38206-8        | 101625-Dup-SED     | Total/NA  | Solid  | 3060A  |            |
| MB 400-727500/1-A  | Method Blank       | Total/NA  | Solid  | 3060A  |            |
| LCS 400-727500/2-A | Lab Control Sample | Total/NA  | Solid  | 3060A  |            |
| 752-38206-1 MS     | SED-1              | Total/NA  | Solid  | 3060A  |            |
| 752-38206-1 MSD    | SED-1              | Total/NA  | Solid  | 3060A  |            |
| 752-38206-2 MS     | SED-2              | Total/NA  | Solid  | 3060A  |            |
| 752-38206-2 MSD    | SED-2              | Total/NA  | Solid  | 3060A  |            |

### Leach Batch: 727731

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|--------------------|-----------|--------|----------|------------|
| 752-38206-1        | SED-1              | Soluble   | Solid  | DI Leach |            |
| 752-38206-2        | SED-2              | Soluble   | Solid  | DI Leach |            |
| 752-38206-3        | SED-3              | Soluble   | Solid  | DI Leach |            |
| 752-38206-4        | SED-4              | Soluble   | Solid  | DI Leach |            |
| 752-38206-5        | SED-5              | Soluble   | Solid  | DI Leach |            |
| 752-38206-6        | SED-6              | Soluble   | Solid  | DI Leach |            |
| 752-38206-7        | SED-7              | Soluble   | Solid  | DI Leach |            |
| 752-38206-8        | 101625-Dup-SED     | Soluble   | Solid  | DI Leach |            |
| MB 400-727731/1-A  | Method Blank       | Soluble   | Solid  | DI Leach |            |
| LCS 400-727731/2-A | Lab Control Sample | Soluble   | Solid  | DI Leach |            |

### Analysis Batch: 727881

| Lab Sample ID  | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|----------------|------------------|-----------|--------|----------|------------|
| 752-38206-1    | SED-1            | Total/NA  | Solid  | Moisture |            |
| 752-38206-2    | SED-2            | Total/NA  | Solid  | Moisture |            |
| 752-38206-3    | SED-3            | Total/NA  | Solid  | Moisture |            |
| 752-38206-4    | SED-4            | Total/NA  | Solid  | Moisture |            |
| 752-38206-5    | SED-5            | Total/NA  | Solid  | Moisture |            |
| 752-38206-6    | SED-6            | Total/NA  | Solid  | Moisture |            |
| 752-38206-7    | SED-7            | Total/NA  | Solid  | Moisture |            |
| 752-38206-8    | 101625-Dup-SED   | Total/NA  | Solid  | Moisture |            |
| 752-38206-3 DU | SED-3            | Total/NA  | Solid  | Moisture |            |

### Analysis Batch: 727937

| Lab Sample ID     | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------|-----------|--------|--------|------------|
| 752-38206-1       | SED-1            | Soluble   | Solid  | 350.1  | 727731     |
| 752-38206-2       | SED-2            | Soluble   | Solid  | 350.1  | 727731     |
| 752-38206-3       | SED-3            | Soluble   | Solid  | 350.1  | 727731     |
| 752-38206-4       | SED-4            | Soluble   | Solid  | 350.1  | 727731     |
| 752-38206-5       | SED-5            | Soluble   | Solid  | 350.1  | 727731     |
| 752-38206-6       | SED-6            | Soluble   | Solid  | 350.1  | 727731     |
| 752-38206-7       | SED-7            | Soluble   | Solid  | 350.1  | 727731     |
| 752-38206-8       | 101625-Dup-SED   | Soluble   | Solid  | 350.1  | 727731     |
| MB 400-727731/1-A | Method Blank     | Soluble   | Solid  | 350.1  | 727731     |

Eurofins Raleigh

# QC Association Summary

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

Job ID: 752-38206-1

## General Chemistry (Continued)

### Analysis Batch: 727937 (Continued)

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| LCS 400-727731/2-A | Lab Control Sample | Soluble   | Solid  | 350.1  | 727731     |
| MRL 400-727937/18  | Lab Control Sample | Total/NA  | Solid  | 350.1  |            |

### Analysis Batch: 727971

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 752-38206-1        | SED-1              | Total/NA  | Solid  | 7199   | 727500     |
| 752-38206-2        | SED-2              | Total/NA  | Solid  | 7199   | 727500     |
| 752-38206-3        | SED-3              | Total/NA  | Solid  | 7199   | 727500     |
| 752-38206-4        | SED-4              | Total/NA  | Solid  | 7199   | 727500     |
| 752-38206-5        | SED-5              | Total/NA  | Solid  | 7199   | 727500     |
| 752-38206-6        | SED-6              | Total/NA  | Solid  | 7199   | 727500     |
| 752-38206-7        | SED-7              | Total/NA  | Solid  | 7199   | 727500     |
| 752-38206-8        | 101625-Dup-SED     | Total/NA  | Solid  | 7199   | 727500     |
| MB 400-727500/1-A  | Method Blank       | Total/NA  | Solid  | 7199   | 727500     |
| LCS 400-727500/2-A | Lab Control Sample | Total/NA  | Solid  | 7199   | 727500     |
| 752-38206-1 MS     | SED-1              | Total/NA  | Solid  | 7199   | 727500     |
| 752-38206-1 MSD    | SED-1              | Total/NA  | Solid  | 7199   | 727500     |
| 752-38206-2 MS     | SED-2              | Total/NA  | Solid  | 7199   | 727500     |
| 752-38206-2 MSD    | SED-2              | Total/NA  | Solid  | 7199   | 727500     |



# Lab Chronicle

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

Job ID: 752-38206-1

**Client Sample ID: SED-1**

**Lab Sample ID: 752-38206-1**

Date Collected: 10/16/25 09:50

Matrix: Solid

Date Received: 10/16/25 15:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Batch Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------------|---------|----------------------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 727881       | TMP           | EET PEN | 10/23/25 11:28       |

**Client Sample ID: SED-1**

**Lab Sample ID: 752-38206-1**

Date Collected: 10/16/25 09:50

Matrix: Solid

Date Received: 10/16/25 15:00

Percent Solids: 79.2

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Batch Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------------|---------|----------------------|
| Total/NA  | Prep       | 5035         |     |                 | 727744       | CAR           | EET PEN | 10/22/25 15:18       |
| Total/NA  | Analysis   | 8260D        |     | 1               | 727708       | CAR           | EET PEN | 10/22/25 21:59       |
| Total/NA  | Prep       | 3546         |     |                 | 727430       | EJW           | EET PEN | 10/20/25 12:54       |
| Total/NA  | Analysis   | 8270E        |     | 1               | 727862       | S1B           | EET PEN | 10/23/25 15:57       |
| Total/NA  | Prep       | 3546         |     |                 | 727437       | AP            | EET PEN | 10/20/25 13:25       |
| Total/NA  | Analysis   | 8270E SIM ID |     | 2               | 727713       | VC1           | EET PEN | 10/22/25 15:51       |
| Soluble   | Leach      | DI Leach     |     |                 | 90551        | MS            | EET ATL | 10/23/25 18:55       |
| Soluble   | Analysis   | 9056A        |     | 1               | 90684        | MS            | EET ATL | 10/24/25 11:51       |
| Soluble   | Leach      | DI Leach     |     |                 | 90551        | MS            | EET ATL | 10/23/25 18:55       |
| Soluble   | Analysis   | 9056A        |     | 1               | 90685        | MS            | EET ATL | 10/24/25 11:51       |
| Total/NA  | Prep       | 3050B        |     |                 | 89601        | BR            | EET ATL | 10/21/25 07:05       |
| Total/NA  | Analysis   | 6020B        |     | 5               | 90031        | IF            | EET ATL | 10/21/25 23:08       |
| Total/NA  | Prep       | 7471B        |     |                 | 91028        | KB            | EET ATL | 10/27/25 11:20       |
| Total/NA  | Analysis   | 7471B        |     | 1               | 91193        | GR            | EET ATL | 10/28/25 08:41       |
| Soluble   | Leach      | DI Leach     |     |                 | 727731       | CAC           | EET PEN | 10/22/25 14:31       |
| Soluble   | Analysis   | 350.1        |     | 1               | 727937       | CAC           | EET PEN | 10/23/25 12:06       |
| Total/NA  | Prep       | 3060A        |     |                 | 727500       | AC            | EET PEN | 10/21/25 08:58       |
| Total/NA  | Analysis   | 7199         |     | 1               | 727971       | AR            | EET PEN | 10/23/25 22:27       |

**Client Sample ID: SED-2**

**Lab Sample ID: 752-38206-2**

Date Collected: 10/16/25 10:25

Matrix: Solid

Date Received: 10/16/25 15:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Batch Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------------|---------|----------------------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 727881       | TMP           | EET PEN | 10/23/25 11:28       |

**Client Sample ID: SED-2**

**Lab Sample ID: 752-38206-2**

Date Collected: 10/16/25 10:25

Matrix: Solid

Date Received: 10/16/25 15:00

Percent Solids: 75.3

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Batch Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------------|---------|----------------------|
| Total/NA  | Prep       | 5035         |     |                 | 727744       | CAR           | EET PEN | 10/22/25 15:18       |
| Total/NA  | Analysis   | 8260D        |     | 1               | 727708       | CAR           | EET PEN | 10/22/25 22:20       |
| Total/NA  | Prep       | 3546         |     |                 | 727430       | EJW           | EET PEN | 10/20/25 12:54       |
| Total/NA  | Analysis   | 8270E        |     | 1               | 727862       | S1B           | EET PEN | 10/23/25 16:27       |
| Total/NA  | Prep       | 3546         |     |                 | 727437       | AP            | EET PEN | 10/20/25 13:25       |
| Total/NA  | Analysis   | 8270E SIM ID |     | 2               | 727713       | VC1           | EET PEN | 10/22/25 16:12       |

# Lab Chronicle

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

Job ID: 752-38206-1

**Client Sample ID: SED-2**

**Lab Sample ID: 752-38206-2**

**Date Collected: 10/16/25 10:25**

**Matrix: Solid**

**Date Received: 10/16/25 15:00**

**Percent Solids: 75.3**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Batch Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------------|---------|----------------------|
| Soluble   | Leach      | DI Leach     |     |                 | 90551        | MS            | EET ATL | 10/23/25 18:55       |
| Soluble   | Analysis   | 9056A        |     | 1               | 90684        | MS            | EET ATL | 10/24/25 12:25       |
| Soluble   | Leach      | DI Leach     |     |                 | 90551        | MS            | EET ATL | 10/23/25 18:55       |
| Soluble   | Analysis   | 9056A        |     | 1               | 90685        | MS            | EET ATL | 10/24/25 12:25       |
| Total/NA  | Prep       | 3050B        |     |                 | 89601        | BR            | EET ATL | 10/21/25 07:05       |
| Total/NA  | Analysis   | 6020B        |     | 5               | 90031        | IF            | EET ATL | 10/21/25 23:10       |
| Total/NA  | Prep       | 7471B        |     |                 | 91028        | KB            | EET ATL | 10/27/25 11:20       |
| Total/NA  | Analysis   | 7471B        |     | 1               | 91193        | GR            | EET ATL | 10/28/25 08:45       |
| Soluble   | Leach      | DI Leach     |     |                 | 727731       | CAC           | EET PEN | 10/22/25 14:31       |
| Soluble   | Analysis   | 350.1        |     | 1               | 727937       | CAC           | EET PEN | 10/23/25 12:08       |
| Total/NA  | Prep       | 3060A        |     |                 | 727500       | AC            | EET PEN | 10/21/25 08:58       |
| Total/NA  | Analysis   | 7199         |     | 1               | 727971       | AR            | EET PEN | 10/23/25 23:05       |

**Client Sample ID: SED-3**

**Lab Sample ID: 752-38206-3**

**Date Collected: 10/16/25 10:50**

**Matrix: Solid**

**Date Received: 10/16/25 15:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Batch Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------------|---------|----------------------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 727881       | TMP           | EET PEN | 10/23/25 11:28       |

**Client Sample ID: SED-3**

**Lab Sample ID: 752-38206-3**

**Date Collected: 10/16/25 10:50**

**Matrix: Solid**

**Date Received: 10/16/25 15:00**

**Percent Solids: 81.3**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Batch Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------------|---------|----------------------|
| Total/NA  | Prep       | 5035         |     |                 | 727744       | CAR           | EET PEN | 10/22/25 15:18       |
| Total/NA  | Analysis   | 8260D        |     | 1               | 727708       | CAR           | EET PEN | 10/22/25 22:40       |
| Total/NA  | Prep       | 3546         |     |                 | 727430       | EJW           | EET PEN | 10/20/25 12:54       |
| Total/NA  | Analysis   | 8270E        |     | 1               | 727862       | S1B           | EET PEN | 10/23/25 16:57       |
| Total/NA  | Prep       | 3546         |     |                 | 727437       | AP            | EET PEN | 10/20/25 13:25       |
| Total/NA  | Analysis   | 8270E SIM ID |     | 1               | 727713       | VC1           | EET PEN | 10/22/25 16:34       |
| Soluble   | Leach      | DI Leach     |     |                 | 90551        | MS            | EET ATL | 10/23/25 18:55       |
| Soluble   | Analysis   | 9056A        |     | 1               | 90684        | MS            | EET ATL | 10/24/25 12:36       |
| Soluble   | Leach      | DI Leach     |     |                 | 90551        | MS            | EET ATL | 10/23/25 18:55       |
| Soluble   | Analysis   | 9056A        |     | 1               | 90685        | MS            | EET ATL | 10/24/25 12:36       |
| Total/NA  | Prep       | 3050B        |     |                 | 89601        | BR            | EET ATL | 10/21/25 07:05       |
| Total/NA  | Analysis   | 6020B        |     | 5               | 90031        | IF            | EET ATL | 10/21/25 22:46       |
| Total/NA  | Prep       | 7471B        |     |                 | 91028        | KB            | EET ATL | 10/27/25 11:20       |
| Total/NA  | Analysis   | 7471B        |     | 1               | 91193        | GR            | EET ATL | 10/28/25 08:48       |
| Soluble   | Leach      | DI Leach     |     |                 | 727731       | CAC           | EET PEN | 10/22/25 14:31       |
| Soluble   | Analysis   | 350.1        |     | 1               | 727937       | CAC           | EET PEN | 10/23/25 12:11       |
| Total/NA  | Prep       | 3060A        |     |                 | 727500       | AC            | EET PEN | 10/21/25 08:58       |
| Total/NA  | Analysis   | 7199         |     | 1               | 727971       | AR            | EET PEN | 10/23/25 23:43       |

# Lab Chronicle

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

Job ID: 752-38206-1

**Client Sample ID: SED-4**

**Lab Sample ID: 752-38206-4**

Date Collected: 10/16/25 11:35

Matrix: Solid

Date Received: 10/16/25 15:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Batch Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------------|---------|----------------------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 727881       | TMP           | EET PEN | 10/23/25 11:28       |

**Client Sample ID: SED-4**

**Lab Sample ID: 752-38206-4**

Date Collected: 10/16/25 11:35

Matrix: Solid

Date Received: 10/16/25 15:00

Percent Solids: 77.6

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Batch Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------------|---------|----------------------|
| Total/NA  | Prep       | 5035         |     |                 | 727744       | CAR           | EET PEN | 10/22/25 15:18       |
| Total/NA  | Analysis   | 8260D        |     | 1               | 727708       | CAR           | EET PEN | 10/22/25 23:01       |
| Total/NA  | Prep       | 3546         |     |                 | 727430       | EJW           | EET PEN | 10/20/25 12:54       |
| Total/NA  | Analysis   | 8270E        |     | 1               | 727862       | S1B           | EET PEN | 10/23/25 17:28       |
| Total/NA  | Prep       | 3546         |     |                 | 727437       | AP            | EET PEN | 10/20/25 13:25       |
| Total/NA  | Analysis   | 8270E SIM ID |     | 2               | 727713       | VC1           | EET PEN | 10/22/25 16:55       |
| Soluble   | Leach      | DI Leach     |     |                 | 90551        | MS            | EET ATL | 10/23/25 18:55       |
| Soluble   | Analysis   | 9056A        |     | 1               | 90684        | MS            | EET ATL | 10/24/25 12:48       |
| Soluble   | Leach      | DI Leach     |     |                 | 90551        | MS            | EET ATL | 10/23/25 18:55       |
| Soluble   | Analysis   | 9056A        |     | 1               | 90685        | MS            | EET ATL | 10/24/25 12:48       |
| Total/NA  | Prep       | 3050B        |     |                 | 89601        | BR            | EET ATL | 10/21/25 07:05       |
| Total/NA  | Analysis   | 6020B        |     | 5               | 90031        | IF            | EET ATL | 10/21/25 23:13       |
| Total/NA  | Prep       | 7471B        |     |                 | 91028        | KB            | EET ATL | 10/27/25 11:20       |
| Total/NA  | Analysis   | 7471B        |     | 1               | 91193        | GR            | EET ATL | 10/28/25 08:58       |
| Soluble   | Leach      | DI Leach     |     |                 | 727731       | CAC           | EET PEN | 10/22/25 14:31       |
| Soluble   | Analysis   | 350.1        |     | 1               | 727937       | CAC           | EET PEN | 10/23/25 12:13       |
| Total/NA  | Prep       | 3060A        |     |                 | 727500       | AC            | EET PEN | 10/21/25 08:58       |
| Total/NA  | Analysis   | 7199         |     | 1               | 727971       | AR            | EET PEN | 10/23/25 23:55       |

**Client Sample ID: SED-5**

**Lab Sample ID: 752-38206-5**

Date Collected: 10/16/25 12:05

Matrix: Solid

Date Received: 10/16/25 15:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Batch Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------------|---------|----------------------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 727881       | TMP           | EET PEN | 10/23/25 11:28       |

**Client Sample ID: SED-5**

**Lab Sample ID: 752-38206-5**

Date Collected: 10/16/25 12:05

Matrix: Solid

Date Received: 10/16/25 15:00

Percent Solids: 76.1

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Batch Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------------|---------|----------------------|
| Total/NA  | Prep       | 5035         |     |                 | 727744       | CAR           | EET PEN | 10/22/25 15:18       |
| Total/NA  | Analysis   | 8260D        |     | 1               | 727708       | CAR           | EET PEN | 10/22/25 23:22       |
| Total/NA  | Prep       | 3546         |     |                 | 727430       | EJW           | EET PEN | 10/20/25 12:54       |
| Total/NA  | Analysis   | 8270E        |     | 1               | 727862       | S1B           | EET PEN | 10/23/25 17:58       |
| Total/NA  | Prep       | 3546         |     |                 | 727437       | AP            | EET PEN | 10/20/25 13:25       |
| Total/NA  | Analysis   | 8270E SIM ID |     | 2               | 727713       | VC1           | EET PEN | 10/22/25 17:17       |

# Lab Chronicle

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

Job ID: 752-38206-1

**Client Sample ID: SED-5**

**Lab Sample ID: 752-38206-5**

Date Collected: 10/16/25 12:05

Matrix: Solid

Date Received: 10/16/25 15:00

Percent Solids: 76.1

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Batch Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------------|---------|----------------------|
| Soluble   | Leach      | DI Leach     |     |                 | 90551        | MS            | EET ATL | 10/23/25 18:55       |
| Soluble   | Analysis   | 9056A        |     | 1               | 90684        | MS            | EET ATL | 10/24/25 12:59       |
| Soluble   | Leach      | DI Leach     |     |                 | 90551        | MS            | EET ATL | 10/23/25 18:55       |
| Soluble   | Analysis   | 9056A        |     | 1               | 90685        | MS            | EET ATL | 10/24/25 12:59       |
| Total/NA  | Prep       | 3050B        |     |                 | 89601        | BR            | EET ATL | 10/21/25 07:05       |
| Total/NA  | Analysis   | 6020B        |     | 5               | 90031        | IF            | EET ATL | 10/21/25 23:15       |
| Total/NA  | Prep       | 7471B        |     |                 | 91028        | KB            | EET ATL | 10/27/25 11:20       |
| Total/NA  | Analysis   | 7471B        |     | 1               | 91193        | GR            | EET ATL | 10/28/25 09:01       |
| Soluble   | Leach      | DI Leach     |     |                 | 727731       | CAC           | EET PEN | 10/22/25 14:31       |
| Soluble   | Analysis   | 350.1        |     | 1               | 727937       | CAC           | EET PEN | 10/23/25 12:16       |
| Total/NA  | Prep       | 3060A        |     |                 | 727500       | AC            | EET PEN | 10/21/25 08:58       |
| Total/NA  | Analysis   | 7199         |     | 1               | 727971       | AR            | EET PEN | 10/24/25 00:33       |

**Client Sample ID: SED-6**

**Lab Sample ID: 752-38206-6**

Date Collected: 10/16/25 12:40

Matrix: Solid

Date Received: 10/16/25 15:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Batch Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------------|---------|----------------------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 727881       | TMP           | EET PEN | 10/23/25 11:28       |

**Client Sample ID: SED-6**

**Lab Sample ID: 752-38206-6**

Date Collected: 10/16/25 12:40

Matrix: Solid

Date Received: 10/16/25 15:00

Percent Solids: 73.3

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Batch Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------------|---------|----------------------|
| Total/NA  | Prep       | 5035         |     |                 | 727744       | CAR           | EET PEN | 10/22/25 15:18       |
| Total/NA  | Analysis   | 8260D        |     | 1               | 727708       | CAR           | EET PEN | 10/22/25 23:43       |
| Total/NA  | Prep       | 3546         |     |                 | 727430       | EJW           | EET PEN | 10/20/25 12:54       |
| Total/NA  | Analysis   | 8270E        |     | 1               | 727862       | S1B           | EET PEN | 10/23/25 18:28       |
| Total/NA  | Prep       | 3546         |     |                 | 727437       | AP            | EET PEN | 10/20/25 13:25       |
| Total/NA  | Analysis   | 8270E SIM ID |     | 2               | 727713       | VC1           | EET PEN | 10/22/25 17:38       |
| Soluble   | Leach      | DI Leach     |     |                 | 90551        | MS            | EET ATL | 10/23/25 18:55       |
| Soluble   | Analysis   | 9056A        |     | 1               | 90684        | MS            | EET ATL | 10/24/25 13:10       |
| Soluble   | Leach      | DI Leach     |     |                 | 90551        | MS            | EET ATL | 10/23/25 18:55       |
| Soluble   | Analysis   | 9056A        |     | 1               | 90685        | MS            | EET ATL | 10/24/25 13:10       |
| Total/NA  | Prep       | 3050B        |     |                 | 89601        | BR            | EET ATL | 10/21/25 07:05       |
| Total/NA  | Analysis   | 6020B        |     | 5               | 90031        | IF            | EET ATL | 10/21/25 23:17       |
| Total/NA  | Prep       | 7471B        |     |                 | 91028        | KB            | EET ATL | 10/27/25 11:20       |
| Total/NA  | Analysis   | 7471B        |     | 1               | 91193        | GR            | EET ATL | 10/28/25 09:04       |
| Soluble   | Leach      | DI Leach     |     |                 | 727731       | CAC           | EET PEN | 10/22/25 14:31       |
| Soluble   | Analysis   | 350.1        |     | 1               | 727937       | CAC           | EET PEN | 10/23/25 12:19       |
| Total/NA  | Prep       | 3060A        |     |                 | 727500       | AC            | EET PEN | 10/21/25 08:58       |
| Total/NA  | Analysis   | 7199         |     | 1               | 727971       | AR            | EET PEN | 10/24/25 00:46       |

# Lab Chronicle

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

Job ID: 752-38206-1

**Client Sample ID: SED-7**  
Date Collected: 10/16/25 13:10  
Date Received: 10/16/25 15:00

**Lab Sample ID: 752-38206-7**  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Batch Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------------|---------|----------------------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 727881       | TMP           | EET PEN | 10/23/25 11:28       |

**Client Sample ID: SED-7**  
Date Collected: 10/16/25 13:10  
Date Received: 10/16/25 15:00

**Lab Sample ID: 752-38206-7**  
Matrix: Solid  
Percent Solids: 77.3

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Batch Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------------|---------|----------------------|
| Total/NA  | Prep       | 5035         |     |                 | 727744       | CAR           | EET PEN | 10/22/25 15:18       |
| Total/NA  | Analysis   | 8260D        |     | 1               | 727708       | CAR           | EET PEN | 10/23/25 00:04       |
| Total/NA  | Prep       | 3546         |     |                 | 727430       | EJW           | EET PEN | 10/20/25 12:54       |
| Total/NA  | Analysis   | 8270E        |     | 1               | 727862       | S1B           | EET PEN | 10/23/25 18:59       |
| Total/NA  | Prep       | 3546         |     |                 | 727437       | AP            | EET PEN | 10/20/25 13:25       |
| Total/NA  | Analysis   | 8270E SIM ID |     | 2               | 727713       | VC1           | EET PEN | 10/22/25 18:00       |
| Soluble   | Leach      | DI Leach     |     |                 | 90551        | MS            | EET ATL | 10/23/25 18:55       |
| Soluble   | Analysis   | 9056A        |     | 1               | 90684        | MS            | EET ATL | 10/24/25 13:56       |
| Soluble   | Leach      | DI Leach     |     |                 | 90551        | MS            | EET ATL | 10/23/25 18:55       |
| Soluble   | Analysis   | 9056A        |     | 1               | 90685        | MS            | EET ATL | 10/24/25 13:56       |
| Total/NA  | Prep       | 3050B        |     |                 | 89601        | BR            | EET ATL | 10/21/25 07:05       |
| Total/NA  | Analysis   | 6020B        |     | 5               | 90031        | IF            | EET ATL | 10/21/25 23:20       |
| Total/NA  | Prep       | 7471B        |     |                 | 91028        | KB            | EET ATL | 10/27/25 11:20       |
| Total/NA  | Analysis   | 7471B        |     | 1               | 91193        | GR            | EET ATL | 10/28/25 09:08       |
| Soluble   | Leach      | DI Leach     |     |                 | 727731       | CAC           | EET PEN | 10/22/25 14:31       |
| Soluble   | Analysis   | 350.1        |     | 1               | 727937       | CAC           | EET PEN | 10/23/25 12:33       |
| Total/NA  | Prep       | 3060A        |     |                 | 727500       | AC            | EET PEN | 10/21/25 08:58       |
| Total/NA  | Analysis   | 7199         |     | 1               | 727971       | AR            | EET PEN | 10/24/25 00:59       |

**Client Sample ID: 101625-Dup-SED**  
Date Collected: 10/16/25 00:00  
Date Received: 10/16/25 15:00

**Lab Sample ID: 752-38206-8**  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Batch Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------------|---------|----------------------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 727881       | TMP           | EET PEN | 10/23/25 11:28       |

**Client Sample ID: 101625-Dup-SED**  
Date Collected: 10/16/25 00:00  
Date Received: 10/16/25 15:00

**Lab Sample ID: 752-38206-8**  
Matrix: Solid  
Percent Solids: 73.1

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Batch Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------------|---------|----------------------|
| Total/NA  | Prep       | 5035         |     |                 | 727744       | CAR           | EET PEN | 10/22/25 15:18       |
| Total/NA  | Analysis   | 8260D        |     | 1               | 727708       | CAR           | EET PEN | 10/23/25 00:24       |
| Total/NA  | Prep       | 3546         |     |                 | 727430       | EJW           | EET PEN | 10/20/25 12:54       |
| Total/NA  | Analysis   | 8270E        |     | 1               | 727862       | S1B           | EET PEN | 10/23/25 19:29       |
| Total/NA  | Prep       | 3546         |     |                 | 727437       | AP            | EET PEN | 10/20/25 13:25       |
| Total/NA  | Analysis   | 8270E SIM ID |     | 2               | 727713       | VC1           | EET PEN | 10/22/25 18:21       |

# Lab Chronicle

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

Job ID: 752-38206-1

**Client Sample ID: 101625-Dup-SED**

**Lab Sample ID: 752-38206-8**

Date Collected: 10/16/25 00:00

Matrix: Solid

Date Received: 10/16/25 15:00

Percent Solids: 73.1

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Soluble   | Leach      | DI Leach     |     |                 | 90551        | MS      | EET ATL | 10/23/25 18:55       |
| Soluble   | Analysis   | 9056A        |     | 1               | 90684        | MS      | EET ATL | 10/24/25 14:07       |
| Soluble   | Leach      | DI Leach     |     |                 | 90551        | MS      | EET ATL | 10/23/25 18:55       |
| Soluble   | Analysis   | 9056A        |     | 1               | 90685        | MS      | EET ATL | 10/24/25 14:07       |
| Total/NA  | Prep       | 3050B        |     |                 | 89601        | BR      | EET ATL | 10/21/25 07:05       |
| Total/NA  | Analysis   | 6020B        |     | 5               | 90031        | IF      | EET ATL | 10/21/25 23:22       |
| Total/NA  | Prep       | 7471B        |     |                 | 91028        | KB      | EET ATL | 10/27/25 11:20       |
| Total/NA  | Analysis   | 7471B        |     | 1               | 91193        | GR      | EET ATL | 10/28/25 09:11       |
| Soluble   | Leach      | DI Leach     |     |                 | 727731       | CAC     | EET PEN | 10/22/25 14:31       |
| Soluble   | Analysis   | 350.1        |     | 1               | 727937       | CAC     | EET PEN | 10/23/25 12:35       |
| Total/NA  | Prep       | 3060A        |     |                 | 727500       | AC      | EET PEN | 10/21/25 08:58       |
| Total/NA  | Analysis   | 7199         |     | 1               | 727971       | AR      | EET PEN | 10/24/25 01:11       |

**Client Sample ID: Trip Blank**

**Lab Sample ID: 752-38206-9**

Date Collected: 10/16/25 00:00

Matrix: Water

Date Received: 10/16/25 15:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 728000       | RSG     | EET PEN | 10/24/25 14:09       |

**Laboratory References:**

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

# Accreditation/Certification Summary

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

Job ID: 752-38206-1

## Laboratory: Eurofins Atlanta

The accreditations/certifications listed below are applicable to this report.

| Authority              | Program | Identification Number | Expiration Date |
|------------------------|---------|-----------------------|-----------------|
| North Carolina (WW/SW) | State   | 562                   | 12-31-25        |

## Laboratory: Eurofins Pensacola

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority              | Program | Identification Number | Expiration Date |
|------------------------|---------|-----------------------|-----------------|
| North Carolina (WW/SW) | State   | 314                   | 12-31-25        |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte            |
|-----------------|-------------|--------|--------------------|
| 350.1           |             | Solid  | Ammonia (as N)     |
| 8260D           |             | Water  | Hexane             |
| 8260D           |             | Water  | n-Heptane          |
| 8260D           | 5035        | Solid  | Hexane             |
| 8260D           | 5035        | Solid  | n-Heptane          |
| 8270E           | 3546        | Solid  | 3 & 4 Methylphenol |
| 8270E           | 3546        | Solid  | 4-Nitrophenol      |
| Moisture        |             | Solid  | Percent Moisture   |
| Moisture        |             | Solid  | Percent Solids     |



# Method Summary

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

Job ID: 752-38206-1

| Method       | Method Description  | Protocol | Laboratory |
|--------------|---|----------|------------|
| 8260D        | Volatile Organic Compounds by GC/MS                           | SW846    | EET PEN    |
| 8270E        | Semivolatile Organic Compounds (GC-MS/MS)                     | SW846    | EET PEN    |
| 8270E SIM ID | Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) | SW846    | EET PEN    |
| 9056A        | Anions, Ion Chromatography                                    | SW846    | EET ATL    |
| 6020B        | Metals (ICP/MS)   | SW846    | EET ATL    |
| 7471B        | Mercury (CVAA)  | SW846    | EET ATL    |
| 350.1        | Nitrogen, Ammonia   | EPA      | EET PEN    |
| 7199         | Chromium, Hexavalent (IC)                                     | SW846    | EET PEN    |
| Moisture     | Percent Moisture  | EPA      | EET PEN    |
| 3050B        | Preparation, Metals   | SW846    | EET ATL    |
| 3060A        | Alkaline Digestion (Chromium, Hexavalent)                     | SW846    | EET PEN    |
| 3546         | Microwave Extraction  | SW846    | EET PEN    |
| 5030C        | Purge and Trap  | SW846    | EET PEN    |
| 5035         | Closed System Purge and Trap                                  | SW846    | EET PEN    |
| 7471B        | Preparation, Mercury  | SW846    | EET ATL    |
| DI Leach     | Deionized Water Leaching Procedure                            | ASTM     | EET ATL    |
| DI Leach     | Deionized Water Leaching Procedure                            | ASTM     | EET PEN    |

#### Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

#### Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

# Sample Summary

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

Job ID: 752-38206-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Sample Origin  |
|---------------|------------------|--------|----------------|----------------|----------------|
| 752-38206-1   | SED-1            | Solid  | 10/16/25 09:50 | 10/16/25 15:00 | North Carolina |
| 752-38206-2   | SED-2            | Solid  | 10/16/25 10:25 | 10/16/25 15:00 | North Carolina |
| 752-38206-3   | SED-3            | Solid  | 10/16/25 10:50 | 10/16/25 15:00 | North Carolina |
| 752-38206-4   | SED-4            | Solid  | 10/16/25 11:35 | 10/16/25 15:00 | North Carolina |
| 752-38206-5   | SED-5            | Solid  | 10/16/25 12:05 | 10/16/25 15:00 | North Carolina |
| 752-38206-6   | SED-6            | Solid  | 10/16/25 12:40 | 10/16/25 15:00 | North Carolina |
| 752-38206-7   | SED-7            | Solid  | 10/16/25 13:10 | 10/16/25 15:00 | North Carolina |
| 752-38206-8   | 101625-Dup-SED   | Solid  | 10/16/25 00:00 | 10/16/25 15:00 | North Carolina |
| 752-38206-9   | Trip Blank       | Water  | 10/16/25 00:00 | 10/16/25 15:00 | North Carolina |

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**Eurofins Raleigh**

104 Woodwinds Industrial Court Suite A  
Cary, NC 27511  
Phone (919) 467-3090

**Chain of Custody Record**



Environment Testing

|  |   |   |                              |  |  |  |          |                                   |          |                                      |  |  |                         |                                      |  |                            |                         |               |  |                            |                     |   |  |  |  |  |  |  |  |  |        |                     |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |                       |             |             |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |
|--|---|---|------------------------------|--|--|--|----------|-----------------------------------|----------|--------------------------------------|--|--|-------------------------|--------------------------------------|--|----------------------------|-------------------------|---------------|--|----------------------------|---------------------|---|--|--|--|--|--|--|--|--|--------|---------------------|--|--|--|--|--|--|--|--|----------------------------|--|--|--|--|--|--|--|--|--|-----------------------|-------------|-------------|------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---------------------|--|
| <b>Client Information</b>  |   | Sampler: <u>Chase Porter</u>                      |                              | Lab PM: <u>Bechtold, Chad</u>  |  | Carrier Tracking No(s):  |          | COC No: <u>680-170210-59870.1</u> |          |                                      |  |  |                         |                                      |  |                            |                         |               |  |                            |                     |   |  |  |  |  |  |  |  |  |        |                     |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |                       |             |             |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |
| Client Contact: <u>Jerry Paul</u>  |   | Phone: <u>(919) 337-7999</u>                      |                              | E-Mail: <u>Chad.Bechtold@et.eurofinsus.com</u>   |  | State of Origin:   |          | Page: <u>Page 1 of 1</u>          |          |                                      |  |  |                         |                                      |  |                            |                         |               |  |                            |                     |   |  |  |  |  |  |  |  |  |        |                     |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |                       |             |             |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |
| Company: <u>S&amp;ME Inc</u>   |   | PWSID:  |                              | <b>Analysis Requested</b>  |  |  |          |                                   |          | Job #:                               |  |  |                         |                                      |  |                            |                         |               |  |                            |                     |   |  |  |  |  |  |  |  |  |        |                     |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |                       |             |             |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |
| Address: <u>3201 Spring Forest Road</u>  |   | Due Date Requested: <u>↑</u>                      |                              | <table border="1"> <tr> <td>Field Filtered Sample (Yes or No)</td> <td>350.1 - Ammonia as N</td> <td>8270E_QQQ - SVOCs, 8270E_SIM_ID_D5 - 1,4-Dioxane</td> <td>8280D - VOC NC 02L List</td> <td>6020B_LL - PRLF 16 Metals; 7473 - Hg</td> <td>9056A_ORGFM_28D - Sulfate, 9056A_ORGFM_48H - Nitrate</td> <td>7199 - Hexavalent Chromium</td> <td>8280D - VOC NC 02L List</td> <td rowspan="5">752-38206 COC</td> <td rowspan="5"> </td> <td rowspan="5">Total Number of containers</td> </tr> <tr> <td>Preservation Codes:</td> <td colspan="9">N - None<br/>PL - MeOH/NaHSO4<br/>A - HCL</td> </tr> <tr> <td>Other:</td> <td colspan="9">NCDEQ EQ-1S<br/>EDDs</td> </tr> <tr> <td>Special Instructions/Note:</td> <td colspan="9"></td> </tr> <tr> <td>Sample Identification</td> <td>Sample Date</td> <td>Sample Time</td> <td>Sample Type (C=comp, G=grab)</td> <td>Matrix (W=water, S=solid, O=waste/oil, B=Tea/Infusion, A=Air, DW=Drinking Water)</td> <td colspan="5"></td> <td></td> </tr> <tr> <td colspan="11">Preservation Code: <u>N N PL N N N A</u></td> </tr> </table> |  |  |          |                                   |          | Field Filtered Sample (Yes or No)    | 350.1 - Ammonia as N                                 | 8270E_QQQ - SVOCs, 8270E_SIM_ID_D5 - 1,4-Dioxane | 8280D - VOC NC 02L List | 6020B_LL - PRLF 16 Metals; 7473 - Hg | 9056A_ORGFM_28D - Sulfate, 9056A_ORGFM_48H - Nitrate | 7199 - Hexavalent Chromium | 8280D - VOC NC 02L List | 752-38206 COC |  | Total Number of containers | Preservation Codes: | N - None<br>PL - MeOH/NaHSO4<br>A - HCL |  |  |  |  |  |  |  |  | Other: | NCDEQ EQ-1S<br>EDDs |  |  |  |  |  |  |  |  | Special Instructions/Note: |  |  |  |  |  |  |  |  |  | Sample Identification | Sample Date | Sample Time | Sample Type (C=comp, G=grab) | Matrix (W=water, S=solid, O=waste/oil, B=Tea/Infusion, A=Air, DW=Drinking Water) |  |  |  |  |  |  | Preservation Code: <u>N N PL N N N A</u> |  |  |  |  |  |  |  |  |  |  | Preservation Codes: |  |
| Field Filtered Sample (Yes or No)  | 350.1 - Ammonia as N                    | 8270E_QQQ - SVOCs, 8270E_SIM_ID_D5 - 1,4-Dioxane  | 8280D - VOC NC 02L List      |  |  |  |          |                                   |          | 6020B_LL - PRLF 16 Metals; 7473 - Hg | 9056A_ORGFM_28D - Sulfate, 9056A_ORGFM_48H - Nitrate | 7199 - Hexavalent Chromium                       | 8280D - VOC NC 02L List | 752-38206 COC                        |  | Total Number of containers |                         |               |  |                            |                     |   |  |  |  |  |  |  |  |  |        |                     |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |                       |             |             |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |
| Preservation Codes:  | N - None<br>PL - MeOH/NaHSO4<br>A - HCL |   |                              |  |  |  |          |                                   |          |                                      |  |  |                         |                                      |  |                            |                         |               |  |                            |                     |   |  |  |  |  |  |  |  |  |        |                     |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |                       |             |             |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |
| Other:   | NCDEQ EQ-1S<br>EDDs                     |   |                              |  |  |  |          |                                   |          |                                      |  |  |                         |                                      |  |                            |                         |               |  |                            |                     |   |  |  |  |  |  |  |  |  |        |                     |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |                       |             |             |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |
| Special Instructions/Note:   |   |   |                              |  |  |  |          |                                   |          |                                      |  |  |                         |                                      |  |                            |                         |               |  |                            |                     |   |  |  |  |  |  |  |  |  |        |                     |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |                       |             |             |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |
| Sample Identification  | Sample Date                             | Sample Time                                       | Sample Type (C=comp, G=grab) | Matrix (W=water, S=solid, O=waste/oil, B=Tea/Infusion, A=Air, DW=Drinking Water)   |  |  |          |                                   |          |                                      |  |  |                         |                                      |  |                            |                         |               |  |                            |                     |   |  |  |  |  |  |  |  |  |        |                     |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |                       |             |             |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |
| Preservation Code: <u>N N PL N N N A</u>   |   |   |                              |  |  |  |          |                                   |          |                                      |  |  |                         |                                      |  |                            |                         |               |  |                            |                     |   |  |  |  |  |  |  |  |  |        |                     |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |                       |             |             |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |
| City: <u>Raleigh</u>   |   | TAT Requested (days): <u>STANDARD TAT</u>         |                              | Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No   |  | PO #:  |          | WO #:                             |          | Project #:                           |  |  |                         |                                      |  |                            |                         |               |  |                            |                     |   |  |  |  |  |  |  |  |  |        |                     |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |                       |             |             |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |
| State, Zip: <u>NC, 27616</u>   |   | Phone: <u>919-872-2660(Tel) 919-876-3958(Fax)</u> |                              | Email: <u>jpaul@smeinc.com</u>   |  | Project Name: <u>East Durham Park</u>  |          | Site: <u>SSOW#:</u>               |          |                                      |  |  |                         |                                      |  |                            |                         |               |  |                            |                     |   |  |  |  |  |  |  |  |  |        |                     |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |                       |             |             |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |
| Project Name:  |   | Project #:  |                              | Site:  |  | SSOW#:   |          |                                   |          |                                      |  |  |                         |                                      |  |                            |                         |               |  |                            |                     |   |  |  |  |  |  |  |  |  |        |                     |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |                       |             |             |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |
| Site:  |   | SSOW#:  |                              |  |  |  |          |                                   |          |                                      |  |  |                         |                                      |  |                            |                         |               |  |                            |                     |   |  |  |  |  |  |  |  |  |        |                     |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |                       |             |             |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |
| Sample Identification  |   | Sample Date                                       | Sample Time                  | Sample Type (C=comp, G=grab)   | Matrix (W=water, S=solid, O=waste/oil, B=Tea/Infusion, A=Air, DW=Drinking Water) |  |          |                                   |          |                                      |  |  |                         |                                      |  |                            |                         |               |  |                            |                     |   |  |  |  |  |  |  |  |  |        |                     |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |                       |             |             |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |
| Preservation Code: <u>N N PL N N N A</u>   |   |   |                              |  |  |  |          |                                   |          |                                      |  |  |                         |                                      |  |                            |                         |               |  |                            |                     |   |  |  |  |  |  |  |  |  |        |                     |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |                       |             |             |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |
| <u>SED-1</u>   | <u>10/16/25</u>                         | <u>0950</u>                                       | <u>G</u>                     | <u>S</u>   |  | <u>X</u>   | <u>X</u> | <u>X</u>                          | <u>X</u> | <u>X</u>                             | <u>X</u>   |  |                         |                                      |  |                            |                         |               |  |                            |                     |   |  |  |  |  |  |  |  |  |        |                     |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |                       |             |             |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |
| <u>SED-2</u>   | <u>10/16/25</u>                         | <u>1025</u>                                       | <u>G</u>                     | <u>S</u>   |  | <u>X</u>   | <u>X</u> | <u>X</u>                          | <u>X</u> | <u>X</u>                             | <u>X</u>   |  |                         |                                      |  |                            |                         |               |  |                            |                     |   |  |  |  |  |  |  |  |  |        |                     |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |                       |             |             |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |
| <u>SED-3</u>   | <u>10/16/25</u>                         | <u>1050</u>                                       | <u>G</u>                     | <u>S</u>   |  | <u>X</u>   | <u>X</u> | <u>X</u>                          | <u>X</u> | <u>X</u>                             | <u>X</u>   |  |                         |                                      |  |                            |                         |               |  |                            |                     |   |  |  |  |  |  |  |  |  |        |                     |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |                       |             |             |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |
| <u>SED-4</u>   | <u>10/16/25</u>                         | <u>1135</u>                                       | <u>G</u>                     | <u>S</u>   |  | <u>X</u>   | <u>X</u> | <u>X</u>                          | <u>X</u> | <u>X</u>                             | <u>X</u>   |  |                         |                                      |  |                            |                         |               |  |                            |                     |   |  |  |  |  |  |  |  |  |        |                     |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |                       |             |             |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |
| <u>SED-5</u>   | <u>10/16/25</u>                         | <u>1205</u>                                       | <u>G</u>                     | <u>S</u>   |  | <u>X</u>   | <u>X</u> | <u>X</u>                          | <u>X</u> | <u>X</u>                             | <u>X</u>   |  |                         |                                      |  |                            |                         |               |  |                            |                     |   |  |  |  |  |  |  |  |  |        |                     |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |                       |             |             |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |
| <u>SED-6</u>   | <u>10/16/25</u>                         | <u>1240</u>                                       | <u>G</u>                     | <u>S</u>   |  | <u>X</u>   | <u>X</u> | <u>X</u>                          | <u>X</u> | <u>X</u>                             | <u>X</u>   |  |                         |                                      |  |                            |                         |               |  |                            |                     |   |  |  |  |  |  |  |  |  |        |                     |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |                       |             |             |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |
| <u>SED-7</u>   | <u>10/16/25</u>                         | <u>1310</u>                                       | <u>G</u>                     | <u>S</u>   |  | <u>X</u>   | <u>X</u> | <u>X</u>                          | <u>X</u> | <u>X</u>                             | <u>X</u>   |  |                         |                                      |  |                            |                         |               |  |                            |                     |   |  |  |  |  |  |  |  |  |        |                     |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |                       |             |             |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |
| <u>10/16/25 - DUP - SED</u>  | <u>10/16/25</u>                         | <u>—</u>  | <u>G</u>                     | <u>S</u>   |  | <u>X</u>   | <u>X</u> | <u>X</u>                          | <u>X</u> | <u>X</u>                             | <u>X</u>   |  |                         |                                      |  |                            |                         |               |  |                            |                     |   |  |  |  |  |  |  |  |  |        |                     |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |                       |             |             |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |
| <u>TRIP BLANK</u>  |   |   |                              |  |  |  |          |                                   |          |                                      |  |  |                         |                                      |  |                            |                         |               |  |                            |                     |   |  |  |  |  |  |  |  |  |        |                     |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |                       |             |             |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |
| <b>Possible Hazard Identification</b>  |   |   |                              |  |  | <b>Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)</b>  |          |                                   |          |                                      |  |  |                         |                                      |  |                            |                         |               |  |                            |                     |   |  |  |  |  |  |  |  |  |        |                     |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |                       |             |             |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |
| <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological |   |   |                              |  |  | <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months |          |                                   |          |                                      |  |  |                         |                                      |  |                            |                         |               |  |                            |                     |   |  |  |  |  |  |  |  |  |        |                     |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |                       |             |             |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |
| Deliverable Requested: I, II, III, IV, Other (specify)   |   |   |                              |  |  | Special Instructions/QC Requirements:  |          |                                   |          |                                      |  |  |                         |                                      |  |                            |                         |               |  |                            |                     |   |  |  |  |  |  |  |  |  |        |                     |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |                       |             |             |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |
| Empty Kit Relinquished by:   |   | Date:   |                              | Time:  |  | Method of Shipment:  |          |                                   |          |                                      |  |  |                         |                                      |  |                            |                         |               |  |                            |                     |   |  |  |  |  |  |  |  |  |        |                     |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |                       |             |             |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |
| Relinquished by: <u>[Signature]</u>  |   | Date/Time: <u>10/16/25 1340</u>                   |                              | Company: <u>S&amp;ME</u>   |  | Received by: <u>[Signature]</u>  |          | Date/Time: <u>10/16/25 1340</u>   |          | Company: <u>S&amp;ME</u>             |  |  |                         |                                      |  |                            |                         |               |  |                            |                     |   |  |  |  |  |  |  |  |  |        |                     |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |                       |             |             |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |
| Relinquished by: <u>[Signature]</u>  |   | Date/Time: <u>10/16/25</u>                        |                              | Company: <u>S&amp;ME</u>   |  | Received by: <u>[Signature]</u>  |          | Date/Time: <u>10/16/25 1500</u>   |          | Company: <u>Eurofins</u>             |  |  |                         |                                      |  |                            |                         |               |  |                            |                     |   |  |  |  |  |  |  |  |  |        |                     |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |                       |             |             |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |
| Relinquished by:   |   | Date/Time:  |                              | Company:   |  | Received by:   |          | Date/Time:                        |          | Company:                             |  |  |                         |                                      |  |                            |                         |               |  |                            |                     |   |  |  |  |  |  |  |  |  |        |                     |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |                       |             |             |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |
| Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No   |   | Custody Seal No.:                                 |                              | Cooler Temperature(s) °C and Other Remarks: <u>5.0/4.6°C 4.9/4.5°C</u>   |  |  |          |                                   |          |                                      |  |  |                         |                                      |  |                            |                         |               |  |                            |                     |   |  |  |  |  |  |  |  |  |        |                     |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |                       |             |             |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |





## Login Sample Receipt Checklist

Client: S&ME Inc

Job Number: 752-38206-1

**Login Number: 38206**

**List Number: 1**

**Creator: Yonish, Rachel**

**List Source: Eurofins Raleigh**

| Question   | Answer | Comment |
|--|--------|---------|
| Radioactivity wasn't checked or is <=/ background as measured by a survey meter. | N/A    |         |
| The cooler's custody seal, if present, is intact.                                | True   |         |
| Sample custody seals, if present, are intact.                                    | True   |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.  | True   |         |
| Cooler Temperature is acceptable.  | True   |         |
| Cooler Temperature is recorded.  | True   |         |
| COC is present.  | True   |         |
| COC is filled out in ink and legible.  | True   |         |
| COC is filled out with all pertinent information.                                | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.   | True   |         |
| Containers are not broken or leaking.  | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.  | True   |         |
| Sample bottles are completely filled.  | True   |         |
| Sample Preservation Verified.  | True   |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | True   |         |
| Multiphasic samples are not present.   | True   |         |
| Samples do not require splitting or compositing.                                 | True   |         |
| Residual Chlorine Checked.   | N/A    |         |



## Login Sample Receipt Checklist

Client: S&ME Inc

Job Number: 752-38206-1

**Login Number: 38206**

**List Number: 2**

**Creator: Taylor, Renee**

**List Source: Eurofins Atlanta**

**List Creation: 10/18/25 11:11 AM**

| Question   | Answer | Comment |
|--|--------|---------|
| The cooler's custody seal, if present, is intact.                                | True   |         |
| The cooler does not appear to have been compromised or tampered with.            | True   |         |
| Samples were received on ice.  | True   |         |
| Cooler Temperature is acceptable.  | True   |         |
| Cooler Temperature is recorded.  | True   |         |
| COC present.   | True   |         |
| COC is filled out in ink and legible.  | True   |         |
| COC is filled out with all pertinent information.                                | True   |         |
| Sample custody seals, if present, are intact.                                    | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| The samples do not appear to have been compromised or tampered with.             | True   |         |
| Containers are not broken or leaking.  | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Sample containers have legible labels.   | True   |         |
| Appropriate sample containers were rec'd and sufficient volume for all analyses. | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs).   | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | True   |         |
| Is there sufficient air space in bottle for bacteriological analysis.            | True   |         |



## Login Sample Receipt Checklist

Client: S&ME Inc

Job Number: 752-38206-1

**Login Number: 38206**

**List Number: 3**

**Creator: Bankston, Victoria K**

**List Source: Eurofins Pensacola**

**List Creation: 10/18/25 01:35 PM**

| Question   | Answer | Comment         |
|--|--------|-----------------|
| Radioactivity wasn't checked or is <=/ background as measured by a survey meter. | N/A    |                 |
| The cooler's custody seal, if present, is intact.                                | True   |                 |
| Sample custody seals, if present, are intact.                                    | N/A    |                 |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |                 |
| Samples were received on ice.  | True   |                 |
| Cooler Temperature is acceptable.  | True   |                 |
| Cooler Temperature is recorded.  | True   | 0.0, 0.0°C IR10 |
| COC is present.  | True   |                 |
| COC is filled out in ink and legible.  | True   |                 |
| COC is filled out with all pertinent information.                                | True   |                 |
| Is the Field Sampler's name present on COC?                                      | True   |                 |
| There are no discrepancies between the containers received and the COC.          | True   |                 |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |                 |
| Sample containers have legible labels.   | True   |                 |
| Containers are not broken or leaking.  | True   |                 |
| Sample collection date/times are provided.                                       | True   |                 |
| Appropriate sample containers are used.  | True   |                 |
| Sample bottles are completely filled.  | True   |                 |
| Sample Preservation Verified.  | N/A    |                 |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |                 |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |                 |
| Multiphasic samples are not present.   | True   |                 |
| Samples do not require splitting or compositing.                                 | True   |                 |
| Residual Chlorine Checked.   | N/A    |                 |

## **Appendix IV – NCDEQ Risk Calculator Package**

## North Carolina Department of Environmental Quality Risk Calculator

|                          |  |
|--------------------------|--|
| <b>Version Date:</b>     | January 2025   |
| <b>Basis:</b>            | November 2024 EPA RSL Table                                  |
| <b>Site Name:</b>        | East Durham Park   |
| <b>Site Address:</b>     | 2500 East Main Street, Durham, Durham County, North Carolina |
| <b>DEQ Section:</b>      | Landfill   |
| <b>Site ID:</b>          | NONCD0000821   |
| <b>Exposure Unit ID:</b> | 821-LFGP-1   |
| <b>Submittal Date:</b>   | 2/17/2026  |
| <b>Prepared By:</b>      | Jennifer Petzold   |
| <b>Reviewed By:</b>      | Jerry Paul   |

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: 821-LFGP-1

**Soil Gas Exposure Point Concentration Table**

Description of Exposure Point Concentration Selection:

Note: Chemicals highlighted in orange are non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

| Exposure Point Concentration (ug/m <sup>3</sup> ) | 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 |
|---|--------|------------|----------|-----------------------------------|-----------------------------------|-------------------|-----------------------------------|---------------------|---------------------------|----------------------------------|------------------|--|--------------------------|---------------------------|-----------------|-------------------------------------|
| 41  |        | 67-64-1    | Acetone  |                                   |                                   | ug/m <sup>3</sup> |                                   |                     |                           |                                  |                  |  |                          |                           |                 |                                     |

**Version Date: January 2025**

**Basis: November 2024 EPA RSL Table**

**Site ID: NONCD0000821**

**Exposure Unit ID: 821-LFGP-1**

**DIRECT CONTACT SOIL AND WATER CALCULATORS**

| Receptor               | Pathway          | Carcinogenic Risk | Hazard Index | Risk exceeded? |
|------------------------|------------------|-------------------|--------------|----------------|
| Resident               | Soil             | 0.0E+00           | 0.0E+00      | NO             |
|                        | Groundwater Use* | NC                | NC           | NC             |
| Non-Residential Worker | Soil             | 0.0E+00           | 0.0E+00      | NO             |
|                        | Groundwater Use* | NC                | NC           | NC             |
| Construction Worker    | Soil             | NC                | NC           | NC             |
| Recreator/Trespasser   | Soil             | NC                | NC           | NC             |
|                        | Surface Water*   | NC                | NC           | NC             |

**VAPOR INTRUSION CALCULATORS**

| Receptor               | Pathway                   | Carcinogenic Risk | Hazard Index | Risk exceeded? |
|------------------------|---------------------------|-------------------|--------------|----------------|
| Resident               | Groundwater to Indoor Air | 0.0E+00           | 0.0E+00      | NO             |
|                        | Soil Gas to Indoor Air    | 0.0E+00           | 0.0E+00      | NO             |
|                        | Indoor Air                | 0.0E+00           | 0.0E+00      | NO             |
| Non-Residential Worker | Groundwater to Indoor Air | 0.0E+00           | 0.0E+00      | NO             |
|                        | Soil Gas to Indoor Air    | 0.0E+00           | 0.0E+00      | NO             |
|                        | Indoor Air                | 0.0E+00           | 0.0E+00      | NO             |

**CONTAMINANT MIGRATION CALCULATORS**

| Pathway       | Source             | Target Receptor Concentrations Exceeded? |    |
|---------------|--------------------|--|----|
| Groundwater   | Source Soil        | Exceedence of 2L at Receptor?            | NM |
|               | Source Groundwater | Exceedence of 2L at Receptor?            | NM |
| Surface Water | Source Soil        | Exceedence of 2B at Receptor?            | NM |
|               | Source Groundwater | Exceedence of 2B at Receptor?            | NM |

Notes:

1. If lead concentrations were entered in the exposure point concentration tables, see the individual calculator sheets for lead concentrations in comparison to screening levels. Note that lead is not included in cumulative risk calculations.
2. \* = If concentrations in groundwater exceed the NC 2L Standards or IMAC, or concentrations in surface water exceed the NC 2B Standards, appropriate remediation and/or institutional control measures will be necessary to be eligible for a risk-based closure.
3. NM = Not modeled, required contaminant migration parameters were not entered.
4. NC = Pathway not calculated, user did not check this pathway as complete.

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: 821-LFGP-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<sup>3</sup>

| CAS #   | Chemical Name: | Soil Gas Concentration (ug/m <sup>3</sup> ) | Calculated Indoor Air Concentration (ug/m <sup>3</sup> ) | Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06 | Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2 | Calculated Carcinogenic Risk | Calculated Non-Carcinogenic Hazard Quotient |
|---------|----------------|---|--|---|---|------------------------------|---|
| 67-64-1 | Acetone        | 41  | 1.23   | -   | -   |                              |   |

|             |         |         |
|-------------|---------|---------|
| Cumulative: | 0.0E+00 | 0.0E+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:** NONCD0000821

**Exposure Unit ID:** 821-LFGP-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<sup>3</sup>

| CAS #   | Chemical Name: | Soil Gas Concentration (ug/m <sup>3</sup> ) | Calculated Indoor Air Concentration (ug/m <sup>3</sup> ) | Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06 | Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2 | Calculated Carcinogenic Risk | Calculated Non-Carcinogenic Hazard Quotient |
|---------|----------------|---|--|---|---|------------------------------|---|
| 67-64-1 | Acetone        | 41  | 0.41   | -   | -   |                              |   |

|             |         |         |
|-------------|---------|---------|
| Cumulative: | 0.0E+00 | 0.0E+00 |
|-------------|---------|---------|

## North Carolina Department of Environmental Quality Risk Calculator

|                          |  |
|--------------------------|--|
| <b>Version Date:</b>     | January 2025   |
| <b>Basis:</b>            | November 2024 EPA RSL Table                                  |
| <b>Site Name:</b>        | East Durham Park   |
| <b>Site Address:</b>     | 2500 East Main Street, Durham, Durham County, North Carolina |
| <b>DEQ Section:</b>      | Landfill   |
| <b>Site ID:</b>          | NONCD0000821   |
| <b>Exposure Unit ID:</b> | 821-LFGP-2   |
| <b>Submittal Date:</b>   | 2/17/2026  |
| <b>Prepared By:</b>      | Jennifer Petzold   |
| <b>Reviewed By:</b>      | Jerry Paul   |

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD000821

Exposure Unit ID: 821-LFGP-2

Soil Gas Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

Note: Chemicals highlighted in orange are non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

| Exposure Point Concentration (ug/m <sup>3</sup> ) | Notes: | CAS Number | Chemical | Minimum Concentration (Qualifier) | Maximum Concentration (Qualifier) | Units             | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Concentration Used for Screening | Background Value | Screening Toxicity Value (Screening Level) (n/c) | Potential ARAR/TBC Value | Potential ARAR/TBC Source | COPC Flag (Y/N) | Rationale for Selection or Deletion |
|---|--------|------------|----------|-----------------------------------|-----------------------------------|-------------------|-----------------------------------|---------------------|---------------------------|----------------------------------|------------------|--|--------------------------|---------------------------|-----------------|-------------------------------------|
| 22  |        | 67-64-1    | Acetone  |                                   |                                   | ug/m <sup>3</sup> | 821-LFGP-1                        |                     |                           |                                  |                  |  |                          |                           |                 |                                     |

**Version Date: January 2025**

**Basis: November 2024 EPA RSL Table**

**Site ID: NONCD0000821**

**Exposure Unit ID: 821-LFGP-2**

**DIRECT CONTACT SOIL AND WATER CALCULATORS**

| Receptor               | Pathway          | Carcinogenic Risk | Hazard Index | Risk exceeded? |
|------------------------|------------------|-------------------|--------------|----------------|
| Resident               | Soil             | 0.0E+00           | 0.0E+00      | NO             |
|                        | Groundwater Use* | NC                | NC           | NC             |
| Non-Residential Worker | Soil             | 0.0E+00           | 0.0E+00      | NO             |
|                        | Groundwater Use* | NC                | NC           | NC             |
| Construction Worker    | Soil             | NC                | NC           | NC             |
| Recreator/Trespasser   | Soil             | NC                | NC           | NC             |
|                        | Surface Water*   | NC                | NC           | NC             |

**VAPOR INTRUSION CALCULATORS**

| Receptor               | Pathway                   | Carcinogenic Risk | Hazard Index | Risk exceeded? |
|------------------------|---------------------------|-------------------|--------------|----------------|
| Resident               | Groundwater to Indoor Air | 0.0E+00           | 0.0E+00      | NO             |
|                        | Soil Gas to Indoor Air    | 0.0E+00           | 0.0E+00      | NO             |
|                        | Indoor Air                | 0.0E+00           | 0.0E+00      | NO             |
| Non-Residential Worker | Groundwater to Indoor Air | 0.0E+00           | 0.0E+00      | NO             |
|                        | Soil Gas to Indoor Air    | 0.0E+00           | 0.0E+00      | NO             |
|                        | Indoor Air                | 0.0E+00           | 0.0E+00      | NO             |

**CONTAMINANT MIGRATION CALCULATORS**

| Pathway       | Source             | Target Receptor Concentrations Exceeded? |    |
|---------------|--------------------|--|----|
| Groundwater   | Source Soil        | Exceedence of 2L at Receptor?            | NM |
|               | Source Groundwater | Exceedence of 2L at Receptor?            | NM |
| Surface Water | Source Soil        | Exceedence of 2B at Receptor?            | NM |
|               | Source Groundwater | Exceedence of 2B at Receptor?            | NM |

**Notes:**

1. If lead concentrations were entered in the exposure point concentration tables, see the individual calculator sheets for lead concentrations in comparison to screening levels. Note that lead is not included in cumulative risk calculations.
2. \* = If concentrations in groundwater exceed the NC 2L Standards or IMAC, or concentrations in surface water exceed the NC 2B Standards, appropriate remediation and/or institutional control measures will be necessary to be eligible for a risk-based closure.
3. NM = Not modeled, required contaminant migration parameters were not entered.
4. NC = Pathway not calculated, user did not check this pathway as complete.

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: 821-LFGP-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<sup>3</sup>

| CAS #   | Chemical Name: | Soil Gas Concentration (ug/m <sup>3</sup> ) | Calculated Indoor Air Concentration (ug/m <sup>3</sup> ) | Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06 | Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2 | Calculated Carcinogenic Risk | Calculated Non-Carcinogenic Hazard Quotient |
|---------|----------------|---|--|---|---|------------------------------|---|
| 67-64-1 | Acetone        | 22  | 0.66   | -   | -   |                              |   |

|             |         |         |
|-------------|---------|---------|
| Cumulative: | 0.0E+00 | 0.0E+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:** NONCD0000821

**Exposure Unit ID:** 821-LFGP-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<sup>3</sup>

| CAS #   | Chemical Name: | Soil Gas Concentration (ug/m <sup>3</sup> ) | Calculated Indoor Air Concentration (ug/m <sup>3</sup> ) | Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06 | Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2 | Calculated Carcinogenic Risk | Calculated Non-Carcinogenic Hazard Quotient |
|---------|----------------|---|--|---|---|------------------------------|---|
| 67-64-1 | Acetone        | 22  | 0.22   | -   | -   |                              |   |

|             |         |         |
|-------------|---------|---------|
| Cumulative: | 0.0E+00 | 0.0E+00 |
|-------------|---------|---------|

## North Carolina Department of Environmental Quality Risk Calculator

|                          |   |
|--------------------------|---|
| <b>Version Date:</b>     | January 2025                                  |
| <b>Basis:</b>            | November 2024 EPA RSL Table                   |
| <b>Site Name:</b>        | City of Durham Parks - East Durham Park       |
| <b>Site Address:</b>     | 2500 East Main Street, Durham, North Carolina |
| <b>DEQ Section:</b>      | Pre-Regulatory Landfill Group                 |
| <b>Site ID:</b>          | NONCD0000821                                  |
| <b>Exposure Unit ID:</b> | 821-LFGP-3                                    |
| <b>Submittal Date:</b>   | 2/17/2026                                     |
| <b>Prepared By:</b>      | Clay Faircloth<br>Jennifer Petzold            |
| <b>Reviewed By:</b>      | Jerry Paul                                    |

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: 821-LFGP-3

**Soil Gas Exposure Point Concentration Table**

Description of Exposure Point Concentration Selection:

Note: Chemicals highlighted in orange are non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

| Exposure Point Concentration (ug/m <sup>3</sup> ) | Notes: | CAS Number | Chemical     | Minimum Concentration (Qualifier) | Maximum Concentration (Qualifier) | Units             | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Concentration Used for Screening | Background Value | Screening Toxicity Value (Screening Level) (n/c) | Potential ARAR/TBC Value | Potential ARAR/TBC Source | COPC Flag (Y/N) | Rationale for Selection or Deletion |
|---|--------|------------|--------------|-----------------------------------|-----------------------------------|-------------------|-----------------------------------|---------------------|---------------------------|----------------------------------|------------------|--|--------------------------|---------------------------|-----------------|-------------------------------------|
| 23  |        | 67-64-1    | Acetone      |                                   |                                   | ug/m <sup>3</sup> |                                   |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 34  |        | 100-41-4   | Ethylbenzene |                                   |                                   | ug/m <sup>3</sup> |                                   |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 216   |        | 1330-20-7  | Xylenes      |                                   |                                   | ug/m <sup>3</sup> |                                   |                     |                           |                                  |                  |  |                          |                           |                 |                                     |

**Version Date: January 2025**

**Basis: November 2024 EPA RSL Table**

**Site ID: NONCD0000821**

**Exposure Unit ID: 821-LFGP-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    | 9.1E-07           | 6.3E-02      | NO             |
|                        | Indoor Air                | NC                | NC           | NC             |
| Non-Residential Worker | Groundwater to Indoor Air | NC                | NC           | NC             |
|                        | Soil Gas to Indoor Air    | 6.9E-08           | 5.0E-03      | NO             |
|                        | Indoor Air                | NC                | NC           | NC             |

**CONTAMINANT MIGRATION CALCULATORS**

| Pathway       | Source             | Target Receptor Concentrations Exceeded? |    |
|---------------|--------------------|--|----|
| Groundwater   | Source Soil        | Exceedence of 2L at Receptor?            | 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: NONCD0000821

Exposure Unit ID: 821-LFGP-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  $\mu\text{g}/\text{m}^3$

| CAS #     | Chemical Name: | Soil Gas Concentration ( $\mu\text{g}/\text{m}^3$ ) | Calculated Indoor Air Concentration ( $\mu\text{g}/\text{m}^3$ ) | Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06 | Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2 | Calculated Carcinogenic Risk | Calculated Non-Carcinogenic Hazard Quotient |
|-----------|----------------|---|--|---|---|------------------------------|---|
| 67-64-1   | Acetone        | 23  | 0.69   | -   | -   |                              |   |
| 100-41-4  | Ethylbenzene   | 34  | 1.02   | 1.1E+00   | 2.1E+02   | 9.1E-07                      | 9.8E-04                                     |
| 1330-20-7 | Xylenes        | 216   | 6.48   | -   | 2.1E+01   |                              | 6.2E-02                                     |

|             |         |         |
|-------------|---------|---------|
| Cumulative: | 9.1E-07 | 6.3E-02 |
|-------------|---------|---------|

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: 821-LFGP-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<sup>3</sup>

| CAS #     | Chemical Name: | Soil Gas Concentration (ug/m <sup>3</sup> ) | Calculated Indoor Air Concentration (ug/m <sup>3</sup> ) | Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06 | Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2 | Calculated Carcinogenic Risk | Calculated Non-Carcinogenic Hazard Quotient |
|-----------|----------------|---|--|---|---|------------------------------|---|
| 67-64-1   | Acetone        | 23  | 0.23   | -   | -   |                              |   |
| 100-41-4  | Ethylbenzene   | 34  | 0.34   | 4.9E+00   | 8.8E+02   | 6.9E-08                      | 7.8E-05                                     |
| 1330-20-7 | Xylenes        | 216   | 2.16   | -   | 8.8E+01   |                              | 4.9E-03                                     |

|             |         |         |
|-------------|---------|---------|
| Cumulative: | 6.9E-08 | 5.0E-03 |
|-------------|---------|---------|

## North Carolina Department of Environmental Quality Risk Calculator

|                          |   |
|--------------------------|---|
| <b>Version Date:</b>     | January 2025                                  |
| <b>Basis:</b>            | November 2024 EPA RSL Table                   |
| <b>Site Name:</b>        | City of Durham Parks - East Durham Park       |
| <b>Site Address:</b>     | 2500 East Main Street, Durham, North Carolina |
| <b>DEQ Section:</b>      | Pre-Regulatory Landfill Group                 |
| <b>Site ID:</b>          | NONCD0000821                                  |
| <b>Exposure Unit ID:</b> | 821-LFGP-4                                    |
| <b>Submittal Date:</b>   | 2/17/2026                                     |
| <b>Prepared By:</b>      | Jennifer Petzold                              |
| <b>Reviewed By:</b>      | Jerry Paul                                    |

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: 821-LFGP-4

**Soil Gas Exposure Point Concentration Table**

Description of Exposure Point Concentration Selection:

Note: Chemicals highlighted in orange are non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

| Exposure Point Concentration (ug/m <sup>3</sup> ) | 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 |
|---|--------|------------|----------|-----------------------------------|-----------------------------------|-------------------|-----------------------------------|---------------------|---------------------------|----------------------------------|------------------|--|--------------------------|---------------------------|-----------------|-------------------------------------|
| 27  |        | 67-64-1    | Acetone  |                                   |                                   | ug/m <sup>3</sup> |                                   |                     |                           |                                  |                  |  |                          |                           |                 |                                     |

**Version Date: January 2025**

**Basis: November 2024 EPA RSL Table**

**Site ID: NONCD0000821**

**Exposure Unit ID: 821-LFGP-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    | 0.0E+00           | 0.0E+00      | NO             |
|                        | Indoor Air                | NC                | NC           | NC             |
| Non-Residential Worker | Groundwater to Indoor Air | NC                | NC           | NC             |
|                        | Soil Gas to Indoor Air    | 0.0E+00           | 0.0E+00      | NO             |
|                        | Indoor Air                | NC                | NC           | NC             |

**CONTAMINANT MIGRATION CALCULATORS**

| Pathway       | Source             | Target Receptor Concentrations Exceeded? |    |
|---------------|--------------------|--|----|
| Groundwater   | Source Soil        | Exceedence of 2L at Receptor?            | NC |
|               | Source Groundwater | Exceedence of 2L at Receptor?            | NC |
| Surface Water | Source Soil        | Exceedence of 2B at Receptor?            | NC |
|               | Source Groundwater | Exceedence of 2B at Receptor?            | NC |

**Notes:**

1. If lead concentrations were entered in the exposure point concentration tables, see the individual calculator sheets for lead concentrations in comparison to screening levels. Note that lead is not included in cumulative risk calculations.
2. \* = If concentrations in groundwater exceed the NC 2L Standards or IMAC, or concentrations in surface water exceed the NC 2B Standards, appropriate remediation and/or institutional control measures will be necessary to be eligible for a risk-based closure.
3. NM = Not modeled, required contaminant migration parameters were not entered.
4. NC = Pathway not calculated, user did not check this pathway as complete.

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: 821-LFGP-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<sup>3</sup>

| CAS #   | Chemical Name: | Soil Gas Concentration (ug/m <sup>3</sup> ) | Calculated Indoor Air Concentration (ug/m <sup>3</sup> ) | Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06 | Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2 | Calculated Carcinogenic Risk | Calculated Non-Carcinogenic Hazard Quotient |
|---------|----------------|---|--|---|---|------------------------------|---|
| 67-64-1 | Acetone        | 27  | 0.81   | -   | -   |                              |   |

|             |         |         |
|-------------|---------|---------|
| Cumulative: | 0.0E+00 | 0.0E+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:** NONCD0000821

**Exposure Unit ID:** 821-LFGP-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<sup>3</sup>

| CAS #   | Chemical Name: | Soil Gas Concentration (ug/m <sup>3</sup> ) | Calculated Indoor Air Concentration (ug/m <sup>3</sup> ) | Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06 | Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2 | Calculated Carcinogenic Risk | Calculated Non-Carcinogenic Hazard Quotient |
|---------|----------------|---|--|---|---|------------------------------|---|
| 67-64-1 | Acetone        | 27  | 0.27   | -   | -   |                              |   |

|             |         |         |
|-------------|---------|---------|
| Cumulative: | 0.0E+00 | 0.0E+00 |
|-------------|---------|---------|

## North Carolina Department of Environmental Quality Risk Calculator

|                          |   |
|--------------------------|---|
| <b>Version Date:</b>     | January 2025                                  |
| <b>Basis:</b>            | November 2024 EPA RSL Table                   |
| <b>Site Name:</b>        | City of Durham Parks - East Durham Park       |
| <b>Site Address:</b>     | 2500 East Main Street, Durham, North Carolina |
| <b>DEQ Section:</b>      | Pre-Regulatory Landfill Group                 |
| <b>Site ID:</b>          | NONCD0000821                                  |
| <b>Exposure Unit ID:</b> | 821-LFGP-5                                    |
| <b>Submittal Date:</b>   | 2/5/2026                                      |
| <b>Prepared By:</b>      | Clay Faircloth                                |
| <b>Reviewed By:</b>      | Jerry Paul                                    |

**Exposure Point Concentrations**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: 821-LFGP-5

**Soil Gas Exposure Point Concentration Table**

Description of Exposure Point Concentration Selection:

Note: Chemicals highlighted in orange are non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

| Exposure Point Concentration (ug/m <sup>3</sup> ) | 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 |
|---|--------|------------|---------------------|-----------------------------------|-----------------------------------|-------------------|-----------------------------------|---------------------|---------------------------|----------------------------------|------------------|--|--------------------------|---------------------------|-----------------|-------------------------------------|
| 5.8   |        | 127-18-4   | Tetrachloroethylene |                                   |                                   | ug/m <sup>3</sup> |                                   |                     |                           |                                  |                  |  |                          |                           |                 |                                     |

**Version Date:** January 2025

**Basis:** November 2024 EPA RSL Table

**Site ID:** NONCD0000821

**Exposure Unit ID:** 821-LFGP-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    | 1.6E-08           | 4.2E-03      | NO             |
|                        | Indoor Air                | NC                | NC           | NC             |
| Non-Residential Worker | Groundwater to Indoor Air | NC                | NC           | NC             |
|                        | Soil Gas to Indoor Air    | 1.2E-09           | 3.3E-04      | NO             |
|                        | Indoor Air                | NC                | NC           | NC             |

**CONTAMINANT MIGRATION CALCULATORS**

| Pathway       | Source             | Target Receptor Concentrations Exceeded? |    |
|---------------|--------------------|--|----|
| Groundwater   | Source Soil        | Exceedence of 2L at Receptor?            | NC |
|               | Source Groundwater | Exceedence of 2L at Receptor?            | NC |
| Surface Water | Source Soil        | Exceedence of 2B at Receptor?            | NC |
|               | Source Groundwater | Exceedence of 2B at Receptor?            | NC |

Notes:

1. If lead concentrations were entered in the exposure point concentration tables, see the individual calculator sheets for lead concentrations in comparison to screening levels. Note that lead is not included in cumulative risk calculations.
2. \* = If concentrations in groundwater exceed the NC 2L Standards or IMAC, or concentrations in surface water exceed the NC 2B Standards, appropriate remediation and/or institutional control measures will be necessary to be eligible for a risk-based closure.
3. NM = Not modeled, required contaminant migration parameters were not entered.
4. NC = Pathway not calculated, user did not check this pathway as complete.

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: 821-LFGP-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  $\mu\text{g}/\text{m}^3$

| CAS #    | Chemical Name:      | Soil Gas Concentration ( $\mu\text{g}/\text{m}^3$ ) | Calculated Indoor Air Concentration ( $\mu\text{g}/\text{m}^3$ ) | Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06 | Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2 | Calculated Carcinogenic Risk | Calculated Non-Carcinogenic Hazard Quotient |
|----------|---------------------|---|--|---|---|------------------------------|---|
| 127-18-4 | Tetrachloroethylene | 5.8   | 0.174  | 1.1E+01   | 8.3E+00   | 1.6E-08                      | 4.2E-03                                     |

|             |         |         |
|-------------|---------|---------|
| Cumulative: | 1.6E-08 | 4.2E-03 |
|-------------|---------|---------|

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: 821-LFGP-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<sup>3</sup>

| CAS #    | Chemical Name:      | Soil Gas Concentration (ug/m <sup>3</sup> ) | Calculated Indoor Air Concentration (ug/m <sup>3</sup> ) | Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06 | Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2 | Calculated Carcinogenic Risk | Calculated Non-Carcinogenic Hazard Quotient |
|----------|---------------------|---|--|---|---|------------------------------|---|
| 127-18-4 | Tetrachloroethylene | 5.8   | 0.058  | 4.7E+01   | 3.5E+01   | 1.2E-09                      | 3.3E-04                                     |

|             |         |         |
|-------------|---------|---------|
| Cumulative: | 1.2E-09 | 3.3E-04 |
|-------------|---------|---------|

## North Carolina Department of Environmental Quality Risk Calculator

|                          |   |
|--------------------------|---|
| <b>Version Date:</b>     | January 2025                                  |
| <b>Basis:</b>            | November 2024 EPA RSL Table                   |
| <b>Site Name:</b>        | City of Durham Parks - East Durham Park       |
| <b>Site Address:</b>     | 2500 East Main Street, Durham, North Carolina |
| <b>DEQ Section:</b>      | Pre-Regulatory Landfill Group                 |
| <b>Site ID:</b>          | NONCD0000821                                  |
| <b>Exposure Unit ID:</b> | 821-LFGP-9                                    |
| <b>Submittal Date:</b>   | 2/5/2026                                      |
| <b>Prepared By:</b>      | Clay Faircloth                                |
| <b>Reviewed By:</b>      | Jerry Paul                                    |

**Exposure Point Concentrations**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: 821-LFGP-9

**Soil Gas Exposure Point Concentration Table**

Description of Exposure Point Concentration Selection:

Note: Chemicals highlighted in orange are non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

| Exposure Point Concentration (ug/m <sup>3</sup> ) | 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  |        | 108-88-3   | Toluene  |                                   |                                   | ug/m <sup>3</sup> |                                   |                     |                           |                                  |                  |  |                          |                           |                 |                                     |

**Version Date:** January 2025

**Basis:** November 2024 EPA RSL Table

**Site ID:** NONCD0000821

**Exposure Unit ID:** 821-LFGP-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    | 0.0E+00           | 9.8E-05      | NO             |
|                        | Indoor Air                | NC                | NC           | NC             |
| Non-Residential Worker | Groundwater to Indoor Air | NC                | NC           | NC             |
|                        | Soil Gas to Indoor Air    | 0.0E+00           | 7.8E-06      | NO             |
|                        | Indoor Air                | NC                | NC           | NC             |

**CONTAMINANT MIGRATION CALCULATORS**

| Pathway       | Source             | Target Receptor Concentrations Exceeded? |    |
|---------------|--------------------|--|----|
| Groundwater   | Source Soil        | Exceedence of 2L at Receptor?            | NC |
|               | Source Groundwater | Exceedence of 2L at Receptor?            | NC |
| Surface Water | Source Soil        | Exceedence of 2B at Receptor?            | NC |
|               | Source Groundwater | Exceedence of 2B at Receptor?            | NC |

- Notes:
1. If lead concentrations were entered in the exposure point concentration tables, see the individual calculator sheets for lead concentrations in comparison to screening levels. Note that lead is not included in cumulative risk calculations.
  2. \* = If concentrations in groundwater exceed the NC 2L Standards or IMAC, or concentrations in surface water exceed the NC 2B Standards, appropriate remediation and/or institutional control measures will be necessary to be eligible for a risk-based closure.
  3. NM = Not modeled, required contaminant migration parameters were not entered.
  4. NC = Pathway not calculated, user did not check this pathway as complete.

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: 821-LFGP-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  $\mu\text{g}/\text{m}^3$

| CAS #    | Chemical Name: | Soil Gas Concentration ( $\mu\text{g}/\text{m}^3$ ) | Calculated Indoor Air Concentration ( $\mu\text{g}/\text{m}^3$ ) | Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06 | Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2 | Calculated Carcinogenic Risk | Calculated Non-Carcinogenic Hazard Quotient |
|----------|----------------|---|--|---|---|------------------------------|---|
| 108-88-3 | Toluene        | 17  | 0.51   | -   | 1.0E+03   |                              | 9.8E-05                                     |

|             |         |         |
|-------------|---------|---------|
| Cumulative: | 0.0E+00 | 9.8E-05 |
|-------------|---------|---------|

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: 821-LFGP-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<sup>3</sup>

| CAS #    | Chemical Name: | Soil Gas Concentration (ug/m <sup>3</sup> ) | Calculated Indoor Air Concentration (ug/m <sup>3</sup> ) | 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 |
|----------|----------------|---|--|---|---|------------------------------|---|
| 108-88-3 | Toluene        | 17  | 0.17   | -   | 4.4E+03   |                              | 7.8E-06                                     |

|             |         |         |
|-------------|---------|---------|
| Cumulative: | 0.0E+00 | 7.8E-06 |
|-------------|---------|---------|

## North Carolina Department of Environmental Quality Risk Calculator

|                          |   |
|--------------------------|---|
| <b>Version Date:</b>     | January 2025                                  |
| <b>Basis:</b>            | November 2024 EPA RSL Table                   |
| <b>Site Name:</b>        | City of Durham Parks - East Durham Park       |
| <b>Site Address:</b>     | 2500 East Main Street, Durham, North Carolina |
| <b>DEQ Section:</b>      | Pre-Regulatory Landfill Group                 |
| <b>Site ID:</b>          | NONCD0000821                                  |
| <b>Exposure Unit ID:</b> | SW-1  |
| <b>Submittal Date:</b>   | 1/27/2026                                     |
| <b>Prepared By:</b>      | Clay Faircloth                                |
| <b>Reviewed By:</b>      | Jerry Paul                                    |

Exposure Point Concentrations

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD000821

Exposure Unit ID: SW-1

Surface Water Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

**NOTE: If the chemical list is changed from a prior calculator run, remember to select "See All Chemicals" on the data output sheet or newly added chemicals will not be included in risk calculations**

| Exposure Point Concentration (ug/L) | Notes: | CAS Number | Chemical                       | Minimum Concentration (Qualifier) | Maximum Concentration (Qualifier) | Units | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Concentration Used for Screening | Background Value | Screening Toxicity Value (Screening Level) (n/c) | Potential ARAR/TBC Value | Potential ARAR/TBC Source | COPC Flag (Y/N) | Rationale for Selection or Deletion |
|-------------------------------------|--------|------------|--------------------------------|-----------------------------------|-----------------------------------|-------|-----------------------------------|---------------------|---------------------------|----------------------------------|------------------|--|--------------------------|---------------------------|-----------------|-------------------------------------|
| 65                                  |        | 7664-41-7  | Ammonia                        |                                   |                                   | ug/L  | 101625-Dup-SW                     |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 1.44                                | J      | 7440-38-2  | Arsenic, Inorganic             |                                   |                                   | ug/L  | 101625-Dup-SW                     |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 47.5                                |        | 7440-39-3  | Barium                         |                                   |                                   | ug/L  | 101625-Dup-SW                     |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.65                                | J      | 7440-48-4  | Cobalt                         |                                   |                                   | ug/L  | 101625-Dup-SW                     |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 4.84                                |        | 7440-50-8  | Copper                         |                                   |                                   | ug/L  | 101625-Dup-SW                     |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 1.69                                |        | 7439-92-1  | -Lead and Compounds            |                                   |                                   | ug/L  | 101625-Dup-SW                     |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 120                                 |        | 7439-96-5  | Manganese (Non-diet)           |                                   |                                   | ug/L  | 101625-Dup-SW                     |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 2.54                                | J      | 7440-02-0  | Nickel Soluble Salts           |                                   |                                   | ug/L  | SW-1                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 89                                  | J      | 14797-55-8 | Nitrate (measured as nitrogen) |                                   |                                   | ug/L  | SW-1                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 1.41                                | J      | 7440-62-2  | Vanadium and Compounds         |                                   |                                   | ug/L  | 101625-Dup-SW                     |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 18.8                                |        | 7440-66-6  | Zinc and Compounds             |                                   |                                   | ug/L  | 101625-Dup-SW                     |                     |                           |                                  |                  |  |                          |                           |                 |                                     |

**Version Date:** January 2025

**Basis:** November 2024 EPA RSL Table

**Site ID:** NONCD0000821

**Exposure Unit ID:** 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*   | 1.3E-06           | 8.1E-02      | NO             |

**VAPOR INTRUSION CALCULATORS**

| Receptor               | Pathway                   | Carcinogenic Risk | Hazard Index | Risk exceeded? |
|------------------------|---------------------------|-------------------|--------------|----------------|
| Resident               | Groundwater to Indoor Air | NC                | NC           | NC             |
|                        | Soil Gas to Indoor Air    | NC                | NC           | NC             |
|                        | Indoor Air                | NC                | NC           | NC             |
| Non-Residential Worker | Groundwater to Indoor Air | NC                | NC           | NC             |
|                        | Soil Gas to Indoor Air    | NC                | NC           | NC             |
|                        | Indoor Air                | NC                | NC           | NC             |

**CONTAMINANT MIGRATION CALCULATORS**

| Pathway       | Source             | Target Receptor Concentrations Exceeded? |    |
|---------------|--------------------|--|----|
| Groundwater   | Source Soil        | Exceedence of 2L at Receptor?            | NC |
|               | Source Groundwater | Exceedence of 2L at Receptor?            | NC |
| Surface Water | Source Soil        | Exceedence of 2B at Receptor?            | NC |
|               | Source Groundwater | Exceedence of 2B at Receptor?            | NC |

- Notes:
1. If lead concentrations were entered in the exposure point concentration tables, see the individual calculator sheets for lead concentrations in comparison to screening levels. Note that lead is not included in cumulative risk calculations.
  2. \* = If concentrations in groundwater exceed the NC 2L Standards or IMAC, or concentrations in surface water exceed the NC 2B Standards, appropriate remediation and/or institutional control measures will be necessary to be eligible for a risk-based closure.
  3. NM = Not modeled, required contaminant migration parameters were not entered.
  4. NC = Pathway not calculated, user did not check this pathway as complete.

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: SW-1

Receptor Type:

| CAS #      | Chemical Name:                 | Ingestion Concentration (ug/L) | Dermal Concentration (ug/L) | Ingestion Carcinogenic Risk | Dermal Contact Carcinogenic Risk | Calculated Carcinogenic Risk | Ingestion Hazard Quotient | Dermal Contact Hazard Quotient | Calculated Non-Carcinogenic Hazard Quotient |
|------------|--------------------------------|--------------------------------|-----------------------------|-----------------------------|----------------------------------|------------------------------|---------------------------|--------------------------------|---|
| 7664-41-7  | Ammonia                        | 65                             | 65                          |                             |                                  |                              |                           |                                |   |
| 7440-38-2  | Arsenic, Inorganic             | 1.44                           | 1.44                        | <b>1.1E-06</b>              | 1.1E-07                          | <b>1.3E-06</b>               | 1.9E-02                   | 1.0E-03                        | 2.0E-02                                     |
| 7440-39-3  | Barium                         | 47.5                           | 47.5                        |                             |                                  |                              | 9.4E-04                   | 7.1E-04                        | 1.6E-03                                     |
| 7440-48-4  | Cobalt                         | 0.65                           | 0.65                        |                             |                                  |                              | 8.5E-03                   | 1.8E-04                        | 8.7E-03                                     |
| 7440-50-8  | Copper                         | 4.84                           | 4.84                        |                             |                                  |                              | 4.8E-04                   | 2.5E-05                        | 5.0E-04                                     |
| 7439-92-1  | ~Lead and Compounds            | 1.69                           | 1.69                        |                             |                                  |                              |                           |                                |   |
| 7439-96-5  | Manganese (Non-diet)           | 120                            | 120                         |                             |                                  |                              | 2.0E-02                   | 2.6E-02                        | 4.6E-02                                     |
| 7440-02-0  | Nickel Soluble Salts           | 2.54                           | 2.54                        |                             |                                  |                              | 5.0E-04                   | 1.3E-04                        | 6.3E-04                                     |
| 14797-55-8 | Nitrate (measured as nitrogen) | 89                             | 89                          |                             |                                  |                              | 2.2E-04                   | 1.2E-05                        | 2.3E-04                                     |
| 7440-62-2  | Vanadium and Compounds         | 1.41                           | 1.41                        |                             |                                  |                              | 1.1E-03                   | 2.3E-03                        | 3.4E-03                                     |
| 7440-66-6  | Zinc and Compounds             | 18.8                           | 18.8                        |                             |                                  |                              | 2.5E-04                   | 7.9E-06                        | 2.6E-04                                     |

Cumulative: 1.3E-06

8.1E-02

## North Carolina Department of Environmental Quality Risk Calculator

|                          |   |
|--------------------------|---|
| <b>Version Date:</b>     | January 2025                                  |
| <b>Basis:</b>            | November 2024 EPA RSL Table                   |
| <b>Site Name:</b>        | City of Durham Parks - East Durham Park       |
| <b>Site Address:</b>     | 2500 East Main Street, Durham, North Carolina |
| <b>DEQ Section:</b>      | Pre-Regulatory Landfill Group                 |
| <b>Site ID:</b>          | NONCD0000821                                  |
| <b>Exposure Unit ID:</b> | SW-2  |
| <b>Submittal Date:</b>   | 2/17/2026                                     |
| <b>Prepared By:</b>      | Clay Faircloth<br>Jennifer Petzold            |
| <b>Reviewed By:</b>      | Jerry Paul                                    |

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: SW-2

Surface Water Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

**NOTE: If the chemical list is changed from a prior calculator run, remember to select "See All Chemicals" on the data output sheet or newly added chemicals will not be included in risk calculations**

| Exposure Point Concentration (ug/L) | Notes | CAS Number | Chemical                       | Minimum Concentration (Qualifier) | Maximum Concentration (Qualifier) | Units | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Concentration Used for Screening | Background Value | Screening Toxicity Value (Screening Level) (n/c) | Potential ARAR/TBC Value | Potential ARAR/TBC Source | COPC Flag (Y/N) | Rationale for Selection or Deletion |
|-------------------------------------|-------|------------|--------------------------------|-----------------------------------|-----------------------------------|-------|-----------------------------------|---------------------|---------------------------|----------------------------------|------------------|--|--------------------------|---------------------------|-----------------|-------------------------------------|
| 1.84                                | J     | 7440-38-2  | Arsenic, Inorganic             |                                   |                                   | ug/L  | SW-2                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 52.5                                |       | 7440-39-3  | Barium                         |                                   |                                   | ug/L  | SW-2                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.606                               | J     | 7440-48-4  | Cobalt                         |                                   |                                   | ug/L  | SW-2                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 4.65                                |       | 7440-50-8  | Copper                         |                                   |                                   | ug/L  | SW-2                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 1.52                                |       | 7439-92-1  | ~Lead and Compounds            |                                   |                                   | ug/L  | SW-2                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 86                                  |       | 7439-96-5  | Manganese (Non-diet)           |                                   |                                   | ug/L  | SW-2                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 2.42                                | J     | 7440-02-0  | Nickel Soluble Salts           |                                   |                                   | ug/L  | SW-2                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 32.8                                |       | 14797-55-8 | Nitrate (measured as nitrogen) |                                   |                                   | ug/L  | SW-1                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 1.63                                | J     | 7440-62-2  | Vanadium and Compounds         |                                   |                                   | ug/L  | SW-2                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 29.7                                |       | 7440-66-6  | Zinc and Compounds             |                                   |                                   | ug/L  | SW-2                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |

**Version Date: January 2025**

**Basis: November 2024 EPA RSL Table**

**Site ID: NONCD0000821**

**Exposure Unit ID: SW-2**

**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-06           | 7.4E-02      | NO             |

**VAPOR INTRUSION CALCULATORS**

| Receptor               | Pathway                   | Carcinogenic Risk | Hazard Index | Risk exceeded? |
|------------------------|---------------------------|-------------------|--------------|----------------|
| Resident               | Groundwater to Indoor Air | NC                | NC           | NC             |
|                        | Soil Gas to Indoor Air    | NC                | NC           | NC             |
|                        | Indoor Air                | NC                | NC           | NC             |
| Non-Residential Worker | Groundwater to Indoor Air | NC                | NC           | NC             |
|                        | Soil Gas to Indoor Air    | NC                | NC           | NC             |
|                        | Indoor Air                | NC                | NC           | NC             |

**CONTAMINANT MIGRATION CALCULATORS**

| Pathway       | Source             | Target Receptor Concentrations Exceeded? |    |
|---------------|--------------------|--|----|
| Groundwater   | Source Soil        | Exceedence of 2L at Receptor?            | NC |
|               | Source Groundwater | Exceedence of 2L at Receptor?            | NC |
| Surface Water | Source Soil        | Exceedence of 2B at Receptor?            | NC |
|               | Source Groundwater | Exceedence of 2B at Receptor?            | NC |

**Notes:**

1. If lead concentrations were entered in the exposure point concentration tables, see the individual calculator sheets for lead concentrations in comparison to screening levels. Note that lead is not included in cumulative risk calculations.
2. \* = If concentrations in groundwater exceed the NC 2L Standards or IMAC, or concentrations in surface water exceed the NC 2B Standards, appropriate remediation and/or institutional control measures will be necessary to be eligible for a risk-based closure.
3. NM = Not modeled, required contaminant migration parameters were not entered.
4. NC = Pathway not calculated, user did not check this pathway as complete.

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: SW-2

Receptor Type:

| CAS #      | Chemical Name:                 | Ingestion Concentration (ug/L) | Dermal Concentration (ug/L) | Ingestion Carcinogenic Risk | Dermal Contact Carcinogenic Risk | Calculated Carcinogenic Risk | Ingestion Hazard Quotient | Dermal Contact Hazard Quotient | Calculated Non-Carcinogenic Hazard Quotient |
|------------|--------------------------------|--------------------------------|-----------------------------|-----------------------------|----------------------------------|------------------------------|---------------------------|--------------------------------|---|
| 7440-38-2  | Arsenic, Inorganic             | 1.84                           | 1.84                        | 1.5E-06                     | 1.5E-07                          | 1.6E-06                      | 2.4E-02                   | 1.3E-03                        | 2.5E-02                                     |
| 7440-39-3  | Barium                         | 52.5                           | 52.5                        |                             |                                  |                              | 1.0E-03                   | 7.8E-04                        | 1.8E-03                                     |
| 7440-48-4  | Cobalt                         | 0.606                          | 0.606                       |                             |                                  |                              | 8.0E-03                   | 1.7E-04                        | 8.1E-03                                     |
| 7440-50-8  | Copper                         | 4.65                           | 4.65                        |                             |                                  |                              | 4.6E-04                   | 2.4E-05                        | 4.8E-04                                     |
| 7439-92-1  | ~Lead and Compounds            | 1.52                           | 1.52                        |                             |                                  |                              |                           |                                |   |
| 7439-96-5  | Manganese (Non-diet)           | 86                             | 86                          |                             |                                  |                              | 1.4E-02                   | 1.9E-02                        | 3.3E-02                                     |
| 7440-02-0  | Nickel Soluble Salts           | 2.42                           | 2.42                        |                             |                                  |                              | 4.8E-04                   | 1.3E-04                        | 6.0E-04                                     |
| 14797-55-8 | Nitrate (measured as nitrogen) | 32.8                           | 32.8                        |                             |                                  |                              | 8.1E-05                   | 4.3E-06                        | 8.5E-05                                     |
| 7440-62-2  | Vanadium and Compounds         | 1.63                           | 1.63                        |                             |                                  |                              | 1.3E-03                   | 2.6E-03                        | 3.9E-03                                     |
| 7440-66-6  | Zinc and Compounds             | 29.7                           | 29.7                        |                             |                                  |                              | 3.9E-04                   | 1.2E-05                        | 4.0E-04                                     |

Cumulative: 1.6E-06

7.4E-02

## North Carolina Department of Environmental Quality Risk Calculator

|                          |   |
|--------------------------|---|
| <b>Version Date:</b>     | January 2025                                  |
| <b>Basis:</b>            | November 2024 EPA RSL Table                   |
| <b>Site Name:</b>        | City of Durham Parks - East Durham Park       |
| <b>Site Address:</b>     | 2500 East Main Street, Durham, North Carolina |
| <b>DEQ Section:</b>      | Pre-Regulatory Landfill Group                 |
| <b>Site ID:</b>          | NONCD0000821                                  |
| <b>Exposure Unit ID:</b> | SW-3  |
| <b>Submittal Date:</b>   | 1/27/2026                                     |
| <b>Prepared By:</b>      | Clay Faircloth                                |
| <b>Reviewed By:</b>      | Jerry Paul                                    |

Exposure Point Concentrations

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD000821

Exposure Unit ID: SW-3

Surface Water Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

**NOTE: If the chemical list is changed from a prior calculator run, remember to select "See All Chemicals" on the data output sheet or newly added chemicals will not be included in risk calculations**

| Exposure Point Concentration (ug/L) | Notes: | CAS Number | Chemical               | Minimum Concentration (Qualifier) | Maximum Concentration (Qualifier) | Units | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Concentration Used for Screening | Background Value | Screening Toxicity Value (Screening Level) (n/c) | Potential ARAR/TBC Value | Potential ARAR/TBC Source | COPC Flag (Y/N) | Rationale for Selection or Deletion |
|-------------------------------------|--------|------------|------------------------|-----------------------------------|-----------------------------------|-------|-----------------------------------|---------------------|---------------------------|----------------------------------|------------------|--|--------------------------|---------------------------|-----------------|-------------------------------------|
| 63                                  |        | 7664-41-7  | Ammonia                |                                   |                                   | ug/L  | SW-3                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 1.48                                | J      | 7440-38-2  | Arsenic, Inorganic     |                                   |                                   | ug/L  | SW-3                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 56.5                                |        | 7440-39-3  | Barium                 |                                   |                                   | ug/L  | SW-3                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.58                                | J      | 7440-48-4  | Cobalt                 |                                   |                                   | ug/L  | SW-3                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 4.23                                |        | 7440-50-8  | Copper                 |                                   |                                   | ug/L  | SW-3                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 1.46                                |        | 7439-92-1  | ~Lead and Compounds    |                                   |                                   | ug/L  | SW-3                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 150                                 |        | 7439-96-5  | Manganese (Non-diet)   |                                   |                                   | ug/L  | SW-3                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 2.5                                 | J      | 7440-02-0  | Nickel Soluble Salts   |                                   |                                   | ug/L  | SW-3                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 1.4                                 | J      | 7440-62-2  | Vanadium and Compounds |                                   |                                   | ug/L  | SW-3                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 18.3                                |        | 7440-66-6  | Zinc and Compounds     |                                   |                                   | ug/L  | SW-3                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |

**Version Date:** January 2025

**Basis:** November 2024 EPA RSL Table

**Site ID:** NONCD0000821

**Exposure Unit ID:** 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*   | 1.3E-06           | 9.2E-02      | NO             |

**VAPOR INTRUSION CALCULATORS**

| Receptor               | Pathway                   | Carcinogenic Risk | Hazard Index | Risk exceeded? |
|------------------------|---------------------------|-------------------|--------------|----------------|
| Resident               | Groundwater to Indoor Air | NC                | NC           | NC             |
|                        | Soil Gas to Indoor Air    | NC                | NC           | NC             |
|                        | Indoor Air                | NC                | NC           | NC             |
| Non-Residential Worker | Groundwater to Indoor Air | NC                | NC           | NC             |
|                        | Soil Gas to Indoor Air    | NC                | NC           | NC             |
|                        | Indoor Air                | NC                | NC           | NC             |

**CONTAMINANT MIGRATION CALCULATORS**

| Pathway       | Source             | Target Receptor Concentrations Exceeded? |    |
|---------------|--------------------|--|----|
| Groundwater   | Source Soil        | Exceedence of 2L at Receptor?            | NC |
|               | Source Groundwater | Exceedence of 2L at Receptor?            | NC |
| Surface Water | Source Soil        | Exceedence of 2B at Receptor?            | NC |
|               | Source Groundwater | Exceedence of 2B at Receptor?            | NC |

- Notes:
1. If lead concentrations were entered in the exposure point concentration tables, see the individual calculator sheets for lead concentrations in comparison to screening levels. Note that lead is not included in cumulative risk calculations.
  2. \* = If concentrations in groundwater exceed the NC 2L Standards or IMAC, or concentrations in surface water exceed the NC 2B Standards, appropriate remediation and/or institutional control measures will be necessary to be eligible for a risk-based closure.
  3. NM = Not modeled, required contaminant migration parameters were not entered.
  4. NC = Pathway not calculated, user did not check this pathway as complete.

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: SW-3

Receptor Type:

| CAS #     | Chemical Name:         | Ingestion Concentration (ug/L) | Dermal Concentration (ug/L) | Ingestion Carcinogenic Risk | Dermal Contact Carcinogenic Risk | Calculated Carcinogenic Risk | Ingestion Hazard Quotient | Dermal Contact Hazard Quotient | Calculated Non-Carcinogenic Hazard Quotient |
|-----------|------------------------|--------------------------------|-----------------------------|-----------------------------|----------------------------------|------------------------------|---------------------------|--------------------------------|---|
| 7664-41-7 | Ammonia                | 63                             | 63                          |                             |                                  |                              |                           |                                |   |
| 7440-38-2 | Arsenic, Inorganic     | 1.48                           | 1.48                        | <b>1.2E-06</b>              | 1.2E-07                          | <b>1.3E-06</b>               | 1.9E-02                   | 1.0E-03                        | 2.0E-02                                     |
| 7440-39-3 | Barium                 | 56.5                           | 56.5                        |                             |                                  |                              | 1.1E-03                   | 8.4E-04                        | 2.0E-03                                     |
| 7440-48-4 | Cobalt                 | 0.58                           | 0.58                        |                             |                                  |                              | 7.6E-03                   | 1.6E-04                        | 7.8E-03                                     |
| 7440-50-8 | Copper                 | 4.23                           | 4.23                        |                             |                                  |                              | 4.2E-04                   | 2.2E-05                        | 4.4E-04                                     |
| 7439-92-1 | ~Lead and Compounds    | 1.46                           | 1.46                        |                             |                                  |                              |                           |                                |   |
| 7439-96-5 | Manganese (Non-diet)   | 150                            | 150                         |                             |                                  |                              | 2.5E-02                   | 3.3E-02                        | 5.7E-02                                     |
| 7440-02-0 | Nickel Soluble Salts   | 2.5                            | 2.5                         |                             |                                  |                              | 4.9E-04                   | 1.3E-04                        | 6.2E-04                                     |
| 7440-62-2 | Vanadium and Compounds | 1.4                            | 1.4                         |                             |                                  |                              | 1.1E-03                   | 2.2E-03                        | 3.3E-03                                     |
| 7440-66-6 | Zinc and Compounds     | 18.3                           | 18.3                        |                             |                                  |                              | 2.4E-04                   | 7.7E-06                        | 2.5E-04                                     |

Cumulative: 1.3E-06

9.2E-02

## North Carolina Department of Environmental Quality Risk Calculator

|                          |   |
|--------------------------|---|
| <b>Version Date:</b>     | January 2025                                  |
| <b>Basis:</b>            | November 2024 EPA RSL Table                   |
| <b>Site Name:</b>        | City of Durham Parks - East Durham Park       |
| <b>Site Address:</b>     | 2500 East Main Street, Durham, North Carolina |
| <b>DEQ Section:</b>      | Pre-Regulatory Landfill Group                 |
| <b>Site ID:</b>          | NONCD0000821                                  |
| <b>Exposure Unit ID:</b> | SW-4  |
| <b>Submittal Date:</b>   | 1/27/2026                                     |
| <b>Prepared By:</b>      | Clay Faircloth                                |
| <b>Reviewed By:</b>      | Jerry Paul                                    |

Exposure Point Concentrations

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD000821

Exposure Unit ID: SW-4

Surface Water Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

**NOTE: If the chemical list is changed from a prior calculator run, remember to select "See All Chemicals" on the data output sheet or newly added chemicals will not be included in risk calculations**

| Exposure Point Concentration (ug/L) | Notes: | CAS Number | Chemical               | Minimum Concentration (Qualifier) | Maximum Concentration (Qualifier) | Units | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Concentration Used for Screening | Background Value | Screening Toxicity Value (Screening Level) (n/c) | Potential ARAR/TBC Value | Potential ARAR/TBC Source | COPC Flag (Y/N) | Rationale for Selection or Deletion |
|-------------------------------------|--------|------------|------------------------|-----------------------------------|-----------------------------------|-------|-----------------------------------|---------------------|---------------------------|----------------------------------|------------------|--|--------------------------|---------------------------|-----------------|-------------------------------------|
| 1.48                                | J      | 7440-38-2  | Arsenic, Inorganic     |                                   |                                   | ug/L  | SW-4                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 62.6                                |        | 7440-39-3  | Barium                 |                                   |                                   | ug/L  | SW-4                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.792                               | J      | 7440-48-4  | Cobalt                 |                                   |                                   | ug/L  | SW-4                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 2.89                                |        | 7440-50-8  | Copper                 |                                   |                                   | ug/L  | SW-4                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 1.92                                |        | 7439-92-1  | ~Lead and Compounds    |                                   |                                   | ug/L  | SW-4                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 333                                 |        | 7439-96-5  | Manganese (Non-diet)   |                                   |                                   | ug/L  | SW-4                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 2.01                                | J      | 7440-02-0  | Nickel Soluble Salts   |                                   |                                   | ug/L  | SW-4                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 1.51                                | J      | 7440-62-2  | Vanadium and Compounds |                                   |                                   | ug/L  | SW-4                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 12.8                                |        | 7440-66-6  | Zinc and Compounds     |                                   |                                   | ug/L  | SW-4                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |

**Version Date:** January 2025

**Basis:** November 2024 EPA RSL Table

**Site ID:** NONCD0000821

**Exposure Unit ID:** SW-4

**DIRECT CONTACT SOIL AND WATER CALCULATORS**

| Receptor               | Pathway          | Carcinogenic Risk | Hazard Index | Risk exceeded? |
|------------------------|------------------|-------------------|--------------|----------------|
| Resident               | Soil             | NC                | NC           | NC             |
|                        | Groundwater Use* | NC                | NC           | NC             |
| Non-Residential Worker | Soil             | NC                | NC           | NC             |
|                        | Groundwater Use* | NC                | NC           | NC             |
| Construction Worker    | Soil             | NC                | NC           | NC             |
| Recreator/Trespasser   | Soil             | NC                | NC           | NC             |
|                        | Surface Water*   | 1.3E-06           | 1.7E-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.

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: SW-4

Receptor Type:

| CAS #     | Chemical Name:         | Ingestion Concentration (ug/L) | Dermal Concentration (ug/L) | Ingestion Carcinogenic Risk | Dermal Contact Carcinogenic Risk | Calculated Carcinogenic Risk | Ingestion Hazard Quotient | Dermal Contact Hazard Quotient | Calculated Non-Carcinogenic Hazard Quotient |
|-----------|------------------------|--------------------------------|-----------------------------|-----------------------------|----------------------------------|------------------------------|---------------------------|--------------------------------|---|
| 7440-38-2 | Arsenic, Inorganic     | 1.48                           | 1.48                        | 1.2E-06                     | 1.2E-07                          | 1.3E-06                      | 1.9E-02                   | 1.0E-03                        | 2.0E-02                                     |
| 7440-39-3 | Barium                 | 62.6                           | 62.6                        |                             |                                  |                              | 1.2E-03                   | 9.4E-04                        | 2.2E-03                                     |
| 7440-48-4 | Cobalt                 | 0.792                          | 0.792                       |                             |                                  |                              | 1.0E-02                   | 2.2E-04                        | 1.1E-02                                     |
| 7440-50-8 | Copper                 | 2.89                           | 2.89                        |                             |                                  |                              | 2.9E-04                   | 1.5E-05                        | 3.0E-04                                     |
| 7439-92-1 | ~Lead and Compounds    | 1.92                           | 1.92                        |                             |                                  |                              |                           |                                |   |
| 7439-96-5 | Manganese (Non-diet)   | 333                            | 333                         |                             |                                  |                              | 5.5E-02                   | 7.3E-02                        | 1.3E-01                                     |
| 7440-02-0 | Nickel Soluble Salts   | 2.01                           | 2.01                        |                             |                                  |                              | 4.0E-04                   | 1.1E-04                        | 5.0E-04                                     |
| 7440-62-2 | Vanadium and Compounds | 1.51                           | 1.51                        |                             |                                  |                              | 1.2E-03                   | 2.4E-03                        | 3.6E-03                                     |
| 7440-66-6 | Zinc and Compounds     | 12.8                           | 12.8                        |                             |                                  |                              | 1.7E-04                   | 5.4E-06                        | 1.7E-04                                     |

Cumulative: 1.3E-06

1.7E-01

## North Carolina Department of Environmental Quality Risk Calculator

|                          |   |
|--------------------------|---|
| <b>Version Date:</b>     | January 2025                                  |
| <b>Basis:</b>            | November 2024 EPA RSL Table                   |
| <b>Site Name:</b>        | City of Durham Parks - East Durham Park       |
| <b>Site Address:</b>     | 2500 East Main Street, Durham, North Carolina |
| <b>DEQ Section:</b>      | Pre-Regulatory Landfill Group                 |
| <b>Site ID:</b>          | NONCD0000821                                  |
| <b>Exposure Unit ID:</b> | SW-5  |
| <b>Submittal Date:</b>   | 1/27/2026                                     |
| <b>Prepared By:</b>      | Clay Faircloth                                |
| <b>Reviewed By:</b>      | Jerry Paul                                    |

Exposure Point Concentrations

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD000821

Exposure Unit ID: SW-5

Surface Water Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

**NOTE: If the chemical list is changed from a prior calculator run, remember to select "See All Chemicals" on the data output sheet or newly added chemicals will not be included in risk calculations**

| Exposure Point Concentration (ug/L) | Notes: | CAS Number | Chemical               | Minimum Concentration (Qualifier) | Maximum Concentration (Qualifier) | Units | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Concentration Used for Screening | Background Value | Screening Toxicity Value (Screening Level) (n/c) | Potential ARAR/TBC Value | Potential ARAR/TBC Source | COPC Flag (Y/N) | Rationale for Selection or Deletion |
|-------------------------------------|--------|------------|------------------------|-----------------------------------|-----------------------------------|-------|-----------------------------------|---------------------|---------------------------|----------------------------------|------------------|--|--------------------------|---------------------------|-----------------|-------------------------------------|
| 1.58                                | J      | 7440-38-2  | Arsenic, Inorganic     |                                   |                                   | ug/L  | SW-5                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 66.6                                |        | 7440-39-3  | Barium                 |                                   |                                   | ug/L  | SW-5                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.59                                | J      | 7440-48-4  | Cobalt                 |                                   |                                   | ug/L  | SW-5                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 4.69                                |        | 7440-50-8  | Copper                 |                                   |                                   | ug/L  | SW-5                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 3.05                                |        | 7439-92-1  | -Lead and Compounds    |                                   |                                   | ug/L  | SW-5                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 181                                 |        | 7439-96-5  | Manganese (Non-diet)   |                                   |                                   | ug/L  | SW-5                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 1.8                                 | J      | 7440-02-0  | Nickel Soluble Salts   |                                   |                                   | ug/L  | SW-5                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 1.33                                | J      | 7440-62-2  | Vanadium and Compounds |                                   |                                   | ug/L  | SW-5                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 17.6                                |        | 7440-66-6  | Zinc and Compounds     |                                   |                                   | ug/L  | SW-5                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |

**Version Date:** January 2025

**Basis:** November 2024 EPA RSL Table

**Site ID:** NONCD0000821

**Exposure Unit ID:** SW-5

**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*   | 1.4E-06           | 1.1E-01      | NO             |

**VAPOR INTRUSION CALCULATORS**

| Receptor               | Pathway                   | Carcinogenic Risk | Hazard Index | Risk exceeded? |
|------------------------|---------------------------|-------------------|--------------|----------------|
| Resident               | Groundwater to Indoor Air | NC                | NC           | NC             |
|                        | Soil Gas to Indoor Air    | NC                | NC           | NC             |
|                        | Indoor Air                | NC                | NC           | NC             |
| Non-Residential Worker | Groundwater to Indoor Air | NC                | NC           | NC             |
|                        | Soil Gas to Indoor Air    | NC                | NC           | NC             |
|                        | Indoor Air                | NC                | NC           | NC             |

**CONTAMINANT MIGRATION CALCULATORS**

| Pathway       | Source             | Target Receptor Concentrations Exceeded? |    |
|---------------|--------------------|--|----|
| Groundwater   | Source Soil        | Exceedence of 2L at Receptor?            | NC |
|               | Source Groundwater | Exceedence of 2L at Receptor?            | NC |
| Surface Water | Source Soil        | Exceedence of 2B at Receptor?            | NC |
|               | Source Groundwater | Exceedence of 2B at Receptor?            | NC |

- Notes:
1. If lead concentrations were entered in the exposure point concentration tables, see the individual calculator sheets for lead concentrations in comparison to screening levels. Note that lead is not included in cumulative risk calculations.
  2. \* = If concentrations in groundwater exceed the NC 2L Standards or IMAC, or concentrations in surface water exceed the NC 2B Standards, appropriate remediation and/or institutional control measures will be necessary to be eligible for a risk-based closure.
  3. NM = Not modeled, required contaminant migration parameters were not entered.
  4. NC = Pathway not calculated, user did not check this pathway as complete.

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: SW-5

Receptor Type:

| CAS #     | Chemical Name:         | Ingestion Concentration (ug/L) | Dermal Concentration (ug/L) | Ingestion Carcinogenic Risk | Dermal Contact Carcinogenic Risk | Calculated Carcinogenic Risk | Ingestion Hazard Quotient | Dermal Contact Hazard Quotient | Calculated Non-Carcinogenic Hazard Quotient |
|-----------|------------------------|--------------------------------|-----------------------------|-----------------------------|----------------------------------|------------------------------|---------------------------|--------------------------------|---|
| 7440-38-2 | Arsenic, Inorganic     | 1.58                           | 1.58                        | <b>1.3E-06</b>              | 1.2E-07                          | <b>1.4E-06</b>               | 2.1E-02                   | 1.1E-03                        | 2.2E-02                                     |
| 7440-39-3 | Barium                 | 66.6                           | 66.6                        |                             |                                  |                              | 1.3E-03                   | 1.0E-03                        | 2.3E-03                                     |
| 7440-48-4 | Cobalt                 | 0.59                           | 0.59                        |                             |                                  |                              | 7.8E-03                   | 1.6E-04                        | 7.9E-03                                     |
| 7440-50-8 | Copper                 | 4.69                           | 4.69                        |                             |                                  |                              | 4.6E-04                   | 2.5E-05                        | 4.9E-04                                     |
| 7439-92-1 | ~Lead and Compounds    | 3.05                           | 3.05                        |                             |                                  |                              |                           |                                |   |
| 7439-96-5 | Manganese (Non-diet)   | 181                            | 181                         |                             |                                  |                              | 3.0E-02                   | 3.9E-02                        | 6.9E-02                                     |
| 7440-02-0 | Nickel Soluble Salts   | 1.8                            | 1.8                         |                             |                                  |                              | 3.6E-04                   | 9.4E-05                        | 4.5E-04                                     |
| 7440-62-2 | Vanadium and Compounds | 1.33                           | 1.33                        |                             |                                  |                              | 1.0E-03                   | 2.1E-03                        | 3.2E-03                                     |
| 7440-66-6 | Zinc and Compounds     | 17.6                           | 17.6                        |                             |                                  |                              | 2.3E-04                   | 7.4E-06                        | 2.4E-04                                     |

Cumulative: 1.4E-06

1.1E-01

## North Carolina Department of Environmental Quality Risk Calculator

|                          |   |
|--------------------------|---|
| <b>Version Date:</b>     | January 2025                                  |
| <b>Basis:</b>            | November 2024 EPA RSL Table                   |
| <b>Site Name:</b>        | City of Durham Parks - East Durham Park       |
| <b>Site Address:</b>     | 2500 East Main Street, Durham, North Carolina |
| <b>DEQ Section:</b>      | Pre-Regulatory Landfill Group                 |
| <b>Site ID:</b>          | NONCD0000821                                  |
| <b>Exposure Unit ID:</b> | SW-6  |
| <b>Submittal Date:</b>   | 1/27/2026                                     |
| <b>Prepared By:</b>      | Clay Faircloth                                |
| <b>Reviewed By:</b>      | Jerry Paul                                    |

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD000821

Exposure Unit ID: SW-6

Surface Water Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

**NOTE: If the chemical list is changed from a prior calculator run, remember to select "See All Chemicals" on the data output sheet or newly added chemicals will not be included in risk calculations**

| Exposure Point Concentration (ug/L) | Notes: | CAS Number | Chemical                       | Minimum Concentration (Qualifier) | Maximum Concentration (Qualifier) | Units | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Concentration Used for Screening | Background Value | Screening Toxicity Value (Screening Level) (n/c) | Potential ARAR/TBC Value | Potential ARAR/TBC Source | COPC Flag (Y/N) | Rationale for Selection or Deletion |
|-------------------------------------|--------|------------|--------------------------------|-----------------------------------|-----------------------------------|-------|-----------------------------------|---------------------|---------------------------|----------------------------------|------------------|--|--------------------------|---------------------------|-----------------|-------------------------------------|
| 95                                  |        | 7664-41-7  | Ammonia                        |                                   |                                   | ug/L  | SW-6                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 2.43                                | J      | 7440-38-2  | Arsenic, Inorganic             |                                   |                                   | ug/L  | SW-6                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 56.7                                |        | 7440-39-3  | Barium                         |                                   |                                   | ug/L  | SW-6                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.828                               | J      | 7440-48-4  | Cobalt                         |                                   |                                   | ug/L  | SW-6                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 3.9                                 |        | 7440-50-8  | Copper                         |                                   |                                   | ug/L  | SW-6                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 1.91                                |        | 7439-92-1  | ~Lead and Compounds            |                                   |                                   | ug/L  | SW-6                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 328                                 |        | 7439-96-5  | Manganese (Non-diet)           |                                   |                                   | ug/L  | SW-6                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 1.69                                | J      | 7440-02-0  | Nickel Soluble Salts           |                                   |                                   | ug/L  | SW-6                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 183                                 |        | 14797-55-8 | Nitrate (measured as nitrogen) |                                   |                                   | ug/L  | SW-6                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 1.29                                | J      | 7440-62-2  | Vanadium and Compounds         |                                   |                                   | ug/L  | SW-6                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 14.5                                |        | 7440-66-6  | Zinc and Compounds             |                                   |                                   | ug/L  | SW-6                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |

**Version Date:** January 2025

**Basis:** November 2024 EPA RSL Table

**Site ID:** NONCD0000821

**Exposure Unit ID:** SW-6

**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*   | 2.1E-06           | 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.

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: SW-6

Receptor Type:

| CAS #      | Chemical Name:                 | Ingestion Concentration (ug/L) | Dermal Concentration (ug/L) | Ingestion Carcinogenic Risk | Dermal Contact Carcinogenic Risk | Calculated Carcinogenic Risk | Ingestion Hazard Quotient | Dermal Contact Hazard Quotient | Calculated Non-Carcinogenic Hazard Quotient |
|------------|--------------------------------|--------------------------------|-----------------------------|-----------------------------|----------------------------------|------------------------------|---------------------------|--------------------------------|---|
| 7664-41-7  | Ammonia                        | 95                             | 95                          |                             |                                  |                              |                           |                                |   |
| 7440-38-2  | Arsenic, Inorganic             | 2.43                           | 2.43                        | <b>1.9E-06</b>              | 1.9E-07                          | <b>2.1E-06</b>               | 3.2E-02                   | 1.7E-03                        | 3.4E-02                                     |
| 7440-39-3  | Barium                         | 56.7                           | 56.7                        |                             |                                  |                              | 1.1E-03                   | 8.5E-04                        | 2.0E-03                                     |
| 7440-48-4  | Cobalt                         | 0.828                          | 0.828                       |                             |                                  |                              | 1.1E-02                   | 2.3E-04                        | 1.1E-02                                     |
| 7440-50-8  | Copper                         | 3.9                            | 3.9                         |                             |                                  |                              | 3.8E-04                   | 2.0E-05                        | 4.1E-04                                     |
| 7439-92-1  | ~Lead and Compounds            | 1.91                           | 1.91                        |                             |                                  |                              |                           |                                |   |
| 7439-96-5  | Manganese (Non-diet)           | 328                            | 328                         |                             |                                  |                              | 5.4E-02                   | 7.1E-02                        | 1.3E-01                                     |
| 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) | 183                            | 183                         |                             |                                  |                              | 4.5E-04                   | 2.4E-05                        | 4.8E-04                                     |
| 7440-62-2  | Vanadium and Compounds         | 1.29                           | 1.29                        |                             |                                  |                              | 1.0E-03                   | 2.1E-03                        | 3.1E-03                                     |
| 7440-66-6  | Zinc and Compounds             | 14.5                           | 14.5                        |                             |                                  |                              | 1.9E-04                   | 6.1E-06                        | 2.0E-04                                     |

Cumulative: 2.1E-06

1.8E-01

## North Carolina Department of Environmental Quality Risk Calculator

|                          |   |
|--------------------------|---|
| <b>Version Date:</b>     | January 2025                                  |
| <b>Basis:</b>            | November 2024 EPA RSL Table                   |
| <b>Site Name:</b>        | City of Durham Parks - East Durham Park       |
| <b>Site Address:</b>     | 2500 East Main Street, Durham, North Carolina |
| <b>DEQ Section:</b>      | Pre-Regulatory Landfill Group                 |
| <b>Site ID:</b>          | NONCD0000821                                  |
| <b>Exposure Unit ID:</b> | SW-7  |
| <b>Submittal Date:</b>   | 1/27/2026                                     |
| <b>Prepared By:</b>      | Clay Faircloth                                |
| <b>Reviewed By:</b>      | Jerry Paul                                    |

Exposure Point Concentrations

Input Form 2C

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD000821

Exposure Unit ID: SW-7

Surface Water Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

**NOTE: If the chemical list is changed from a prior calculator run, remember to select "See All Chemicals" on the data output sheet or newly added chemicals will not be included in risk calculations**

| Exposure Point Concentration (ug/L) | Notes: | CAS Number | Chemical               | Minimum Concentration (Qualifier) | Maximum Concentration (Qualifier) | Units | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Concentration Used for Screening | Background Value | Screening Toxicity Value (Screening Level) (n/c) | Potential ARAR/TBC Value | Potential ARAR/TBC Source | COPC Flag (Y/N) | Rationale for Selection or Deletion |
|-------------------------------------|--------|------------|------------------------|-----------------------------------|-----------------------------------|-------|-----------------------------------|---------------------|---------------------------|----------------------------------|------------------|--|--------------------------|---------------------------|-----------------|-------------------------------------|
| 1.74                                | J      | 7440-38-2  | Arsenic, Inorganic     |                                   |                                   | ug/L  | SW-7                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 59.4                                |        | 7440-39-3  | Barium                 |                                   |                                   | ug/L  | SW-7                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.952                               | J      | 7440-48-4  | Cobalt                 |                                   |                                   | ug/L  | SW-7                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 9.19                                |        | 7440-50-8  | Copper                 |                                   |                                   | ug/L  | SW-7                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 6.69                                |        | 7439-92-1  | -Lead and Compounds    |                                   |                                   | ug/L  | SW-7                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 303                                 |        | 7439-96-5  | Manganese (Non-diet)   |                                   |                                   | ug/L  | SW-7                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 3.7                                 | J      | 7440-02-0  | Nickel Soluble Salts   |                                   |                                   | ug/L  | SW-7                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 1.95                                | J      | 7440-62-2  | Vanadium and Compounds |                                   |                                   | ug/L  | SW-7                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 30.3                                |        | 7440-66-6  | Zinc and Compounds     |                                   |                                   | ug/L  | SW-7                              |                     |                           |                                  |                  |  |                          |                           |                 |                                     |

**Version Date:** January 2025

**Basis:** November 2024 EPA RSL Table

**Site ID:** NONCD0000821

**Exposure Unit ID:** SW-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*   | 1.5E-06           | 1.6E-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.

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: SW-7

Receptor Type:

| CAS #     | Chemical Name:         | Ingestion Concentration (ug/L) | Dermal Concentration (ug/L) | Ingestion Carcinogenic Risk | Dermal Contact Carcinogenic Risk | Calculated Carcinogenic Risk | Ingestion Hazard Quotient | Dermal Contact Hazard Quotient | Calculated Non-Carcinogenic Hazard Quotient |
|-----------|------------------------|--------------------------------|-----------------------------|-----------------------------|----------------------------------|------------------------------|---------------------------|--------------------------------|---|
| 7440-38-2 | Arsenic, Inorganic     | 1.74                           | 1.74                        | 1.4E-06                     | 1.4E-07                          | 1.5E-06                      | 2.3E-02                   | 1.2E-03                        | 2.4E-02                                     |
| 7440-39-3 | Barium                 | 59.4                           | 59.4                        |                             |                                  |                              | 1.2E-03                   | 8.9E-04                        | 2.1E-03                                     |
| 7440-48-4 | Cobalt                 | 0.952                          | 0.952                       |                             |                                  |                              | 1.3E-02                   | 2.7E-04                        | 1.3E-02                                     |
| 7440-50-8 | Copper                 | 9.19                           | 9.19                        |                             |                                  |                              | 9.1E-04                   | 4.8E-05                        | 9.5E-04                                     |
| 7439-92-1 | ~Lead and Compounds    | 6.69                           | 6.69                        |                             |                                  |                              |                           |                                |   |
| 7439-96-5 | Manganese (Non-diet)   | 303                            | 303                         |                             |                                  |                              | 5.0E-02                   | 6.6E-02                        | 1.2E-01                                     |
| 7440-02-0 | Nickel Soluble Salts   | 3.7                            | 3.7                         |                             |                                  |                              | 7.3E-04                   | 1.9E-04                        | 9.2E-04                                     |
| 7440-62-2 | Vanadium and Compounds | 1.95                           | 1.95                        |                             |                                  |                              | 1.5E-03                   | 3.1E-03                        | 4.6E-03                                     |
| 7440-66-6 | Zinc and Compounds     | 30.3                           | 30.3                        |                             |                                  |                              | 4.0E-04                   | 1.3E-05                        | 4.1E-04                                     |

Cumulative: 1.5E-06

1.6E-01

## North Carolina Department of Environmental Quality Risk Calculator

|                          |   |
|--------------------------|---|
| <b>Version Date:</b>     | January 2025                                  |
| <b>Basis:</b>            | November 2024 EPA RSL Table                   |
| <b>Site Name:</b>        | City of Durham Parks - East Durham Park       |
| <b>Site Address:</b>     | 2500 East Main Street, Durham, North Carolina |
| <b>DEQ Section:</b>      | Pre-Regulatory Landfill Group                 |
| <b>Site ID:</b>          | NONCD0000821                                  |
| <b>Exposure Unit ID:</b> | SED-1   |
| <b>Submittal Date:</b>   | 1/27/2026                                     |
| <b>Prepared By:</b>      | Clay Faircloth                                |
| <b>Reviewed By:</b>      | Jerry Paul                                    |

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<br><b>For the chemicals highlighted in blue, data entry notes are provided in the PSRG Table link on the Main Menu</b> | 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                               | J      | 67-64-1    | Acetone   |                                   |                                   | mg/kg | SED-1                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.557                                |        | 7440-38-2  | Arsenic, Inorganic  |                                   |                                   | mg/kg | 101625-Dup-SED                    |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 9.18                                 |        | 7440-39-3  | Barium  |                                   |                                   | mg/kg | 101625-Dup-SED                    |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.0569                               | J      | 7440-41-7  | Beryllium and compounds   |                                   |                                   | mg/kg | SED-1                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.0736                               | J      | 7440-43-9  | Cadmium (Diet)  |                                   |                                   | mg/kg | 101624-Dup-SED                    |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.0754                               | J      | 105-60-2   | Caprolactam   |                                   |                                   | mg/kg | 101625-Dup-SED                    |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 5.04                                 |        | 16065-83-1 | Chromium(III), Insoluble Salts  |                                   |                                   | mg/kg | SED-1                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 2.12                                 |        | 7440-48-4  | Cobalt  |                                   |                                   | mg/kg | 101625-Dup-SED                    |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 9.65                                 |        | 7440-50-8  | Copper  |                                   |                                   | mg/kg | SED-1                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 9.97                                 |        | 7439-92-1  | ~Lead and Compounds   |                                   |                                   | mg/kg | SED-1                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 68.2                                 |        | 7439-96-5  | Manganese (Non-diet)  |                                   |                                   | mg/kg | 101625-Dup-SED                    |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 7.1                                  |        | 7440-02-0  | Nickel Soluble Salts  |                                   |                                   | mg/kg | 101625-Dup-SED                    |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 1.88                                 | J      | 14797-55-8 | Nitrate (measured as nitrogen)  |                                   |                                   | mg/kg | SED-1                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.0471                               | J F1   | 205-99-2   | ~Benzo[b]fluoranthene   |                                   |                                   | mg/kg | SED-1                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.0483                               | J      | 206-44-0   | ~Fluoranthene   |                                   |                                   | mg/kg | SED-1                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.0494                               | J      | 129-00-0   | ~Pyrene   |                                   |                                   | mg/kg | SED-1                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.0239                               | J      | 7440-22-4  | Silver  |                                   |                                   | mg/kg | 101625-Dup-SED                    |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.00167                              | J      | 108-88-3   | Toluene   |                                   |                                   | mg/kg | SED-1                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 8.42                                 |        | 7440-62-2  | Vanadium and Compounds  |                                   |                                   | mg/kg | 101625-Dup-SED                    |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 44.7                                 |        | 7440-66-6  | Zinc and Compounds  |                                   |                                   | mg/kg | SED-1                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |

**Version Date:** January 2025

**Basis:** November 2024 EPA RSL Table

**Site ID:** NONCD0000821

**Exposure Unit ID:** SED-1

**DIRECT CONTACT SOIL AND WATER CALCULATORS**

| Receptor               | Pathway          | Carcinogenic Risk | Hazard Index | Risk exceeded? |
|------------------------|------------------|-------------------|--------------|----------------|
| Resident               | Soil             | 8.6E-07           | 1.8E-01      | NO             |
|                        | Groundwater Use* | NC                | NC           | NC             |
| Non-Residential Worker | Soil             | 1.9E-07           | 1.3E-02      | NO             |
|                        | Groundwater Use* | NC                | NC           | NC             |
| Construction Worker    | Soil             | NC                | NC           | NC             |
| Recreator/Trespasser   | Soil             | 3.7E-07           | 7.9E-02      | NO             |
|                        | Surface Water*   | NC                | NC           | NC             |

**VAPOR INTRUSION CALCULATORS**

| Receptor               | Pathway                   | Carcinogenic Risk | Hazard Index | Risk exceeded? |
|------------------------|---------------------------|-------------------|--------------|----------------|
| Resident               | Groundwater to Indoor Air | NC                | NC           | NC             |
|                        | Soil Gas to Indoor Air    | NC                | NC           | NC             |
|                        | Indoor Air                | NC                | NC           | NC             |
| Non-Residential Worker | Groundwater to Indoor Air | NC                | NC           | NC             |
|                        | Soil Gas to Indoor Air    | NC                | NC           | NC             |
|                        | Indoor Air                | NC                | NC           | NC             |

**CONTAMINANT MIGRATION CALCULATORS**

| Pathway       | Source             | Target Receptor Concentrations Exceeded? |    |
|---------------|--------------------|--|----|
| Groundwater   | Source Soil        | Exceedence of 2L at Receptor?            | NC |
|               | Source Groundwater | Exceedence of 2L at Receptor?            | NC |
| Surface Water | Source Soil        | Exceedence of 2B at Receptor?            | NC |
|               | Source Groundwater | Exceedence of 2B at Receptor?            | NC |

- Notes:
1. If lead concentrations were entered in the exposure point concentration tables, see the individual calculator sheets for lead concentrations in comparison to screening levels. Note that lead is not included in cumulative risk calculations.
  2. \* = If concentrations in groundwater exceed the NC 2L Standards or IMAC, or concentrations in surface water exceed the NC 2B Standards, appropriate remediation and/or institutional control measures will be necessary to be eligible for a risk-based closure.
  3. NM = Not modeled, required contaminant migration parameters were not entered.
  4. NC = Pathway not calculated, user did not check this pathway as complete.

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: SED-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                        | 0.0209                          | 0.0209                       | 0.0209                            |                             |                          |                               |                              | 3.0E-07                   |                        |                             | 3.0E-07                                     |
| 7440-38-2  | Arsenic, Inorganic             | 0.557                           | 0.557                        | 0.557                             | 7.2E-07                     | 1.0E-07                  | 1.4E-11                       | 8.2E-07                      | 1.4E-02                   | 1.7E-03                | 6.0E-07                     | 1.6E-02                                     |
| 7440-39-3  | Barium                         | 9.18                            | 9.18                         | 9.18                              |                             |                          |                               |                              | 5.9E-04                   |                        | 3.0E-07                     | 5.9E-04                                     |
| 7440-41-7  | Beryllium and compounds        | 0.0569                          | 0.0569                       | 0.0569                            |                             |                          | 8.2E-13                       | 8.2E-13                      | 3.6E-04                   |                        | 4.6E-08                     | 3.6E-04                                     |
| 7440-43-9  | Cadmium (Diet)                 | 0.0736                          | 0.0736                       | 0.0736                            |                             |                          | 8.0E-13                       | 8.0E-13                      | 9.4E-03                   | 8.9E-04                | 1.2E-07                     | 1.0E-02                                     |
| 105-60-2   | Caprolactam                    | 0.0754                          | 0.0754                       | 0.0754                            |                             |                          |                               |                              | 1.9E-06                   | 4.6E-07                | 5.5E-10                     | 2.4E-06                                     |
| 16065-83-1 | Chromium(III), Insoluble Salts | 5.04                            | 5.04                         | 5.04                              |                             |                          |                               |                              | 4.3E-05                   |                        |                             | 4.3E-05                                     |
| 7440-48-4  | Cobalt                         | 2.12                            | 2.12                         | 2.12                              |                             |                          | 1.1E-10                       | 1.1E-10                      | 9.0E-02                   |                        | 5.7E-06                     | 9.0E-02                                     |
| 7440-50-8  | Copper                         | 9.65                            | 9.65                         | 9.65                              |                             |                          |                               |                              | 3.1E-03                   |                        |                             | 3.1E-03                                     |
| 7439-92-1  | -Lead and Compounds            | 9.97                            | 9.97                         | 9.97                              |                             |                          |                               |                              | <SL**                     | <SL**                  | <SL**                       |   |
| 7439-96-5  | Manganese (Non-diet)           | 68.2                            | 68.2                         | 68.2                              |                             |                          |                               |                              | 3.6E-02                   |                        | 2.2E-05                     | 3.6E-02                                     |
| 7440-02-0  | Nickel Soluble Salts           | 7.1                             | 7.1                          | 7.1                               |                             |                          | 1.1E-11                       | 1.1E-11                      | 4.5E-03                   |                        | 1.1E-05                     | 4.6E-03                                     |
| 14797-55-8 | Nitrate (measured as nitrogen) | 1.88                            | 1.88                         | 1.88                              |                             |                          |                               |                              | 1.5E-05                   |                        |                             | 1.5E-05                                     |
| 205-99-2   | -Benzo[b]fluoranthene          | 0.0471                          | 0.0471                       | 0.0471                            | 3.1E-08                     | 1.0E-08                  | 4.7E-14                       | 4.1E-08                      |                           |                        |                             |   |
| 206-44-0   | -Fluoranthene                  | 0.0483                          | 0.0483                       | 0.0483                            |                             |                          |                               |                              | 1.5E-05                   | 4.8E-06                |                             | 2.0E-05                                     |
| 129-00-0   | -Pyrene                        | 0.0494                          | 0.0494                       | 0.0494                            |                             |                          |                               |                              | 2.1E-05                   | 6.5E-06                |                             | 2.8E-05                                     |
| 7440-22-4  | Silver                         | 0.0239                          | 0.0239                       | 0.0239                            |                             |                          |                               |                              | 6.1E-05                   |                        |                             | 6.1E-05                                     |
| 108-88-3   | Toluene                        | 0.00167                         | 0.00167                      | 0.00167                           |                             |                          |                               |                              | 2.7E-07                   |                        | 7.0E-08                     | 3.4E-07                                     |
| 7440-62-2  | Vanadium and Compounds         | 8.42                            | 8.42                         | 8.42                              |                             |                          |                               |                              | 2.1E-02                   |                        | 1.4E-06                     | 2.1E-02                                     |
| 7440-66-6  | Zinc and Compounds             | 44.7                            | 44.7                         | 44.7                              |                             |                          |                               |                              | 1.9E-03                   |                        |                             | 1.9E-03                                     |

Cumulative:

8.6E-07

1.8E-01

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: SED-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                        | 0.0209                          | 0.0209                       | 0.0209                            |                             |                          |                              |                              | 2.0E-08                   |                        |                            | 2.0E-08                                     |
| 7440-38-2  | Arsenic, Inorganic             | 0.557                           | 0.557                        | 0.557                             | 1.5E-07                     | 3.2E-08                  | 3.3E-12                      | 1.9E-07                      | 9.5E-04                   | 2.0E-04                | 1.4E-07                    | 1.2E-03                                     |
| 7440-39-3  | Barium                         | 9.18                            | 9.18                         | 9.18                              |                             |                          |                              |                              | 3.9E-05                   |                        | 7.1E-08                    | 3.9E-05                                     |
| 7440-41-7  | Beryllium and compounds        | 0.0569                          | 0.0569                       | 0.0569                            |                             |                          | 1.9E-13                      | 1.9E-13                      | 2.4E-05                   |                        | 1.1E-08                    | 2.4E-05                                     |
| 7440-43-9  | Cadmium (Diet)                 | 0.0736                          | 0.0736                       | 0.0736                            |                             |                          | 1.8E-13                      | 1.8E-13                      | 6.3E-04                   | 1.1E-04                | 2.8E-08                    | 7.4E-04                                     |
| 105-60-2   | Caprolactam                    | 0.0754                          | 0.0754                       | 0.0754                            |                             |                          |                              |                              | 1.3E-07                   | 5.5E-08                | 1.3E-10                    | 1.8E-07                                     |
| 16065-83-1 | Chromium(III), Insoluble Salts | 5.04                            | 5.04                         | 5.04                              |                             |                          |                              |                              | 2.9E-06                   |                        |                            | 2.9E-06                                     |
| 7440-48-4  | Cobalt                         | 2.12                            | 2.12                         | 2.12                              |                             |                          | 2.6E-11                      | 2.6E-11                      | 6.1E-03                   |                        | 1.4E-06                    | 6.1E-03                                     |
| 7440-50-8  | Copper                         | 9.65                            | 9.65                         | 9.65                              |                             |                          |                              |                              | 2.1E-04                   |                        |                            | 2.1E-04                                     |
| 7439-92-1  | -Lead and Compounds            | 9.97                            | 9.97                         | 9.97                              |                             |                          |                              |                              | <SL**                     | <SL**                  | <SL**                      |   |
| 7439-96-5  | Manganese (Non-diet)           | 68.2                            | 68.2                         | 68.2                              |                             |                          |                              |                              | 2.4E-03                   |                        | 5.2E-06                    | 2.4E-03                                     |
| 7440-02-0  | Nickel Soluble Salts           | 7.1                             | 7.1                          | 7.1                               |                             |                          | 2.5E-12                      | 2.5E-12                      | 3.0E-04                   |                        | 2.7E-06                    | 3.1E-04                                     |
| 14797-55-8 | Nitrate (measured as nitrogen) | 1.88                            | 1.88                         | 1.88                              |                             |                          |                              |                              | 1.0E-06                   |                        |                            | 1.0E-06                                     |
| 205-99-2   | -Benzol[b]fluoranthene         | 0.0471                          | 0.0471                       | 0.0471                            | 1.4E-09                     | 7.9E-10                  | 3.9E-15                      | 2.2E-09                      |                           |                        |                            |   |
| 206-44-0   | -Fluoranthene                  | 0.0483                          | 0.0483                       | 0.0483                            |                             |                          |                              |                              | 1.0E-06                   | 5.7E-07                |                            | 1.6E-06                                     |
| 129-00-0   | -Pyrene                        | 0.0494                          | 0.0494                       | 0.0494                            |                             |                          |                              |                              | 1.4E-06                   | 7.8E-07                |                            | 2.2E-06                                     |
| 7440-22-4  | Silver                         | 0.0239                          | 0.0239                       | 0.0239                            |                             |                          |                              |                              | 4.1E-06                   |                        |                            | 4.1E-06                                     |
| 108-88-3   | Toluene                        | 0.00167                         | 0.00167                      | 0.00167                           |                             |                          |                              |                              | 1.8E-08                   |                        | 1.7E-08                    | 3.5E-08                                     |
| 7440-62-2  | Vanadium and Compounds         | 8.42                            | 8.42                         | 8.42                              |                             |                          |                              |                              | 1.4E-03                   |                        | 3.2E-07                    | 1.4E-03                                     |
| 7440-66-6  | Zinc and Compounds             | 44.7                            | 44.7                         | 44.7                              |                             |                          |                              |                              | 1.3E-04                   |                        |                            | 1.3E-04                                     |

Cumulative:

1.9E-07

1.3E-02

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: SED-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                        | 0.0209                          | 0.0209                       | 0.0209                            |                             |                          |                              |                              | 1.3E-07                   |                        |                            | 1.3E-07                                     |
| 7440-38-2  | Arsenic, Inorganic             | 0.557                           | 0.557                        | 0.557                             | 3.1E-07                     | 4.3E-08                  | 5.1E-13                      | 3.5E-07                      | 6.1E-03                   | 7.2E-04                | 2.1E-08                    | 6.8E-03                                     |
| 7440-39-3  | Barium                         | 9.18                            | 9.18                         | 9.18                              |                             |                          |                              |                              | 2.5E-04                   |                        | 1.1E-08                    | 2.5E-04                                     |
| 7440-41-7  | Beryllium and compounds        | 0.0569                          | 0.0569                       | 0.0569                            |                             |                          | 2.9E-14                      | 2.9E-14                      | 1.6E-04                   |                        | 1.6E-09                    | 1.6E-04                                     |
| 7440-43-9  | Cadmium (Diet)                 | 0.0736                          | 0.0736                       | 0.0736                            |                             |                          | 2.8E-14                      | 2.8E-14                      | 4.0E-03                   | 3.8E-04                | 4.2E-09                    | 4.4E-03                                     |
| 105-60-2   | Caprolactam                    | 0.0754                          | 0.0754                       | 0.0754                            |                             |                          |                              |                              | 8.3E-07                   | 2.0E-07                | 2.0E-11                    | 1.0E-06                                     |
| 16065-83-1 | Chromium(III), Insoluble Salts | 5.04                            | 5.04                         | 5.04                              |                             |                          |                              |                              | 1.8E-05                   |                        |                            | 1.8E-05                                     |
| 7440-48-4  | Cobalt                         | 2.12                            | 2.12                         | 2.12                              |                             |                          | 4.1E-12                      | 4.1E-12                      | 3.9E-02                   |                        | 2.0E-07                    | 3.9E-02                                     |
| 7440-50-8  | Copper                         | 9.65                            | 9.65                         | 9.65                              |                             |                          |                              |                              | 1.3E-03                   |                        |                            | 1.3E-03                                     |
| 7439-92-1  | -Lead and Compounds            | 9.97                            | 9.97                         | 9.97                              |                             |                          |                              |                              | <SL**                     | <SL**                  | <SL**                      |   |
| 7439-96-5  | Manganese (Non-diet)           | 68.2                            | 68.2                         | 68.2                              |                             |                          |                              |                              | 1.6E-02                   |                        | 7.9E-07                    | 1.6E-02                                     |
| 7440-02-0  | Nickel Soluble Salts           | 7.1                             | 7.1                          | 7.1                               |                             |                          | 4.0E-13                      | 4.0E-13                      | 1.9E-03                   |                        | 4.1E-07                    | 1.9E-03                                     |
| 14797-55-8 | Nitrate (measured as nitrogen) | 1.88                            | 1.88                         | 1.88                              |                             |                          |                              |                              | 6.4E-06                   |                        |                            | 6.4E-06                                     |
| 205-99-2   | -Benzo[b]fluoranthene          | 0.0471                          | 0.0471                       | 0.0471                            | 1.3E-08                     | 4.4E-09                  | 1.7E-15                      | 1.8E-08                      |                           |                        |                            |   |
| 206-44-0   | -Fluoranthene                  | 0.0483                          | 0.0483                       | 0.0483                            |                             |                          |                              |                              | 6.6E-06                   | 2.0E-06                |                            | 8.7E-06                                     |
| 129-00-0   | -Pyrene                        | 0.0494                          | 0.0494                       | 0.0494                            |                             |                          |                              |                              | 9.0E-06                   | 2.8E-06                |                            | 1.2E-05                                     |
| 7440-22-4  | Silver                         | 0.0239                          | 0.0239                       | 0.0239                            |                             |                          |                              |                              | 2.6E-05                   |                        |                            | 2.6E-05                                     |
| 108-88-3   | Toluene                        | 0.00167                         | 0.00167                      | 0.00167                           |                             |                          |                              |                              | 1.1E-07                   |                        | 2.5E-09                    | 1.2E-07                                     |
| 7440-62-2  | Vanadium and Compounds         | 8.42                            | 8.42                         | 8.42                              |                             |                          |                              |                              | 9.2E-03                   |                        | 4.9E-08                    | 9.2E-03                                     |
| 7440-66-6  | Zinc and Compounds             | 44.7                            | 44.7                         | 44.7                              |                             |                          |                              |                              | 8.2E-04                   |                        |                            | 8.2E-04                                     |

Cumulative:

3.7E-07

7.9E-02

## North Carolina Department of Environmental Quality Risk Calculator

|                          |   |
|--------------------------|---|
| <b>Version Date:</b>     | January 2025                                  |
| <b>Basis:</b>            | November 2024 EPA RSL Table                   |
| <b>Site Name:</b>        | City of Durham Parks - East Durham Park       |
| <b>Site Address:</b>     | 2500 East Main Street, Durham, North Carolina |
| <b>DEQ Section:</b>      | Pre-Regulatory Landfill Group                 |
| <b>Site ID:</b>          | NONCD0000821                                  |
| <b>Exposure Unit ID:</b> | SED-2   |
| <b>Submittal Date:</b>   | 2/4/2026                                      |
| <b>Prepared By:</b>      | Clay Faircloth                                |
| <b>Reviewed By:</b>      | Jerry Paul                                    |

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<br><b>For the chemicals highlighted in blue, data entry notes are provided in the PSRG Table link on the Main Menu</b> | 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 |
|--------------------------------------|--------|------------|---|-----------------------------------|-----------------------------------|-------|-----------------------------------|---------------------|---------------------------|----------------------------------|------------------|--|--------------------------|---------------------------|-----------------|-------------------------------------|
| 0.0421                               |        | 67-64-1    | Acetone   |                                   |                                   | mg/kg | SED-2                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.556                                |        | 7440-38-2  | Arsenic, Inorganic  |                                   |                                   | mg/kg | SED-2                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 17.2                                 |        | 7440-39-3  | Barium  |                                   |                                   | mg/kg | SED-2                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.0514                               | J      | 7440-41-7  | Beryllium and compounds   |                                   |                                   | mg/kg | SED-2                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.0685                               | J      | 105-60-2   | Caprolactam   |                                   |                                   | mg/kg | SED-2                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 5                                    |        | 16065-83-1 | Chromium(III), Insoluble Salts  |                                   |                                   | mg/kg | SED-2                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 1.79                                 |        | 7440-48-4  | Cobalt  |                                   |                                   | mg/kg | SED-2                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 9.57                                 |        | 7440-50-8  | Copper  |                                   |                                   | mg/kg | SED-2                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 11.9                                 |        | 7439-92-1  | ~Lead and Compounds   |                                   |                                   | mg/kg | SED-2                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 59.7                                 |        | 7439-96-5  | Manganese (Non-diet)  |                                   |                                   | mg/kg | SED-2                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 6.18                                 |        | 7440-02-0  | Nickel Soluble Salts  |                                   |                                   | mg/kg | SED-2                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 3.1                                  | J      | 14797-55-8 | Nitrate (measured as nitrogen)  |                                   |                                   | mg/kg | SED-2                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.0917                               | J      | 56-55-3    | ~Benz[a]anthracene  |                                   |                                   | mg/kg | SED-2                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.0859                               | J      | 50-32-8    | ~Benzo[a]pyrene   |                                   |                                   | mg/kg | SED-2                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.154                                | J      | 205-99-2   | ~Benzo[b]fluoranthene   |                                   |                                   | mg/kg | SED-2                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.0484                               | J      | 207-08-9   | ~Benzo[k]fluoranthene   |                                   |                                   | mg/kg | SED-2                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.13                                 | J      | 218-01-9   | ~Chrysene   |                                   |                                   | mg/kg | SED-2                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.166                                | J      | 206-44-0   | ~Fluoranthene   |                                   |                                   | mg/kg | SED-2                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.0692                               | J      | 193-39-5   | ~Indeno[1,2,3-cd]pyrene   |                                   |                                   | mg/kg | SED-2                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.213                                | J      | 129-00-0   | ~Pyrene   |                                   |                                   | mg/kg | SED-2                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.0244                               | J      | 7440-22-4  | Silver  |                                   |                                   | mg/kg | SED-2                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.00182                              | J      | 108-88-3   | Toluene   |                                   |                                   | mg/kg | SED-2                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 9                                    |        | 7440-62-2  | Vanadium and Compounds  |                                   |                                   | mg/kg | SED-2                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 36.9                                 |        | 7440-66-6  | Zinc and Compounds  |                                   |                                   | mg/kg | SED-2                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |

**Version Date:** January 2025

**Basis:** November 2024 EPA RSL Table

**Site ID:** NONCD0000821

**Exposure Unit ID:** SED-2

**DIRECT CONTACT SOIL AND WATER CALCULATORS**

| Receptor               | Pathway          | Carcinogenic Risk | Hazard Index | Risk exceeded? |
|------------------------|------------------|-------------------|--------------|----------------|
| Resident               | Soil             | 1.8E-06           | 1.6E-01      | NO             |
|                        | Groundwater Use* | NC                | NC           | NC             |
| Non-Residential Worker | Soil             | 2.4E-07           | 1.1E-02      | NO             |
|                        | Groundwater Use* | NC                | NC           | NC             |
| Construction Worker    | Soil             | NC                | NC           | NC             |
| Recreator/Trespasser   | Soil             | 7.9E-07           | 6.9E-02      | NO             |
|                        | Surface Water*   | NC                | NC           | NC             |

**VAPOR INTRUSION CALCULATORS**

| Receptor               | Pathway                   | Carcinogenic Risk | Hazard Index | Risk exceeded? |
|------------------------|---------------------------|-------------------|--------------|----------------|
| Resident               | Groundwater to Indoor Air | NC                | NC           | NC             |
|                        | Soil Gas to Indoor Air    | NC                | NC           | NC             |
|                        | Indoor Air                | NC                | NC           | NC             |
| Non-Residential Worker | Groundwater to Indoor Air | NC                | NC           | NC             |
|                        | Soil Gas to Indoor Air    | NC                | NC           | NC             |
|                        | Indoor Air                | NC                | NC           | NC             |

**CONTAMINANT MIGRATION CALCULATORS**

| Pathway       | Source             | Target Receptor Concentrations Exceeded? |    |
|---------------|--------------------|--|----|
| Groundwater   | Source Soil        | Exceedence of 2L at Receptor?            | NC |
|               | Source Groundwater | Exceedence of 2L at Receptor?            | NC |
| Surface Water | Source Soil        | Exceedence of 2B at Receptor?            | NC |
|               | Source Groundwater | Exceedence of 2B at Receptor?            | NC |

- Notes:
1. If lead concentrations were entered in the exposure point concentration tables, see the individual calculator sheets for lead concentrations in comparison to screening levels. Note that lead is not included in cumulative risk calculations.
  2. \* = If concentrations in groundwater exceed the NC 2L Standards or IMAC, or concentrations in surface water exceed the NC 2B Standards, appropriate remediation and/or institutional control measures will be necessary to be eligible for a risk-based closure.
  3. NM = Not modeled, required contaminant migration parameters were not entered.
  4. NC = Pathway not calculated, user did not check this pathway as complete.

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: SED-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                        | 0.0421                          | 0.0421                       | 0.0421                            |                             |                          |                               |                              | 6.0E-07                   |                        |                             | 6.0E-07                                     |
| 7440-38-2  | Arsenic, Inorganic             | 0.556                           | 0.556                        | 0.556                             | 7.2E-07                     | 1.0E-07                  | 1.4E-11                       | 8.2E-07                      | 1.4E-02                   | 1.7E-03                | 6.0E-07                     | 1.6E-02                                     |
| 7440-39-3  | Barium                         | 17.2                            | 17.2                         | 17.2                              |                             |                          |                               |                              | 1.1E-03                   |                        | 5.6E-07                     | 1.1E-03                                     |
| 7440-41-7  | Beryllium and compounds        | 0.0514                          | 0.0514                       | 0.0514                            |                             |                          | 7.4E-13                       | 7.4E-13                      | 3.3E-04                   |                        | 4.2E-08                     | 3.3E-04                                     |
| 105-60-2   | Caprolactam                    | 0.0685                          | 0.0685                       | 0.0685                            |                             |                          |                               |                              | 1.8E-06                   | 4.2E-07                | 5.0E-10                     | 2.2E-06                                     |
| 16065-83-1 | Chromium(III), Insoluble Salts | 5                               | 5                            | 5                                 |                             |                          |                               |                              | 4.3E-05                   |                        |                             | 4.3E-05                                     |
| 7440-48-4  | Cobalt                         | 1.79                            | 1.79                         | 1.79                              |                             |                          | 9.7E-11                       | 9.7E-11                      | 7.6E-02                   |                        | 4.8E-06                     | 7.6E-02                                     |
| 7440-50-8  | Copper                         | 9.57                            | 9.57                         | 9.57                              |                             |                          |                               |                              | 3.1E-03                   |                        |                             | 3.1E-03                                     |
| 7439-92-1  | -Lead and Compounds            | 11.9                            | 11.9                         | 11.9                              |                             |                          |                               |                              | <SL**                     | <SL**                  | <SL**                       |   |
| 7439-96-5  | Manganese (Non-diet)           | 59.7                            | 59.7                         | 59.7                              |                             |                          |                               |                              | 3.2E-02                   |                        | 1.9E-05                     | 3.2E-02                                     |
| 7440-02-0  | Nickel Soluble Salts           | 6.18                            | 6.18                         | 6.18                              |                             |                          | 9.6E-12                       | 9.6E-12                      | 4.0E-03                   |                        | 1.0E-05                     | 4.0E-03                                     |
| 14797-55-8 | Nitrate (measured as nitrogen) | 3.1                             | 3.1                          | 3.1                               |                             |                          |                               |                              | 2.5E-05                   |                        |                             | 2.5E-05                                     |
| 56-55-3    | -Benz[a]anthracene             | 0.0917                          | 0.0917                       | 0.0917                            | 6.0E-08                     | 2.0E-08                  | 1.2E-09                       | 8.1E-08                      |                           |                        |                             |   |
| 50-32-8    | -Benzo[a]pyrene                | 0.0859                          | 0.0859                       | 0.0859                            | 5.6E-07                     | 1.9E-07                  | 8.6E-13                       | 7.5E-07                      | 3.7E-03                   | 1.1E-03                | 6.9E-07                     | 4.8E-03                                     |
| 205-99-2   | -Benzo[b]fluoranthene          | 0.154                           | 0.154                        | 0.154                             | 1.0E-07                     | 3.4E-08                  | 1.5E-13                       | 1.3E-07                      |                           |                        |                             |   |
| 207-08-9   | -Benzo[k]fluoranthene          | 0.0484                          | 0.0484                       | 0.0484                            | 3.2E-09                     | 1.1E-09                  | 4.8E-15                       | 4.2E-09                      |                           |                        |                             |   |
| 218-01-9   | -Chrysene                      | 0.13                            | 0.13                         | 0.13                              | 8.5E-10                     | 2.8E-10                  | 1.3E-15                       | 1.1E-09                      |                           |                        |                             |   |
| 206-44-0   | -Fluoranthene                  | 0.166                           | 0.166                        | 0.166                             |                             |                          |                               |                              | 5.3E-05                   | 1.6E-05                |                             | 6.9E-05                                     |
| 193-39-5   | -Indeno[1,2,3-cd]pyrene        | 0.0692                          | 0.0692                       | 0.0692                            | 4.5E-08                     | 1.5E-08                  | 6.9E-14                       | 6.0E-08                      |                           |                        |                             |   |
| 129-00-0   | -Pyrene                        | 0.213                           | 0.213                        | 0.213                             |                             |                          |                               |                              | 9.1E-05                   | 2.8E-05                |                             | 1.2E-04                                     |
| 7440-22-4  | Silver                         | 0.0244                          | 0.0244                       | 0.0244                            |                             |                          |                               |                              | 6.2E-05                   |                        |                             | 6.2E-05                                     |
| 108-88-3   | Toluene                        | 0.00182                         | 0.00182                      | 0.00182                           |                             |                          |                               |                              | 2.9E-07                   |                        | 7.6E-08                     | 3.7E-07                                     |
| 7440-62-2  | Vanadium and Compounds         | 9                               | 9                            | 9                                 |                             |                          |                               |                              | 2.3E-02                   |                        | 1.5E-06                     | 2.3E-02                                     |
| 7440-66-6  | Zinc and Compounds             | 36.9                            | 36.9                         | 36.9                              |                             |                          |                               |                              | 1.6E-03                   |                        |                             | 1.6E-03                                     |

Cumulative:

1.8E-06

1.6E-01

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: SED-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                        | 0.0421                          | 0.0421                       | 0.0421                            |                             |                          |                              |                              | 4.0E-08                   |                        |                            | 4.0E-08                                     |
| 7440-38-2  | Arsenic, Inorganic             | 0.556                           | 0.556                        | 0.556                             | 1.5E-07                     | 3.2E-08                  | 3.3E-12                      | 1.9E-07                      | 9.5E-04                   | 2.0E-04                | 1.4E-07                    | 1.2E-03                                     |
| 7440-39-3  | Barium                         | 17.2                            | 17.2                         | 17.2                              |                             |                          |                              |                              | 7.4E-05                   |                        | 1.3E-07                    | 7.4E-05                                     |
| 7440-41-7  | Beryllium and compounds        | 0.0514                          | 0.0514                       | 0.0514                            |                             |                          | 1.7E-13                      | 1.7E-13                      | 2.2E-05                   |                        | 9.9E-09                    | 2.2E-05                                     |
| 105-60-2   | Caprolactam                    | 0.0685                          | 0.0685                       | 0.0685                            |                             |                          |                              |                              | 1.2E-07                   | 5.0E-08                | 1.2E-10                    | 1.7E-07                                     |
| 16065-83-1 | Chromium(III), Insoluble Salts | 5                               | 5                            | 5                                 |                             |                          |                              |                              | 2.9E-06                   |                        |                            | 2.9E-06                                     |
| 7440-48-4  | Cobalt                         | 1.79                            | 1.79                         | 1.79                              |                             |                          | 2.2E-11                      | 2.2E-11                      | 5.1E-03                   |                        | 1.1E-06                    | 5.1E-03                                     |
| 7440-50-8  | Copper                         | 9.57                            | 9.57                         | 9.57                              |                             |                          |                              |                              | 2.0E-04                   |                        |                            | 2.0E-04                                     |
| 7439-92-1  | -Lead and Compounds            | 11.9                            | 11.9                         | 11.9                              |                             |                          |                              |                              | <SL**                     | <SL**                  | <SL**                      |   |
| 7439-96-5  | Manganese (Non-diet)           | 59.7                            | 59.7                         | 59.7                              |                             |                          |                              |                              | 2.1E-03                   |                        | 4.6E-06                    | 2.1E-03                                     |
| 7440-02-0  | Nickel Soluble Salts           | 6.18                            | 6.18                         | 6.18                              |                             |                          | 2.2E-12                      | 2.2E-12                      | 2.6E-04                   |                        | 2.4E-06                    | 2.7E-04                                     |
| 14797-55-8 | Nitrate (measured as nitrogen) | 3.1                             | 3.1                          | 3.1                               |                             |                          |                              |                              | 1.7E-06                   |                        |                            | 1.7E-06                                     |
| 56-55-3    | -Benz[a]anthracene             | 0.0917                          | 0.0917                       | 0.0917                            | 2.8E-09                     | 1.5E-09                  | 9.6E-11                      | 4.4E-09                      |                           |                        |                            |   |
| 50-32-8    | -Benzof[a]pyrene               | 0.0859                          | 0.0859                       | 0.0859                            | 2.6E-08                     | 1.4E-08                  | 7.1E-14                      | 4.1E-08                      | 2.5E-04                   | 1.3E-04                | 1.7E-07                    | 3.8E-04                                     |
| 205-99-2   | -Benzo[b]fluoranthene          | 0.154                           | 0.154                        | 0.154                             | 4.7E-09                     | 2.6E-09                  | 1.3E-14                      | 7.3E-09                      |                           |                        |                            |   |
| 207-08-9   | -Benzo[k]fluoranthene          | 0.0484                          | 0.0484                       | 0.0484                            | 1.5E-10                     | 8.1E-11                  | 4.0E-16                      | 2.3E-10                      |                           |                        |                            |   |
| 218-01-9   | -Chrysene                      | 0.13                            | 0.13                         | 0.13                              | 4.0E-11                     | 2.2E-11                  | 1.1E-16                      | 6.2E-11                      |                           |                        |                            |   |
| 206-44-0   | -Fluoranthene                  | 0.166                           | 0.166                        | 0.166                             |                             |                          |                              |                              | 3.6E-06                   | 2.0E-06                |                            | 5.5E-06                                     |
| 193-39-5   | -Indeno[1,2,3-cd]pyrene        | 0.0692                          | 0.0692                       | 0.0692                            | 2.1E-09                     | 1.2E-09                  | 5.7E-15                      | 3.3E-09                      |                           |                        |                            |   |
| 129-00-0   | -Pyrene                        | 0.213                           | 0.213                        | 0.213                             |                             |                          |                              |                              | 6.1E-06                   | 3.3E-06                |                            | 9.4E-06                                     |
| 7440-22-4  | Silver                         | 0.0244                          | 0.0244                       | 0.0244                            |                             |                          |                              |                              | 4.2E-06                   |                        |                            | 4.2E-06                                     |
| 108-88-3   | Toluene                        | 0.00182                         | 0.00182                      | 0.00182                           |                             |                          |                              |                              | 1.9E-08                   |                        | 1.8E-08                    | 3.8E-08                                     |
| 7440-62-2  | Vanadium and Compounds         | 9                               | 9                            | 9                                 |                             |                          |                              |                              | 1.5E-03                   |                        | 3.5E-07                    | 1.5E-03                                     |
| 7440-66-6  | Zinc and Compounds             | 36.9                            | 36.9                         | 36.9                              |                             |                          |                              |                              | 1.1E-04                   |                        |                            | 1.1E-04                                     |

Cumulative:

2.4E-07

1.1E-02

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: SED-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                        | 0.0421                          | 0.0421                       | 0.0421                            |                             |                          |                              |                              | 2.6E-07                   |                        |                            | 2.6E-07                                     |
| 7440-38-2  | Arsenic, Inorganic             | 0.556                           | 0.556                        | 0.556                             | 3.1E-07                     | 4.3E-08                  | 5.1E-13                      | 3.5E-07                      | 6.1E-03                   | 7.2E-04                | 2.1E-08                    | 6.8E-03                                     |
| 7440-39-3  | Barium                         | 17.2                            | 17.2                         | 17.2                              |                             |                          |                              |                              | 4.7E-04                   |                        | 2.0E-08                    | 4.7E-04                                     |
| 7440-41-7  | Beryllium and compounds        | 0.0514                          | 0.0514                       | 0.0514                            |                             |                          | 2.6E-14                      | 2.6E-14                      | 1.4E-04                   |                        | 1.5E-09                    | 1.4E-04                                     |
| 105-60-2   | Caprolactam                    | 0.0685                          | 0.0685                       | 0.0685                            |                             |                          |                              |                              | 7.5E-07                   | 1.8E-07                | 1.8E-11                    | 9.3E-07                                     |
| 16065-83-1 | Chromium(III), Insoluble Salts | 5                               | 5                            | 5                                 |                             |                          |                              |                              | 1.8E-05                   |                        |                            | 1.8E-05                                     |
| 7440-48-4  | Cobalt                         | 1.79                            | 1.79                         | 1.79                              |                             |                          | 3.5E-12                      | 3.5E-12                      | 3.3E-02                   |                        | 1.7E-07                    | 3.3E-02                                     |
| 7440-50-8  | Copper                         | 9.57                            | 9.57                         | 9.57                              |                             |                          |                              |                              | 1.3E-03                   |                        |                            | 1.3E-03                                     |
| 7439-92-1  | -Lead and Compounds            | 11.9                            | 11.9                         | 11.9                              |                             |                          |                              |                              | <SL**                     | <SL**                  | <SL**                      |   |
| 7439-96-5  | Manganese (Non-diet)           | 59.7                            | 59.7                         | 59.7                              |                             |                          |                              |                              | 1.4E-02                   |                        | 6.9E-07                    | 1.4E-02                                     |
| 7440-02-0  | Nickel Soluble Salts           | 6.18                            | 6.18                         | 6.18                              |                             |                          | 3.4E-13                      | 3.4E-13                      | 1.7E-03                   |                        | 3.6E-07                    | 1.7E-03                                     |
| 14797-55-8 | Nitrate (measured as nitrogen) | 3.1                             | 3.1                          | 3.1                               |                             |                          |                              |                              | 1.1E-05                   |                        |                            | 1.1E-05                                     |
| 56-55-3    | -Benz[a]anthracene             | 0.0917                          | 0.0917                       | 0.0917                            | 2.6E-08                     | 8.6E-09                  | 4.1E-11                      | 3.4E-08                      |                           |                        |                            |   |
| 50-32-8    | -Benzo[a]pyrene                | 0.0859                          | 0.0859                       | 0.0859                            | 2.4E-07                     | 8.0E-08                  | 3.1E-14                      | 3.2E-07                      | 1.6E-03                   | 4.8E-04                | 2.5E-08                    | 2.1E-03                                     |
| 205-99-2   | -Benzo[b]fluoranthene          | 0.154                           | 0.154                        | 0.154                             | 4.3E-08                     | 1.4E-08                  | 5.5E-15                      | 5.7E-08                      |                           |                        |                            |   |
| 207-08-9   | -Benzo[k]fluoranthene          | 0.0484                          | 0.0484                       | 0.0484                            | 1.4E-09                     | 4.5E-10                  | 1.7E-16                      | 1.8E-09                      |                           |                        |                            |   |
| 218-01-9   | -Chrysene                      | 0.13                            | 0.13                         | 0.13                              | 3.6E-10                     | 1.2E-10                  | 4.6E-17                      | 4.9E-10                      |                           |                        |                            |   |
| 206-44-0   | -Fluoranthene                  | 0.166                           | 0.166                        | 0.166                             |                             |                          |                              |                              | 2.3E-05                   | 7.0E-06                |                            | 3.0E-05                                     |
| 193-39-5   | -Indeno[1,2,3-cd]pyrene        | 0.0692                          | 0.0692                       | 0.0692                            | 1.9E-08                     | 6.5E-09                  | 2.5E-15                      | 2.6E-08                      |                           |                        |                            |   |
| 129-00-0   | -Pyrene                        | 0.213                           | 0.213                        | 0.213                             |                             |                          |                              |                              | 3.9E-05                   | 1.2E-05                |                            | 5.1E-05                                     |
| 7440-22-4  | Silver                         | 0.0244                          | 0.0244                       | 0.0244                            |                             |                          |                              |                              | 2.7E-05                   |                        |                            | 2.7E-05                                     |
| 108-88-3   | Toluene                        | 0.00182                         | 0.00182                      | 0.00182                           |                             |                          |                              |                              | 1.2E-07                   |                        | 2.7E-09                    | 1.3E-07                                     |
| 7440-62-2  | Vanadium and Compounds         | 9                               | 9                            | 9                                 |                             |                          |                              |                              | 9.8E-03                   |                        | 5.2E-08                    | 9.8E-03                                     |
| 7440-66-6  | Zinc and Compounds             | 36.9                            | 36.9                         | 36.9                              |                             |                          |                              |                              | 6.7E-04                   |                        |                            | 6.7E-04                                     |

Cumulative:

7.9E-07

6.9E-02

## North Carolina Department of Environmental Quality Risk Calculator

|                          |   |
|--------------------------|---|
| <b>Version Date:</b>     | January 2025                                  |
| <b>Basis:</b>            | November 2024 EPA RSL Table                   |
| <b>Site Name:</b>        | City of Durham Parks - East Durham Park       |
| <b>Site Address:</b>     | 2500 East Main Street, Durham, North Carolina |
| <b>DEQ Section:</b>      | Pre-Regulatory Landfill Group                 |
| <b>Site ID:</b>          | NONCD0000821                                  |
| <b>Exposure Unit ID:</b> | SED-3   |
| <b>Submittal Date:</b>   | 2/4/2026                                      |
| <b>Prepared By:</b>      | Clay Faircloth                                |
| <b>Reviewed By:</b>      | Jerry Paul                                    |

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<br><b>For the chemicals highlighted in blue, data entry notes are provided in the PSRG Table link on the Main Menu</b> | 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 |
|--------------------------------------|--------|------------|---|-----------------------------------|-----------------------------------|-------|-----------------------------------|---------------------|---------------------------|----------------------------------|------------------|--|--------------------------|---------------------------|-----------------|-------------------------------------|
| 0.0963                               |        | 67-64-1    | Acetone   |                                   |                                   | mg/kg | SED-3                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.607                                |        | 7440-38-2  | Arsenic, Inorganic  |                                   |                                   | mg/kg | SED-3                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 13                                   | F2 F1  | 7440-39-3  | Barium  |                                   |                                   | mg/kg | SED-3                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.0726                               | J      | 7440-41-7  | Beryllium and compounds   |                                   |                                   | mg/kg | SED-3                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.0742                               | J      | 7440-43-9  | Cadmium (Diet)  |                                   |                                   | mg/kg | SED-3                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.103                                |        | 105-60-2   | Caprolactam   |                                   |                                   | mg/kg | SED-3                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 7.23                                 | F1     | 16065-83-1 | Chromium(III), Insoluble Salts  |                                   |                                   | mg/kg | SED-3                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 1.62                                 |        | 7440-48-4  | Cobalt  |                                   |                                   | mg/kg | SED-3                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 12.2                                 | F1     | 7440-50-8  | Copper  |                                   |                                   | mg/kg | SED-3                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 14.9                                 |        | 7439-92-1  | ~Lead and Compounds   |                                   |                                   | mg/kg | SED-3                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 74.6                                 |        | 7439-96-5  | Manganese (Non-diet)  |                                   |                                   | mg/kg | SED-3                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 7.42                                 | F1     | 7440-02-0  | Nickel Soluble Salts  |                                   |                                   | mg/kg | SED-3                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 1.84                                 | J      | 14797-55-8 | Nitrate (measured as nitrogen)  |                                   |                                   | mg/kg | SED-3                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.0561                               | J      | 56-55-3    | ~Benz[a]anthracene  |                                   |                                   | mg/kg | SED-3                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.0679                               | J      | 50-32-8    | ~Benzo[a]pyrene   |                                   |                                   | mg/kg | SED-3                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.118                                | J      | 205-99-2   | ~Benzo[b]fluoranthene   |                                   |                                   | mg/kg | SED-3                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.0386                               | J      | 207-08-9   | ~Benzo[k]fluoranthene   |                                   |                                   | mg/kg | SED-3                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.0869                               | J      | 218-01-9   | ~Chrysene   |                                   |                                   | mg/kg | SED-3                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.122                                | J      | 206-44-0   | ~Fluoranthene   |                                   |                                   | mg/kg | SED-3                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.0614                               | J      | 193-39-5   | ~Indeno[1,2,3-cd]pyrene   |                                   |                                   | mg/kg | SED-3                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.124                                | J      | 129-00-0   | ~Pyrene   |                                   |                                   | mg/kg | SED-3                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.0267                               |        | 7440-22-4  | Silver  |                                   |                                   | mg/kg | SED-3                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 9                                    | F1     | 7440-62-2  | Vanadium and Compounds  |                                   |                                   | mg/kg | SED-3                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 36.9                                 |        | 7440-66-6  | Zinc and Compounds  |                                   |                                   | mg/kg | SED-3                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |

**Version Date:** January 2025

**Basis:** November 2024 EPA RSL Table

**Site ID:** NONCD0000821

**Exposure Unit ID:** SED-3

**DIRECT CONTACT SOIL AND WATER CALCULATORS**

| Receptor               | Pathway          | Carcinogenic Risk | Hazard Index | Risk exceeded? |
|------------------------|------------------|-------------------|--------------|----------------|
| Resident               | Soil             | 1.7E-06           | 1.7E-01      | NO             |
|                        | Groundwater Use* | NC                | NC           | NC             |
| Non-Residential Worker | Soil             | 2.5E-07           | 1.2E-02      | NO             |
|                        | Groundwater Use* | NC                | NC           | NC             |
| Construction Worker    | Soil             | NC                | NC           | NC             |
| Recreator/Trespasser   | Soil             | 7.3E-07           | 7.5E-02      | NO             |
|                        | Surface Water*   | NC                | NC           | NC             |

**VAPOR INTRUSION CALCULATORS**

| Receptor               | Pathway                   | Carcinogenic Risk | Hazard Index | Risk exceeded? |
|------------------------|---------------------------|-------------------|--------------|----------------|
| Resident               | Groundwater to Indoor Air | NC                | NC           | NC             |
|                        | Soil Gas to Indoor Air    | NC                | NC           | NC             |
|                        | Indoor Air                | NC                | NC           | NC             |
| Non-Residential Worker | Groundwater to Indoor Air | NC                | NC           | NC             |
|                        | Soil Gas to Indoor Air    | NC                | NC           | NC             |
|                        | Indoor Air                | NC                | NC           | NC             |

**CONTAMINANT MIGRATION CALCULATORS**

| Pathway       | Source             | Target Receptor Concentrations Exceeded? |    |
|---------------|--------------------|--|----|
| Groundwater   | Source Soil        | Exceedence of 2L at Receptor?            | NC |
|               | Source Groundwater | Exceedence of 2L at Receptor?            | NC |
| Surface Water | Source Soil        | Exceedence of 2B at Receptor?            | NC |
|               | Source Groundwater | Exceedence of 2B at Receptor?            | NC |

Notes:

1. If lead concentrations were entered in the exposure point concentration tables, see the individual calculator sheets for lead concentrations in comparison to screening levels. Note that lead is not included in cumulative risk calculations.
2. \* = If concentrations in groundwater exceed the NC 2L Standards or IMAC, or concentrations in surface water exceed the NC 2B Standards, appropriate remediation and/or institutional control measures will be necessary to be eligible for a risk-based closure.
3. NM = Not modeled, required contaminant migration parameters were not entered.
4. NC = Pathway not calculated, user did not check this pathway as complete.

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: SED-3

\* - 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                        | 0.0963                          | 0.0963                       | 0.0963                            |                             |                          |                               |                              | 1.4E-06                   |                        |                             | 1.4E-06                                     |
| 7440-38-2  | Arsenic, Inorganic             | 0.607                           | 0.607                        | 0.607                             | 7.9E-07                     | 1.1E-07                  | 1.6E-11                       | 9.0E-07                      | 1.6E-02                   | 1.8E-03                | 6.5E-07                     | 1.7E-02                                     |
| 7440-39-3  | Barium                         | 13                              | 13                           | 13                                |                             |                          |                               |                              | 8.3E-04                   |                        | 4.2E-07                     | 8.3E-04                                     |
| 7440-41-7  | Beryllium and compounds        | 0.0726                          | 0.0726                       | 0.0726                            |                             |                          | 1.0E-12                       | 1.0E-12                      | 4.6E-04                   |                        | 5.9E-08                     | 4.6E-04                                     |
| 7440-43-9  | Cadmium (Diet)                 | 0.0742                          | 0.0742                       | 0.0742                            |                             |                          | 8.0E-13                       | 8.0E-13                      | 9.5E-03                   | 9.0E-04                | 1.2E-07                     | 1.0E-02                                     |
| 105-60-2   | Caprolactam                    | 0.103                           | 0.103                        | 0.103                             |                             |                          |                               |                              | 2.6E-06                   | 6.2E-07                | 7.6E-10                     | 3.3E-06                                     |
| 16065-83-1 | Chromium(III), Insoluble Salts | 7.23                            | 7.23                         | 7.23                              |                             |                          |                               |                              | 6.2E-05                   |                        |                             | 6.2E-05                                     |
| 7440-48-4  | Cobalt                         | 1.62                            | 1.62                         | 1.62                              |                             |                          | 8.8E-11                       | 8.8E-11                      | 6.9E-02                   |                        | 4.4E-06                     | 6.9E-02                                     |
| 7440-50-8  | Copper                         | 12.2                            | 12.2                         | 12.2                              |                             |                          |                               |                              | 3.9E-03                   |                        |                             | 3.9E-03                                     |
| 7439-92-1  | -Lead and Compounds            | 14.9                            | 14.9                         | 14.9                              |                             |                          |                               |                              | <SL**                     | <SL**                  | <SL**                       |   |
| 7439-96-5  | Manganese (Non-diet)           | 74.6                            | 74.6                         | 74.6                              |                             |                          |                               |                              | 4.0E-02                   |                        | 2.4E-05                     | 4.0E-02                                     |
| 7440-02-0  | Nickel Soluble Salts           | 7.42                            | 7.42                         | 7.42                              |                             |                          | 1.2E-11                       | 1.2E-11                      | 4.7E-03                   |                        | 1.2E-05                     | 4.8E-03                                     |
| 14797-55-8 | Nitrate (measured as nitrogen) | 1.84                            | 1.84                         | 1.84                              |                             |                          |                               |                              | 1.5E-05                   |                        |                             | 1.5E-05                                     |
| 56-55-3    | -Benz[a]anthracene             | 0.0561                          | 0.0561                       | 0.0561                            | 3.7E-08                     | 1.2E-08                  | 7.1E-10                       | 5.0E-08                      |                           |                        |                             |   |
| 50-32-8    | -Benzo[a]pyrene                | 0.0679                          | 0.0679                       | 0.0679                            | 4.4E-07                     | 1.5E-07                  | 6.8E-13                       | 5.9E-07                      | 2.9E-03                   | 8.9E-04                | 5.5E-07                     | 3.8E-03                                     |
| 205-99-2   | -Benzo[b]fluoranthene          | 0.118                           | 0.118                        | 0.118                             | 7.7E-08                     | 2.6E-08                  | 1.2E-13                       | 1.0E-07                      |                           |                        |                             |   |
| 207-08-9   | -Benzo[k]fluoranthene          | 0.0386                          | 0.0386                       | 0.0386                            | 2.5E-09                     | 8.4E-10                  | 3.9E-15                       | 3.4E-09                      |                           |                        |                             |   |
| 218-01-9   | -Chrysene                      | 0.0869                          | 0.0869                       | 0.0869                            | 5.7E-10                     | 1.9E-10                  | 8.7E-16                       | 7.6E-10                      |                           |                        |                             |   |
| 206-44-0   | -Fluoranthene                  | 0.122                           | 0.122                        | 0.122                             |                             |                          |                               |                              | 3.9E-05                   | 1.2E-05                |                             | 5.1E-05                                     |
| 193-39-5   | -Indeno[1,2,3-cd]pyrene        | 0.0614                          | 0.0614                       | 0.0614                            | 4.0E-08                     | 1.3E-08                  | 6.1E-14                       | 5.3E-08                      |                           |                        |                             |   |
| 129-00-0   | -Pyrene                        | 0.124                           | 0.124                        | 0.124                             |                             |                          |                               |                              | 5.3E-05                   | 1.6E-05                |                             | 6.9E-05                                     |
| 7440-22-4  | Silver                         | 0.0267                          | 0.0267                       | 0.0267                            |                             |                          |                               |                              | 6.8E-05                   |                        |                             | 6.8E-05                                     |
| 7440-62-2  | Vanadium and Compounds         | 9                               | 9                            | 9                                 |                             |                          |                               |                              | 2.3E-02                   |                        | 1.5E-06                     | 2.3E-02                                     |
| 7440-66-6  | Zinc and Compounds             | 36.9                            | 36.9                         | 36.9                              |                             |                          |                               |                              | 1.6E-03                   |                        |                             | 1.6E-03                                     |

Cumulative:

1.7E-06

1.7E-01

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: SED-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                        | 0.0963                          | 0.0963                       | 0.0963                            |                             |                          |                              |                              | 9.2E-08                   |                        |                            | 9.2E-08                                     |
| 7440-38-2  | Arsenic, Inorganic             | 0.607                           | 0.607                        | 0.607                             | 1.7E-07                     | 3.5E-08                  | 3.6E-12                      | 2.0E-07                      | 1.0E-03                   | 2.2E-04                | 1.6E-07                    | 1.3E-03                                     |
| 7440-39-3  | Barium                         | 13                              | 13                           | 13                                |                             |                          |                              |                              | 5.6E-05                   |                        | 1.0E-07                    | 5.6E-05                                     |
| 7440-41-7  | Beryllium and compounds        | 0.0726                          | 0.0726                       | 0.0726                            |                             |                          | 2.4E-13                      | 2.4E-13                      | 3.1E-05                   |                        | 1.4E-08                    | 3.1E-05                                     |
| 7440-43-9  | Cadmium (Diet)                 | 0.0742                          | 0.0742                       | 0.0742                            |                             |                          | 1.8E-13                      | 1.8E-13                      | 6.4E-04                   | 1.1E-04                | 2.9E-08                    | 7.4E-04                                     |
| 105-60-2   | Caprolactam                    | 0.103                           | 0.103                        | 0.103                             |                             |                          |                              |                              | 1.8E-07                   | 7.5E-08                | 1.8E-10                    | 2.5E-07                                     |
| 16065-83-1 | Chromium(III), Insoluble Salts | 7.23                            | 7.23                         | 7.23                              |                             |                          |                              |                              | 4.1E-06                   |                        |                            | 4.1E-06                                     |
| 7440-48-4  | Cobalt                         | 1.62                            | 1.62                         | 1.62                              |                             |                          | 2.0E-11                      | 2.0E-11                      | 4.6E-03                   |                        | 1.0E-06                    | 4.6E-03                                     |
| 7440-50-8  | Copper                         | 12.2                            | 12.2                         | 12.2                              |                             |                          |                              |                              | 2.6E-04                   |                        |                            | 2.6E-04                                     |
| 7439-92-1  | -Lead and Compounds            | 14.9                            | 14.9                         | 14.9                              |                             |                          |                              |                              | <SL**                     | <SL**                  | <SL**                      |   |
| 7439-96-5  | Manganese (Non-diet)           | 74.6                            | 74.6                         | 74.6                              |                             |                          |                              |                              | 2.7E-03                   |                        | 5.7E-06                    | 2.7E-03                                     |
| 7440-02-0  | Nickel Soluble Salts           | 7.42                            | 7.42                         | 7.42                              |                             |                          | 2.7E-12                      | 2.7E-12                      | 3.2E-04                   |                        | 2.9E-06                    | 3.2E-04                                     |
| 14797-55-8 | Nitrate (measured as nitrogen) | 1.84                            | 1.84                         | 1.84                              |                             |                          |                              |                              | 9.8E-07                   |                        |                            | 9.8E-07                                     |
| 56-55-3    | -Benz[a]anthracene             | 0.0561                          | 0.0561                       | 0.0561                            | 1.7E-09                     | 9.4E-10                  | 5.9E-11                      | 2.7E-09                      |                           |                        |                            |   |
| 50-32-8    | -Benzo[a]pyrene                | 0.0679                          | 0.0679                       | 0.0679                            | 2.1E-08                     | 1.1E-08                  | 5.6E-14                      | 3.2E-08                      | 1.9E-04                   | 1.1E-04                | 1.3E-07                    | 3.0E-04                                     |
| 205-99-2   | -Benzo[b]fluoranthene          | 0.118                           | 0.118                        | 0.118                             | 3.6E-09                     | 2.0E-09                  | 9.7E-15                      | 5.6E-09                      |                           |                        |                            |   |
| 207-08-9   | -Benzo[k]fluoranthene          | 0.0386                          | 0.0386                       | 0.0386                            | 1.2E-10                     | 6.5E-11                  | 3.2E-16                      | 1.8E-10                      |                           |                        |                            |   |
| 218-01-9   | -Chrysene                      | 0.0869                          | 0.0869                       | 0.0869                            | 2.7E-11                     | 1.5E-11                  | 7.2E-17                      | 4.1E-11                      |                           |                        |                            |   |
| 206-44-0   | -Fluoranthene                  | 0.122                           | 0.122                        | 0.122                             |                             |                          |                              |                              | 2.6E-06                   | 1.4E-06                |                            | 4.0E-06                                     |
| 193-39-5   | -Indeno[1,2,3-cd]pyrene        | 0.0614                          | 0.0614                       | 0.0614                            | 1.9E-09                     | 1.0E-09                  | 5.1E-15                      | 2.9E-09                      |                           |                        |                            |   |
| 129-00-0   | -Pyrene                        | 0.124                           | 0.124                        | 0.124                             |                             |                          |                              |                              | 3.5E-06                   | 1.9E-06                |                            | 5.5E-06                                     |
| 7440-22-4  | Silver                         | 0.0267                          | 0.0267                       | 0.0267                            |                             |                          |                              |                              | 4.6E-06                   |                        |                            | 4.6E-06                                     |
| 7440-62-2  | Vanadium and Compounds         | 9                               | 9                            | 9                                 |                             |                          |                              |                              | 1.5E-03                   |                        | 3.5E-07                    | 1.5E-03                                     |
| 7440-66-6  | Zinc and Compounds             | 36.9                            | 36.9                         | 36.9                              |                             |                          |                              |                              | 1.1E-04                   |                        |                            | 1.1E-04                                     |

Cumulative: 2.5E-07 1.2E-02

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: SED-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                        | 0.0963                          | 0.0963                       | 0.0963                            |                             |                          |                              |                              | 5.9E-07                   |                        |                            | 5.9E-07                                     |
| 7440-38-2  | Arsenic, Inorganic             | 0.607                           | 0.607                        | 0.607                             | 3.4E-07                     | 4.7E-08                  | 5.6E-13                      | 3.8E-07                      | 6.7E-03                   | 7.9E-04                | 2.3E-08                    | 7.4E-03                                     |
| 7440-39-3  | Barium                         | 13                              | 13                           | 13                                |                             |                          |                              |                              | 3.6E-04                   |                        | 1.5E-08                    | 3.6E-04                                     |
| 7440-41-7  | Beryllium and compounds        | 0.0726                          | 0.0726                       | 0.0726                            |                             |                          | 3.7E-14                      | 3.7E-14                      | 2.0E-04                   |                        | 2.1E-09                    | 2.0E-04                                     |
| 7440-43-9  | Cadmium (Diet)                 | 0.0742                          | 0.0742                       | 0.0742                            |                             |                          | 2.9E-14                      | 2.9E-14                      | 4.1E-03                   | 3.9E-04                | 4.3E-09                    | 4.5E-03                                     |
| 105-60-2   | Caprolactam                    | 0.103                           | 0.103                        | 0.103                             |                             |                          |                              |                              | 1.1E-06                   | 2.7E-07                | 2.7E-11                    | 1.4E-06                                     |
| 16065-83-1 | Chromium(III), Insoluble Salts | 7.23                            | 7.23                         | 7.23                              |                             |                          |                              |                              | 2.6E-05                   |                        |                            | 2.6E-05                                     |
| 7440-48-4  | Cobalt                         | 1.62                            | 1.62                         | 1.62                              |                             |                          | 3.1E-12                      | 3.1E-12                      | 3.0E-02                   |                        | 1.6E-07                    | 3.0E-02                                     |
| 7440-50-8  | Copper                         | 12.2                            | 12.2                         | 12.2                              |                             |                          |                              |                              | 1.7E-03                   |                        |                            | 1.7E-03                                     |
| 7439-92-1  | -Lead and Compounds            | 14.9                            | 14.9                         | 14.9                              |                             |                          |                              |                              | <SL**                     | <SL**                  | <SL**                      |   |
| 7439-96-5  | Manganese (Non-diet)           | 74.6                            | 74.6                         | 74.6                              |                             |                          |                              |                              | 1.7E-02                   |                        | 8.6E-07                    | 1.7E-02                                     |
| 7440-02-0  | Nickel Soluble Salts           | 7.42                            | 7.42                         | 7.42                              |                             |                          | 4.1E-13                      | 4.1E-13                      | 2.0E-03                   |                        | 4.3E-07                    | 2.0E-03                                     |
| 14797-55-8 | Nitrate (measured as nitrogen) | 1.84                            | 1.84                         | 1.84                              |                             |                          |                              |                              | 6.3E-06                   |                        |                            | 6.3E-06                                     |
| 56-55-3    | -Benz[a]anthracene             | 0.0561                          | 0.0561                       | 0.0561                            | 1.6E-08                     | 5.2E-09                  | 2.5E-11                      | 2.1E-08                      |                           |                        |                            |   |
| 50-32-8    | -Benzo[a]pyrene                | 0.0679                          | 0.0679                       | 0.0679                            | 1.9E-07                     | 6.3E-08                  | 2.4E-14                      | 2.5E-07                      | 1.2E-03                   | 3.8E-04                | 2.0E-08                    | 1.6E-03                                     |
| 205-99-2   | -Benzo[b]fluoranthene          | 0.118                           | 0.118                        | 0.118                             | 3.3E-08                     | 1.1E-08                  | 4.2E-15                      | 4.4E-08                      |                           |                        |                            |   |
| 207-08-9   | -Benzo[k]fluoranthene          | 0.0386                          | 0.0386                       | 0.0386                            | 1.1E-09                     | 3.6E-10                  | 1.4E-16                      | 1.4E-09                      |                           |                        |                            |   |
| 218-01-9   | -Chrysene                      | 0.0869                          | 0.0869                       | 0.0869                            | 2.4E-10                     | 8.1E-11                  | 3.1E-17                      | 3.2E-10                      |                           |                        |                            |   |
| 206-44-0   | -Fluoranthene                  | 0.122                           | 0.122                        | 0.122                             |                             |                          |                              |                              | 1.7E-05                   | 5.2E-06                |                            | 2.2E-05                                     |
| 193-39-5   | -Indeno[1,2,3-cd]pyrene        | 0.0614                          | 0.0614                       | 0.0614                            | 1.7E-08                     | 5.7E-09                  | 2.2E-15                      | 2.3E-08                      |                           |                        |                            |   |
| 129-00-0   | -Pyrene                        | 0.124                           | 0.124                        | 0.124                             |                             |                          |                              |                              | 2.3E-05                   | 7.0E-06                |                            | 3.0E-05                                     |
| 7440-22-4  | Silver                         | 0.0267                          | 0.0267                       | 0.0267                            |                             |                          |                              |                              | 2.9E-05                   |                        |                            | 2.9E-05                                     |
| 7440-62-2  | Vanadium and Compounds         | 9                               | 9                            | 9                                 |                             |                          |                              |                              | 9.8E-03                   |                        | 5.2E-08                    | 9.8E-03                                     |
| 7440-66-6  | Zinc and Compounds             | 36.9                            | 36.9                         | 36.9                              |                             |                          |                              |                              | 6.7E-04                   |                        |                            | 6.7E-04                                     |

Cumulative:

7.3E-07

7.5E-02

## North Carolina Department of Environmental Quality Risk Calculator

|                          |   |
|--------------------------|---|
| <b>Version Date:</b>     | January 2025                                  |
| <b>Basis:</b>            | November 2024 EPA RSL Table                   |
| <b>Site Name:</b>        | City of Durham Parks - East Durham Park       |
| <b>Site Address:</b>     | 2500 East Main Street, Durham, North Carolina |
| <b>DEQ Section:</b>      | Pre-Regulatory Landfill Group                 |
| <b>Site ID:</b>          | NONCD0000821                                  |
| <b>Exposure Unit ID:</b> | SED-4   |
| <b>Submittal Date:</b>   | 2/5/2026                                      |
| <b>Prepared By:</b>      | Clay Faircloth                                |
| <b>Reviewed By:</b>      | Jerry Paul                                    |

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<br><b>For the chemicals highlighted in blue, data entry notes are provided in the PSRG Table link on the Main Menu</b> | 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 |
|--------------------------------------|--------|------------|---|-----------------------------------|-----------------------------------|-------|-----------------------------------|---------------------|---------------------------|----------------------------------|------------------|--|--------------------------|---------------------------|-----------------|-------------------------------------|
| 0.0202                               | J      | 67-64-1    | Acetone   |                                   |                                   | mg/kg | SED-4                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.625                                |        | 7440-38-2  | Arsenic, Inorganic  |                                   |                                   | mg/kg | SED-4                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 11.2                                 |        | 7440-39-3  | Barium  |                                   |                                   | mg/kg | SED-4                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.0759                               | J      | 100-52-7   | Benzaldehyde  |                                   |                                   | mg/kg | SED-4                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.0778                               | J      | 7440-41-7  | Beryllium and compounds   |                                   |                                   | mg/kg | SED-4                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.0554                               | J      | 7440-43-9  | Cadmium (Diet)  |                                   |                                   | mg/kg | SED-4                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 6.12                                 |        | 16065-83-1 | Chromium(III), Insoluble Salts  |                                   |                                   | mg/kg | SED-4                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 1.75                                 |        | 7440-48-4  | Cobalt  |                                   |                                   | mg/kg | SED-4                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 5.8                                  |        | 7440-50-8  | Copper  |                                   |                                   | mg/kg | SED-4                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 18.5                                 |        | 7439-92-1  | ~Lead and Compounds   |                                   |                                   | mg/kg | SED-4                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 66.7                                 |        | 7439-96-5  | Manganese (Non-diet)  |                                   |                                   | mg/kg | SED-4                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 3.44                                 |        | 7440-02-0  | Nickel Soluble Salts  |                                   |                                   | mg/kg | SED-4                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 2.12                                 | J      | 14797-55-8 | Nitrate (measured as nitrogen)  |                                   |                                   | mg/kg | SED-4                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.0474                               | J      | 205-99-2   | ~Benzo[b]fluoranthene   |                                   |                                   | mg/kg | SED-4                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.0421                               | J      | 218-01-9   | ~Chrysene   |                                   |                                   | mg/kg | SED-4                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.0692                               | J      | 206-44-0   | ~Fluoranthene   |                                   |                                   | mg/kg | SED-4                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.0636                               | J      | 129-00-0   | ~Pyrene   |                                   |                                   | mg/kg | SED-4                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.0217                               | J      | 7440-22-4  | Silver  |                                   |                                   | mg/kg | SED-4                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 10.8                                 |        | 7440-62-2  | Vanadium and Compounds  |                                   |                                   | mg/kg | SED-4                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 39.2                                 |        | 7440-66-6  | Zinc and Compounds  |                                   |                                   | mg/kg | SED-4                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |

**Version Date:** January 2025

**Basis:** November 2024 EPA RSL Table

**Site ID:** NONCD0000821

**Exposure Unit ID:** SED-4

**DIRECT CONTACT SOIL AND WATER CALCULATORS**

| Receptor               | Pathway          | Carcinogenic Risk | Hazard Index | Risk exceeded? |
|------------------------|------------------|-------------------|--------------|----------------|
| Resident               | Soil             | 9.7E-07           | 1.7E-01      | NO             |
|                        | Groundwater Use* | NC                | NC           | NC             |
| Non-Residential Worker | Soil             | 2.1E-07           | 1.2E-02      | NO             |
|                        | Groundwater Use* | NC                | NC           | NC             |
| Construction Worker    | Soil             | NC                | NC           | NC             |
| Recreator/Trespasser   | Soil             | 4.1E-07           | 7.3E-02      | NO             |
|                        | Surface Water*   | NC                | NC           | NC             |

**VAPOR INTRUSION CALCULATORS**

| Receptor               | Pathway                   | Carcinogenic Risk | Hazard Index | Risk exceeded? |
|------------------------|---------------------------|-------------------|--------------|----------------|
| Resident               | Groundwater to Indoor Air | NC                | NC           | NC             |
|                        | Soil Gas to Indoor Air    | NC                | NC           | NC             |
|                        | Indoor Air                | NC                | NC           | NC             |
| Non-Residential Worker | Groundwater to Indoor Air | NC                | NC           | NC             |
|                        | Soil Gas to Indoor Air    | NC                | NC           | NC             |
|                        | Indoor Air                | NC                | NC           | NC             |

**CONTAMINANT MIGRATION CALCULATORS**

| Pathway       | Source             | Target Receptor Concentrations Exceeded? |    |
|---------------|--------------------|--|----|
| Groundwater   | Source Soil        | Exceedence of 2L at Receptor?            | NC |
|               | Source Groundwater | Exceedence of 2L at Receptor?            | NC |
| Surface Water | Source Soil        | Exceedence of 2B at Receptor?            | NC |
|               | Source Groundwater | Exceedence of 2B at Receptor?            | NC |

- Notes:
1. If lead concentrations were entered in the exposure point concentration tables, see the individual calculator sheets for lead concentrations in comparison to screening levels. Note that lead is not included in cumulative risk calculations.
  2. \* = If concentrations in groundwater exceed the NC 2L Standards or IMAC, or concentrations in surface water exceed the NC 2B Standards, appropriate remediation and/or institutional control measures will be necessary to be eligible for a risk-based closure.
  3. NM = Not modeled, required contaminant migration parameters were not entered.
  4. NC = Pathway not calculated, user did not check this pathway as complete.

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: SED-4

\* - 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                        | 0.0202                          | 0.0202                       | 0.0202                            |                             |                          |                               |                              | 2.9E-07                   |                        |                             | 2.9E-07                                     |
| 7440-38-2  | Arsenic, Inorganic             | 0.625                           | 0.625                        | 0.625                             | 8.1E-07                     | 1.1E-07                  | 1.6E-11                       | 9.2E-07                      | 1.6E-02                   | 1.9E-03                | 6.7E-07                     | 1.8E-02                                     |
| 7440-39-3  | Barium                         | 11.2                            | 11.2                         | 11.2                              |                             |                          |                               |                              | 7.2E-04                   |                        | 3.6E-07                     | 7.2E-04                                     |
| 100-52-7   | Benzaldehyde                   | 0.0759                          | 0.0759                       | 0.0759                            | 4.4E-10                     |                          |                               | 4.4E-10                      | 9.7E-06                   |                        |                             | 9.7E-06                                     |
| 7440-41-7  | Beryllium and compounds        | 0.0778                          | 0.0778                       | 0.0778                            |                             |                          | 1.1E-12                       | 1.1E-12                      | 5.0E-04                   |                        | 6.3E-08                     | 5.0E-04                                     |
| 7440-43-9  | Cadmium (Diet)                 | 0.0554                          | 0.0554                       | 0.0554                            |                             |                          | 6.0E-13                       | 6.0E-13                      | 7.1E-03                   | 6.7E-04                | 9.0E-08                     | 7.8E-03                                     |
| 16065-83-1 | Chromium(III), Insoluble Salts | 6.12                            | 6.12                         | 6.12                              |                             |                          |                               |                              | 5.2E-05                   |                        |                             | 5.2E-05                                     |
| 7440-48-4  | Cobalt                         | 1.75                            | 1.75                         | 1.75                              |                             |                          | 9.5E-11                       | 9.5E-11                      | 7.5E-02                   |                        | 4.7E-06                     | 7.5E-02                                     |
| 7440-50-8  | Copper                         | 5.8                             | 5.8                          | 5.8                               |                             |                          |                               |                              | 1.9E-03                   |                        |                             | 1.9E-03                                     |
| 7439-92-1  | -Lead and Compounds            | 18.5                            | 18.5                         | 18.5                              |                             |                          |                               |                              | <SL**                     | <SL**                  | <SL**                       |   |
| 7439-96-5  | Manganese (Non-diet)           | 66.7                            | 66.7                         | 66.7                              |                             |                          |                               |                              | 3.6E-02                   |                        | 2.2E-05                     | 3.6E-02                                     |
| 7440-02-0  | Nickel Soluble Salts           | 3.44                            | 3.44                         | 3.44                              |                             |                          | 5.4E-12                       | 5.4E-12                      | 2.2E-03                   |                        | 5.6E-06                     | 2.2E-03                                     |
| 14797-55-8 | Nitrate (measured as nitrogen) | 2.12                            | 2.12                         | 2.12                              |                             |                          |                               |                              | 1.7E-05                   |                        |                             | 1.7E-05                                     |
| 205-99-2   | -Benzo[b]fluoranthene          | 0.0474                          | 0.0474                       | 0.0474                            | 3.1E-08                     | 1.0E-08                  | 4.7E-14                       | 4.1E-08                      |                           |                        |                             |   |
| 218-01-9   | -Chrysene                      | 0.0421                          | 0.0421                       | 0.0421                            | 2.7E-10                     | 9.2E-11                  | 4.2E-16                       | 3.7E-10                      |                           |                        |                             |   |
| 206-44-0   | -Fluoranthene                  | 0.0692                          | 0.0692                       | 0.0692                            |                             |                          |                               |                              | 2.2E-05                   | 6.8E-06                |                             | 2.9E-05                                     |
| 129-00-0   | -Pyrene                        | 0.0636                          | 0.0636                       | 0.0636                            |                             |                          |                               |                              | 2.7E-05                   | 8.4E-06                |                             | 3.5E-05                                     |
| 7440-22-4  | Silver                         | 0.0217                          | 0.0217                       | 0.0217                            |                             |                          |                               |                              | 5.5E-05                   |                        |                             | 5.5E-05                                     |
| 7440-62-2  | Vanadium and Compounds         | 10.8                            | 10.8                         | 10.8                              |                             |                          |                               |                              | 2.7E-02                   |                        | 1.7E-06                     | 2.7E-02                                     |
| 7440-66-6  | Zinc and Compounds             | 39.2                            | 39.2                         | 39.2                              |                             |                          |                               |                              | 1.7E-03                   |                        |                             | 1.7E-03                                     |

Cumulative:

9.7E-07

1.7E-01

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: SED-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                        | 0.0202                          | 0.0202                       | 0.0202                            |                             |                          |                              |                              | 1.9E-08                   |                        |                            | 1.9E-08                                     |
| 7440-38-2  | Arsenic, Inorganic             | 0.625                           | 0.625                        | 0.625                             | 1.7E-07                     | 3.6E-08                  | 3.7E-12                      | 2.1E-07                      | 1.1E-03                   | 2.3E-04                | 1.6E-07                    | 1.3E-03                                     |
| 7440-39-3  | Barium                         | 11.2                            | 11.2                         | 11.2                              |                             |                          |                              |                              | 4.8E-05                   |                        | 8.6E-08                    | 4.8E-05                                     |
| 100-52-7   | Benzaldehyde                   | 0.0759                          | 0.0759                       | 0.0759                            | 9.3E-11                     |                          |                              | 9.3E-11                      | 6.5E-07                   |                        |                            | 6.5E-07                                     |
| 7440-41-7  | Beryllium and compounds        | 0.0778                          | 0.0778                       | 0.0778                            |                             |                          | 2.6E-13                      | 2.6E-13                      | 3.3E-05                   |                        | 1.5E-08                    | 3.3E-05                                     |
| 7440-43-9  | Cadmium (Diet)                 | 0.0554                          | 0.0554                       | 0.0554                            |                             |                          | 1.4E-13                      | 1.4E-13                      | 4.7E-04                   | 8.0E-05                | 2.1E-08                    | 5.5E-04                                     |
| 16065-83-1 | Chromium(III), Insoluble Salts | 6.12                            | 6.12                         | 6.12                              |                             |                          |                              |                              | 3.5E-06                   |                        |                            | 3.5E-06                                     |
| 7440-48-4  | Cobalt                         | 1.75                            | 1.75                         | 1.75                              |                             |                          | 2.2E-11                      | 2.2E-11                      | 5.0E-03                   |                        | 1.1E-06                    | 5.0E-03                                     |
| 7440-50-8  | Copper                         | 5.8                             | 5.8                          | 5.8                               |                             |                          |                              |                              | 1.2E-04                   |                        |                            | 1.2E-04                                     |
| 7439-92-1  | -Lead and Compounds            | 18.5                            | 18.5                         | 18.5                              |                             |                          |                              |                              | <SL**                     | <SL**                  | <SL**                      |   |
| 7439-96-5  | Manganese (Non-diet)           | 66.7                            | 66.7                         | 66.7                              |                             |                          |                              |                              | 2.4E-03                   |                        | 5.1E-06                    | 2.4E-03                                     |
| 7440-02-0  | Nickel Soluble Salts           | 3.44                            | 3.44                         | 3.44                              |                             |                          | 1.2E-12                      | 1.2E-12                      | 1.5E-04                   |                        | 1.3E-06                    | 1.5E-04                                     |
| 14797-55-8 | Nitrate (measured as nitrogen) | 2.12                            | 2.12                         | 2.12                              |                             |                          |                              |                              | 1.1E-06                   |                        |                            | 1.1E-06                                     |
| 205-99-2   | -Benzol[b]fluoranthene         | 0.0474                          | 0.0474                       | 0.0474                            | 1.4E-09                     | 8.0E-10                  | 3.9E-15                      | 2.2E-09                      |                           |                        |                            |   |
| 218-01-9   | -Chrysene                      | 0.0421                          | 0.0421                       | 0.0421                            | 1.3E-11                     | 7.1E-12                  | 3.5E-17                      | 2.0E-11                      |                           |                        |                            |   |
| 206-44-0   | -Fluoranthene                  | 0.0692                          | 0.0692                       | 0.0692                            |                             |                          |                              |                              | 1.5E-06                   | 8.1E-07                |                            | 2.3E-06                                     |
| 129-00-0   | -Pyrene                        | 0.0636                          | 0.0636                       | 0.0636                            |                             |                          |                              |                              | 1.8E-06                   | 1.0E-06                |                            | 2.8E-06                                     |
| 7440-22-4  | Silver                         | 0.0217                          | 0.0217                       | 0.0217                            |                             |                          |                              |                              | 3.7E-06                   |                        |                            | 3.7E-06                                     |
| 7440-62-2  | Vanadium and Compounds         | 10.8                            | 10.8                         | 10.8                              |                             |                          |                              |                              | 1.8E-03                   |                        | 4.2E-07                    | 1.8E-03                                     |
| 7440-66-6  | Zinc and Compounds             | 39.2                            | 39.2                         | 39.2                              |                             |                          |                              |                              | 1.1E-04                   |                        |                            | 1.1E-04                                     |

Cumulative:

2.1E-07

1.2E-02

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: SED-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                        | 0.0202                          | 0.0202                       | 0.0202                            |                             |                          |                              |                              | 1.2E-07                   |                        |                            | 1.2E-07                                     |
| 7440-38-2  | Arsenic, Inorganic             | 0.625                           | 0.625                        | 0.625                             | 3.5E-07                     | 4.9E-08                  | 5.8E-13                      | 4.0E-07                      | 6.8E-03                   | 8.1E-04                | 2.4E-08                    | 7.7E-03                                     |
| 7440-39-3  | Barium                         | 11.2                            | 11.2                         | 11.2                              |                             |                          |                              |                              | 3.1E-04                   |                        | 1.3E-08                    | 3.1E-04                                     |
| 100-52-7   | Benzaldehyde                   | 0.0759                          | 0.0759                       | 0.0759                            | 1.9E-10                     |                          |                              | 1.9E-10                      | 4.2E-06                   |                        |                            | 4.2E-06                                     |
| 7440-41-7  | Beryllium and compounds        | 0.0778                          | 0.0778                       | 0.0778                            |                             |                          | 4.0E-14                      | 4.0E-14                      | 2.1E-04                   |                        | 2.2E-09                    | 2.1E-04                                     |
| 7440-43-9  | Cadmium (Diet)                 | 0.0554                          | 0.0554                       | 0.0554                            |                             |                          | 2.1E-14                      | 2.1E-14                      | 3.0E-03                   | 2.9E-04                | 3.2E-09                    | 3.3E-03                                     |
| 16065-83-1 | Chromium(III), Insoluble Salts | 6.12                            | 6.12                         | 6.12                              |                             |                          |                              |                              | 2.2E-05                   |                        |                            | 2.2E-05                                     |
| 7440-48-4  | Cobalt                         | 1.75                            | 1.75                         | 1.75                              |                             |                          | 3.4E-12                      | 3.4E-12                      | 3.2E-02                   |                        | 1.7E-07                    | 3.2E-02                                     |
| 7440-50-8  | Copper                         | 5.8                             | 5.8                          | 5.8                               |                             |                          |                              |                              | 7.9E-04                   |                        |                            | 7.9E-04                                     |
| 7439-92-1  | -Lead and Compounds            | 18.5                            | 18.5                         | 18.5                              |                             |                          |                              |                              | <SL**                     | <SL**                  | <SL**                      |   |
| 7439-96-5  | Manganese (Non-diet)           | 66.7                            | 66.7                         | 66.7                              |                             |                          |                              |                              | 1.5E-02                   |                        | 7.7E-07                    | 1.5E-02                                     |
| 7440-02-0  | Nickel Soluble Salts           | 3.44                            | 3.44                         | 3.44                              |                             |                          | 1.9E-13                      | 1.9E-13                      | 9.4E-04                   |                        | 2.0E-07                    | 9.4E-04                                     |
| 14797-55-8 | Nitrate (measured as nitrogen) | 2.12                            | 2.12                         | 2.12                              |                             |                          |                              |                              | 7.3E-06                   |                        |                            | 7.3E-06                                     |
| 205-99-2   | -Benzo[b]fluoranthene          | 0.0474                          | 0.0474                       | 0.0474                            | 1.3E-08                     | 4.4E-09                  | 1.7E-15                      | 1.8E-08                      |                           |                        |                            |   |
| 218-01-9   | -Chrysene                      | 0.0421                          | 0.0421                       | 0.0421                            | 1.2E-10                     | 3.9E-11                  | 1.5E-17                      | 1.6E-10                      |                           |                        |                            |   |
| 206-44-0   | -Fluoranthene                  | 0.0692                          | 0.0692                       | 0.0692                            |                             |                          |                              |                              | 9.5E-06                   | 2.9E-06                |                            | 1.2E-05                                     |
| 129-00-0   | -Pyrene                        | 0.0636                          | 0.0636                       | 0.0636                            |                             |                          |                              |                              | 1.2E-05                   | 3.6E-06                |                            | 1.5E-05                                     |
| 7440-22-4  | Silver                         | 0.0217                          | 0.0217                       | 0.0217                            |                             |                          |                              |                              | 2.4E-05                   |                        |                            | 2.4E-05                                     |
| 7440-62-2  | Vanadium and Compounds         | 10.8                            | 10.8                         | 10.8                              |                             |                          |                              |                              | 1.2E-02                   |                        | 6.2E-08                    | 1.2E-02                                     |
| 7440-66-6  | Zinc and Compounds             | 39.2                            | 39.2                         | 39.2                              |                             |                          |                              |                              | 7.2E-04                   |                        |                            | 7.2E-04                                     |

Cumulative:

4.1E-07

7.3E-02

## North Carolina Department of Environmental Quality Risk Calculator

|                          |   |
|--------------------------|---|
| <b>Version Date:</b>     | January 2025                                  |
| <b>Basis:</b>            | November 2024 EPA RSL Table                   |
| <b>Site Name:</b>        | City of Durham Parks - East Durham Park       |
| <b>Site Address:</b>     | 2500 East Main Street, Durham, North Carolina |
| <b>DEQ Section:</b>      | Pre-Regulatory Landfill Group                 |
| <b>Site ID:</b>          | NONCD0000821                                  |
| <b>Exposure Unit ID:</b> | SED-5   |
| <b>Submittal Date:</b>   | 2/5/2026                                      |
| <b>Prepared By:</b>      | Clay Faircloth                                |
| <b>Reviewed By:</b>      | Jerry Paul                                    |

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<br><b>For the chemicals highlighted in blue, data entry notes are provided in the PSRG Table link on the Main Menu</b> | 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 |
|--------------------------------------|--------|------------|---|-----------------------------------|-----------------------------------|-------|-----------------------------------|---------------------|---------------------------|----------------------------------|------------------|--|--------------------------|---------------------------|-----------------|-------------------------------------|
| 0.0257                               | J      | 67-64-1    | Acetone   |                                   |                                   | mg/kg | SED-5                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.711                                |        | 7440-38-2  | Arsenic, Inorganic  |                                   |                                   | mg/kg | SED-5                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 10.1                                 |        | 7440-39-3  | Barium  |                                   |                                   | mg/kg | SED-5                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.081                                | J      | 7440-41-7  | Beryllium and compounds   |                                   |                                   | mg/kg | SED-5                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.0604                               | J      | 7440-43-9  | Cadmium (Diet)  |                                   |                                   | mg/kg | SED-5                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 4.07                                 |        | 16065-83-1 | Chromium(III), Insoluble Salts  |                                   |                                   | mg/kg | SED-5                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 1.65                                 |        | 7440-48-4  | Cobalt  |                                   |                                   | mg/kg | SED-5                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 6.27                                 |        | 7440-50-8  | Copper  |                                   |                                   | mg/kg | SED-5                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 13.5                                 |        | 7439-92-1  | ~Lead and Compounds   |                                   |                                   | mg/kg | SED-5                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 53.7                                 |        | 7439-96-5  | Manganese (Non-diet)  |                                   |                                   | mg/kg | SED-5                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 5.29                                 |        | 7440-02-0  | Nickel Soluble Salts  |                                   |                                   | mg/kg | SED-5                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 2.12                                 | J      | 14797-55-8 | Nitrate (measured as nitrogen)  |                                   |                                   | mg/kg | SED-5                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.0379                               | J      | 120-12-7   | ~Anthracene   |                                   |                                   | mg/kg | SED-5                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.38                                 |        | 56-55-3    | ~Benz[a]anthracene  |                                   |                                   | mg/kg | SED-5                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.411                                |        | 50-32-8    | ~Benzo[a]pyrene   |                                   |                                   | mg/kg | SED-5                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.561                                |        | 205-99-2   | ~Benzo[b]fluoranthene   |                                   |                                   | mg/kg | SED-5                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.189                                | J      | 207-08-9   | ~Benzo[k]fluoranthene   |                                   |                                   | mg/kg | SED-5                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.476                                |        | 218-01-9   | ~Chrysene   |                                   |                                   | mg/kg | SED-5                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.0817                               | J      | 53-70-3    | ~Dibenz[a,h]anthracene  |                                   |                                   | mg/kg | SED-5                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.51                                 |        | 206-44-0   | ~Fluoranthene   |                                   |                                   | mg/kg | SED-5                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.254                                | J      | 193-39-5   | ~Indeno[1,2,3-cd]pyrene   |                                   |                                   | mg/kg | SED-5                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.569                                |        | 129-00-0   | ~Pyrene   |                                   |                                   | mg/kg | SED-5                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.0262                               | J      | 7440-22-4  | Silver  |                                   |                                   | mg/kg | SED-5                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.00187                              | J      | 108-88-3   | Toluene   |                                   |                                   | mg/kg | SED-5                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 7.88                                 |        | 7440-62-2  | Vanadium and Compounds  |                                   |                                   | mg/kg | SED-5                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 32.9                                 |        | 7440-66-6  | Zinc and Compounds  |                                   |                                   | mg/kg | SED-5                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |

**Version Date:** January 2025

**Basis:** November 2024 EPA RSL Table

**Site ID:** NONCD0000821

**Exposure Unit ID:** SED-5

**DIRECT CONTACT SOIL AND WATER CALCULATORS**

| Receptor               | Pathway          | Carcinogenic Risk | Hazard Index | Risk exceeded? |
|------------------------|------------------|-------------------|--------------|----------------|
| Resident               | Soil             | 6.4E-06           | 1.8E-01      | NO             |
|                        | Groundwater Use* | NC                | NC           | NC             |
| Non-Residential Worker | Soil             | 5.3E-07           | 1.2E-02      | NO             |
|                        | Groundwater Use* | NC                | NC           | NC             |
| Construction Worker    | Soil             | NC                | NC           | NC             |
| Recreator/Trespasser   | Soil             | 2.7E-06           | 7.7E-02      | NO             |
|                        | Surface Water*   | NC                | NC           | NC             |

**VAPOR INTRUSION CALCULATORS**

| Receptor               | Pathway                   | Carcinogenic Risk | Hazard Index | Risk exceeded? |
|------------------------|---------------------------|-------------------|--------------|----------------|
| Resident               | Groundwater to Indoor Air | NC                | NC           | NC             |
|                        | Soil Gas to Indoor Air    | NC                | NC           | NC             |
|                        | Indoor Air                | NC                | NC           | NC             |
| Non-Residential Worker | Groundwater to Indoor Air | NC                | NC           | NC             |
|                        | Soil Gas to Indoor Air    | NC                | NC           | NC             |
|                        | Indoor Air                | NC                | NC           | NC             |

**CONTAMINANT MIGRATION CALCULATORS**

| Pathway       | Source             | Target Receptor Concentrations Exceeded? |    |
|---------------|--------------------|--|----|
| Groundwater   | Source Soil        | Exceedence of 2L at Receptor?            | NC |
|               | Source Groundwater | Exceedence of 2L at Receptor?            | NC |
| Surface Water | Source Soil        | Exceedence of 2B at Receptor?            | NC |
|               | Source Groundwater | Exceedence of 2B at Receptor?            | NC |

Notes:

1. If lead concentrations were entered in the exposure point concentration tables, see the individual calculator sheets for lead concentrations in comparison to screening levels. Note that lead is not included in cumulative risk calculations.
2. \* = If concentrations in groundwater exceed the NC 2L Standards or IMAC, or concentrations in surface water exceed the NC 2B Standards, appropriate remediation and/or institutional control measures will be necessary to be eligible for a risk-based closure.
3. NM = Not modeled, required contaminant migration parameters were not entered.
4. NC = Pathway not calculated, user did not check this pathway as complete.

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: SED-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                        | 0.0257                          | 0.0257                       | 0.0257                            |                             |                          |                               |                              | 3.7E-07                   |                        |                             | 3.7E-07                                     |
| 7440-38-2  | Arsenic, Inorganic             | 0.711                           | 0.711                        | 0.711                             | 9.2E-07                     | 1.3E-07                  | 1.8E-11                       | 1.0E-06                      | 1.8E-02                   | 2.2E-03                | 7.7E-07                     | 2.0E-02                                     |
| 7440-39-3  | Barium                         | 10.1                            | 10.1                         | 10.1                              |                             |                          |                               |                              | 6.5E-04                   |                        | 3.3E-07                     | 6.5E-04                                     |
| 7440-41-7  | Beryllium and compounds        | 0.081                           | 0.081                        | 0.081                             |                             |                          | 1.2E-12                       | 1.2E-12                      | 5.2E-04                   |                        | 6.5E-08                     | 5.2E-04                                     |
| 7440-43-9  | Cadmium (Diet)                 | 0.0604                          | 0.0604                       | 0.0604                            |                             |                          | 6.5E-13                       | 6.5E-13                      | 7.7E-03                   | 7.3E-04                | 9.8E-08                     | 8.5E-03                                     |
| 16065-83-1 | Chromium(III), Insoluble Salts | 4.07                            | 4.07                         | 4.07                              |                             |                          |                               |                              | 3.5E-05                   |                        |                             | 3.5E-05                                     |
| 7440-48-4  | Cobalt                         | 1.65                            | 1.65                         | 1.65                              |                             |                          | 8.9E-11                       | 8.9E-11                      | 7.0E-02                   |                        | 4.4E-06                     | 7.0E-02                                     |
| 7440-50-8  | Copper                         | 6.27                            | 6.27                         | 6.27                              |                             |                          |                               |                              | 2.0E-03                   |                        |                             | 2.0E-03                                     |
| 7439-92-1  | -Lead and Compounds            | 13.5                            | 13.5                         | 13.5                              |                             |                          |                               |                              | <SL**                     | <SL**                  | <SL**                       |   |
| 7439-96-5  | Manganese (Non-diet)           | 53.7                            | 53.7                         | 53.7                              |                             |                          |                               |                              | 2.9E-02                   |                        | 1.7E-05                     | 2.9E-02                                     |
| 7440-02-0  | Nickel Soluble Salts           | 5.29                            | 5.29                         | 5.29                              |                             |                          | 8.3E-12                       | 8.3E-12                      | 3.4E-03                   |                        | 8.6E-06                     | 3.4E-03                                     |
| 14797-55-8 | Nitrate (measured as nitrogen) | 2.12                            | 2.12                         | 2.12                              |                             |                          |                               |                              | 1.7E-05                   |                        |                             | 1.7E-05                                     |
| 120-12-7   | -Anthracene                    | 0.0379                          | 0.0379                       | 0.0379                            |                             |                          |                               |                              | 1.6E-06                   | 5.0E-07                |                             | 2.1E-06                                     |
| 56-55-3    | -Benz[a]anthracene             | 0.38                            | 0.38                         | 0.38                              | 2.5E-07                     | 8.3E-08                  | 4.8E-09                       | 3.4E-07                      |                           |                        |                             |   |
| 50-32-8    | -Benzo[a]pyrene                | 0.411                           | 0.411                        | 0.411                             | 2.7E-06                     | 9.0E-07                  | 4.1E-12                       | 3.6E-06                      | 1.8E-02                   | 5.4E-03                | 3.3E-06                     | 2.3E-02                                     |
| 205-99-2   | -Benzo[b]fluoranthene          | 0.561                           | 0.561                        | 0.561                             | 3.7E-07                     | 1.2E-07                  | 5.6E-13                       | 4.9E-07                      |                           |                        |                             |   |
| 207-08-9   | -Benzo[k]fluoranthene          | 0.189                           | 0.189                        | 0.189                             | 1.2E-08                     | 4.1E-09                  | 1.9E-14                       | 1.6E-08                      |                           |                        |                             |   |
| 218-01-9   | -Chrysene                      | 0.476                           | 0.476                        | 0.476                             | 3.1E-09                     | 1.0E-09                  | 4.7E-15                       | 4.1E-09                      |                           |                        |                             |   |
| 53-70-3    | -Dibenz[a,h]anthracene         | 0.0817                          | 0.0817                       | 0.0817                            | 5.3E-07                     | 1.8E-07                  | 8.1E-13                       | 7.1E-07                      |                           |                        |                             |   |
| 206-44-0   | -Fluoranthene                  | 0.51                            | 0.51                         | 0.51                              |                             |                          |                               |                              | 1.6E-04                   | 5.0E-05                |                             | 2.1E-04                                     |
| 193-39-5   | -Indeno[1,2,3-cd]pyrene        | 0.254                           | 0.254                        | 0.254                             | 1.7E-07                     | 5.5E-08                  | 2.5E-13                       | 2.2E-07                      |                           |                        |                             |   |
| 129-00-0   | -Pyrene                        | 0.569                           | 0.569                        | 0.569                             |                             |                          |                               |                              | 2.4E-04                   | 7.5E-05                |                             | 3.2E-04                                     |
| 7440-22-4  | Silver                         | 0.0262                          | 0.0262                       | 0.0262                            |                             |                          |                               |                              | 6.7E-05                   |                        |                             | 6.7E-05                                     |
| 108-88-3   | Toluene                        | 0.00187                         | 0.00187                      | 0.00187                           |                             |                          |                               |                              | 3.0E-07                   |                        | 7.9E-08                     | 3.8E-07                                     |
| 7440-62-2  | Vanadium and Compounds         | 7.88                            | 7.88                         | 7.88                              |                             |                          |                               |                              | 2.0E-02                   |                        | 1.3E-06                     | 2.0E-02                                     |
| 7440-66-6  | Zinc and Compounds             | 32.9                            | 32.9                         | 32.9                              |                             |                          |                               |                              | 1.4E-03                   |                        |                             | 1.4E-03                                     |

Cumulative:

6.4E-06

1.8E-01

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: SED-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                        | 0.0257                          | 0.0257                       | 0.0257                            |                             |                          |                              |                              | 2.4E-08                   |                        |                            | 2.4E-08                                     |
| 7440-38-2  | Arsenic, Inorganic             | 0.711                           | 0.711                        | 0.711                             | 2.0E-07                     | 4.1E-08                  | 4.2E-12                      | 2.4E-07                      | 1.2E-03                   | 2.6E-04                | 1.8E-07                    | 1.5E-03                                     |
| 7440-39-3  | Barium                         | 10.1                            | 10.1                         | 10.1                              |                             |                          |                              |                              | 4.3E-05                   |                        | 7.8E-08                    | 4.3E-05                                     |
| 7440-41-7  | Beryllium and compounds        | 0.081                           | 0.081                        | 0.081                             |                             |                          | 2.7E-13                      | 2.7E-13                      | 3.5E-05                   |                        | 1.6E-08                    | 3.5E-05                                     |
| 7440-43-9  | Cadmium (Diet)                 | 0.0604                          | 0.0604                       | 0.0604                            |                             |                          | 1.5E-13                      | 1.5E-13                      | 5.2E-04                   | 8.8E-05                | 2.3E-08                    | 6.0E-04                                     |
| 16065-83-1 | Chromium(III), Insoluble Salts | 4.07                            | 4.07                         | 4.07                              |                             |                          |                              |                              | 2.3E-06                   |                        |                            | 2.3E-06                                     |
| 7440-48-4  | Cobalt                         | 1.65                            | 1.65                         | 1.65                              |                             |                          | 2.0E-11                      | 2.0E-11                      | 4.7E-03                   |                        | 1.1E-06                    | 4.7E-03                                     |
| 7440-50-8  | Copper                         | 6.27                            | 6.27                         | 6.27                              |                             |                          |                              |                              | 1.3E-04                   |                        |                            | 1.3E-04                                     |
| 7439-92-1  | -Lead and Compounds            | 13.5                            | 13.5                         | 13.5                              |                             |                          |                              |                              | <SL**                     | <SL**                  | <SL**                      |   |
| 7439-96-5  | Manganese (Non-diet)           | 53.7                            | 53.7                         | 53.7                              |                             |                          |                              |                              | 1.9E-03                   |                        | 4.1E-06                    | 1.9E-03                                     |
| 7440-02-0  | Nickel Soluble Salts           | 5.29                            | 5.29                         | 5.29                              |                             |                          | 1.9E-12                      | 1.9E-12                      | 2.3E-04                   |                        | 2.0E-06                    | 2.3E-04                                     |
| 14797-55-8 | Nitrate (measured as nitrogen) | 2.12                            | 2.12                         | 2.12                              |                             |                          |                              |                              | 1.1E-06                   |                        |                            | 1.1E-06                                     |
| 120-12-7   | -Anthracene                    | 0.0379                          | 0.0379                       | 0.0379                            |                             |                          |                              |                              | 1.1E-07                   | 6.0E-08                |                            | 1.7E-07                                     |
| 56-55-3    | -Benz[a]anthracene             | 0.38                            | 0.38                         | 0.38                              | 1.2E-08                     | 6.4E-09                  | 4.0E-10                      | 1.8E-08                      |                           |                        |                            |   |
| 50-32-8    | -Benzo[a]pyrene                | 0.411                           | 0.411                        | 0.411                             | 1.3E-07                     | 6.9E-08                  | 3.4E-13                      | 1.9E-07                      | 1.2E-03                   | 6.5E-04                | 7.9E-07                    | 1.8E-03                                     |
| 205-99-2   | -Benzo[b]fluoranthene          | 0.561                           | 0.561                        | 0.561                             | 1.7E-08                     | 9.4E-09                  | 4.6E-14                      | 2.7E-08                      |                           |                        |                            |   |
| 207-08-9   | -Benzo[k]fluoranthene          | 0.189                           | 0.189                        | 0.189                             | 5.8E-10                     | 3.2E-10                  | 1.6E-15                      | 9.0E-10                      |                           |                        |                            |   |
| 218-01-9   | -Chrysene                      | 0.476                           | 0.476                        | 0.476                             | 1.5E-10                     | 8.0E-11                  | 3.9E-16                      | 2.3E-10                      |                           |                        |                            |   |
| 53-70-3    | -Dibenz[a,h]anthracene         | 0.0817                          | 0.0817                       | 0.0817                            | 2.5E-08                     | 1.4E-08                  | 6.7E-14                      | 3.9E-08                      |                           |                        |                            |   |
| 206-44-0   | -Fluoranthene                  | 0.51                            | 0.51                         | 0.51                              |                             |                          |                              |                              | 1.1E-05                   | 6.0E-06                |                            | 1.7E-05                                     |
| 193-39-5   | -Indeno[1,2,3-cd]pyrene        | 0.254                           | 0.254                        | 0.254                             | 7.8E-09                     | 4.3E-09                  | 2.1E-14                      | 1.2E-08                      |                           |                        |                            |   |
| 129-00-0   | -Pyrene                        | 0.569                           | 0.569                        | 0.569                             |                             |                          |                              |                              | 1.6E-05                   | 8.9E-06                |                            | 2.5E-05                                     |
| 7440-22-4  | Silver                         | 0.0262                          | 0.0262                       | 0.0262                            |                             |                          |                              |                              | 4.5E-06                   |                        |                            | 4.5E-06                                     |
| 108-88-3   | Toluene                        | 0.00187                         | 0.00187                      | 0.00187                           |                             |                          |                              |                              | 2.0E-08                   |                        | 1.9E-08                    | 3.9E-08                                     |
| 7440-62-2  | Vanadium and Compounds         | 7.88                            | 7.88                         | 7.88                              |                             |                          |                              |                              | 1.3E-03                   |                        | 3.0E-07                    | 1.3E-03                                     |
| 7440-66-6  | Zinc and Compounds             | 32.9                            | 32.9                         | 32.9                              |                             |                          |                              |                              | 9.4E-05                   |                        |                            | 9.4E-05                                     |

Cumulative:

5.3E-07

1.2E-02

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: SED-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                        | 0.0257                          | 0.0257                       | 0.0257                            |                             |                          |                              |                              | 1.6E-07                   |                        |                            | 1.6E-07                                     |
| 7440-38-2  | Arsenic, Inorganic             | 0.711                           | 0.711                        | 0.711                             | 3.9E-07                     | 5.5E-08                  | 6.6E-13                      | 4.5E-07                      | 7.8E-03                   | 9.2E-04                | 2.7E-08                    | 8.7E-03                                     |
| 7440-39-3  | Barium                         | 10.1                            | 10.1                         | 10.1                              |                             |                          |                              |                              | 2.8E-04                   |                        | 1.2E-08                    | 2.8E-04                                     |
| 7440-41-7  | Beryllium and compounds        | 0.081                           | 0.081                        | 0.081                             |                             |                          | 4.2E-14                      | 4.2E-14                      | 2.2E-04                   |                        | 2.3E-09                    | 2.2E-04                                     |
| 7440-43-9  | Cadmium (Diet)                 | 0.0604                          | 0.0604                       | 0.0604                            |                             |                          | 2.3E-14                      | 2.3E-14                      | 3.3E-03                   | 3.1E-04                | 3.5E-09                    | 3.6E-03                                     |
| 16065-83-1 | Chromium(III), Insoluble Salts | 4.07                            | 4.07                         | 4.07                              |                             |                          |                              |                              | 1.5E-05                   |                        |                            | 1.5E-05                                     |
| 7440-48-4  | Cobalt                         | 1.65                            | 1.65                         | 1.65                              |                             |                          | 3.2E-12                      | 3.2E-12                      | 3.0E-02                   |                        | 1.6E-07                    | 3.0E-02                                     |
| 7440-50-8  | Copper                         | 6.27                            | 6.27                         | 6.27                              |                             |                          |                              |                              | 8.6E-04                   |                        |                            | 8.6E-04                                     |
| 7439-92-1  | -Lead and Compounds            | 13.5                            | 13.5                         | 13.5                              |                             |                          |                              |                              | <SL**                     | <SL**                  | <SL**                      |   |
| 7439-96-5  | Manganese (Non-diet)           | 53.7                            | 53.7                         | 53.7                              |                             |                          |                              |                              | 1.2E-02                   |                        | 6.2E-07                    | 1.2E-02                                     |
| 7440-02-0  | Nickel Soluble Salts           | 5.29                            | 5.29                         | 5.29                              |                             |                          | 2.9E-13                      | 2.9E-13                      | 1.4E-03                   |                        | 3.1E-07                    | 1.4E-03                                     |
| 14797-55-8 | Nitrate (measured as nitrogen) | 2.12                            | 2.12                         | 2.12                              |                             |                          |                              |                              | 7.3E-06                   |                        |                            | 7.3E-06                                     |
| 120-12-7   | -Anthracene                    | 0.0379                          | 0.0379                       | 0.0379                            |                             |                          |                              |                              | 6.9E-07                   | 2.1E-07                |                            | 9.1E-07                                     |
| 56-55-3    | -Benz[a]anthracene             | 0.38                            | 0.38                         | 0.38                              | 1.1E-07                     | 3.5E-08                  | 1.7E-10                      | 1.4E-07                      |                           |                        |                            |   |
| 50-32-8    | -Benzo[a]pyrene                | 0.411                           | 0.411                        | 0.411                             | 1.2E-06                     | 3.8E-07                  | 1.5E-13                      | 1.5E-06                      | 7.5E-03                   | 2.3E-03                | 1.2E-07                    | 9.8E-03                                     |
| 205-99-2   | -Benzo[b]fluoranthene          | 0.561                           | 0.561                        | 0.561                             | 1.6E-07                     | 5.2E-08                  | 2.0E-14                      | 2.1E-07                      |                           |                        |                            |   |
| 207-08-9   | -Benzo[k]fluoranthene          | 0.189                           | 0.189                        | 0.189                             | 5.3E-09                     | 1.8E-09                  | 6.7E-16                      | 7.1E-09                      |                           |                        |                            |   |
| 218-01-9   | -Chrysene                      | 0.476                           | 0.476                        | 0.476                             | 1.3E-09                     | 4.4E-10                  | 1.7E-16                      | 1.8E-09                      |                           |                        |                            |   |
| 53-70-3    | -Dibenzo[a,h]anthracene        | 0.0817                          | 0.0817                       | 0.0817                            | 2.3E-07                     | 7.6E-08                  | 2.9E-14                      | 3.0E-07                      |                           |                        |                            |   |
| 206-44-0   | -Fluoranthene                  | 0.51                            | 0.51                         | 0.51                              |                             |                          |                              |                              | 7.0E-05                   | 2.2E-05                |                            | 9.1E-05                                     |
| 193-39-5   | -Indeno[1,2,3-cd]pyrene        | 0.254                           | 0.254                        | 0.254                             | 7.1E-08                     | 2.4E-08                  | 9.0E-15                      | 9.5E-08                      |                           |                        |                            |   |
| 129-00-0   | -Pyrene                        | 0.569                           | 0.569                        | 0.569                             |                             |                          |                              |                              | 1.0E-04                   | 3.2E-05                |                            | 1.4E-04                                     |
| 7440-22-4  | Silver                         | 0.0262                          | 0.0262                       | 0.0262                            |                             |                          |                              |                              | 2.9E-05                   |                        |                            | 2.9E-05                                     |
| 108-88-3   | Toluene                        | 0.00187                         | 0.00187                      | 0.00187                           |                             |                          |                              |                              | 1.3E-07                   |                        | 2.8E-09                    | 1.3E-07                                     |
| 7440-62-2  | Vanadium and Compounds         | 7.88                            | 7.88                         | 7.88                              |                             |                          |                              |                              | 8.6E-03                   |                        | 4.5E-08                    | 8.6E-03                                     |
| 7440-66-6  | Zinc and Compounds             | 32.9                            | 32.9                         | 32.9                              |                             |                          |                              |                              | 6.0E-04                   |                        |                            | 6.0E-04                                     |

Cumulative: 2.7E-06

7.7E-02

## North Carolina Department of Environmental Quality Risk Calculator

|                          |   |
|--------------------------|---|
| <b>Version Date:</b>     | January 2025                                  |
| <b>Basis:</b>            | November 2024 EPA RSL Table                   |
| <b>Site Name:</b>        | City of Durham Parks - East Durham Park       |
| <b>Site Address:</b>     | 2500 East Main Street, Durham, North Carolina |
| <b>DEQ Section:</b>      | Pre-Regulatory Landfill Group                 |
| <b>Site ID:</b>          | NONCD0000821                                  |
| <b>Exposure Unit ID:</b> | SED-6   |
| <b>Submittal Date:</b>   | 2/5/2026                                      |
| <b>Prepared By:</b>      | Clay Faircloth                                |
| <b>Reviewed By:</b>      | Jerry Paul                                    |

Exposure Point Concentrations

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: SED-6

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<br><b>For the chemicals highlighted in blue, data entry notes are provided in the PSRG Table link on the Main Menu</b> | 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 |
|--------------------------------------|--------|------------|---|-----------------------------------|-----------------------------------|-------|-----------------------------------|---------------------|---------------------------|----------------------------------|------------------|--|--------------------------|---------------------------|-----------------|-------------------------------------|
| 0.0519                               |        | 67-64-1    | Acetone   |                                   |                                   | mg/kg | SED-6                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.289                                | J      | 7440-36-0  | Antimony (metallic)   |                                   |                                   | mg/kg | SED-6                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.616                                |        | 7440-38-2  | Arsenic, Inorganic  |                                   |                                   | mg/kg | SED-6                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 14.6                                 |        | 7440-39-3  | Barium  |                                   |                                   | mg/kg | SED-6                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.0557                               | J      | 7440-41-7  | Beryllium and compounds   |                                   |                                   | mg/kg | SED-6                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.0869                               | J      | 7440-43-9  | Cadmium (Diet)  |                                   |                                   | mg/kg | SED-6                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.0587                               | J      | 105-60-2   | Caprolactam   |                                   |                                   | mg/kg | SED-6                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 5.65                                 |        | 16065-83-1 | Chromium(III), Insoluble Salts  |                                   |                                   | mg/kg | SED-6                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 1.57                                 |        | 7440-48-4  | Cobalt  |                                   |                                   | mg/kg | SED-6                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 8.65                                 |        | 7440-50-8  | Copper  |                                   |                                   | mg/kg | SED-6                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 27                                   |        | 7439-92-1  | ~Lead and Compounds   |                                   |                                   | mg/kg | SED-6                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 83.1                                 |        | 7439-96-5  | Manganese (Non-diet)  |                                   |                                   | mg/kg | SED-6                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 3.83                                 |        | 7440-02-0  | Nickel Soluble Salts  |                                   |                                   | mg/kg | SED-6                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 2.66                                 | J      | 14797-55-8 | Nitrate (measured as nitrogen)  |                                   |                                   | mg/kg | SED-6                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.0217                               | J      | 205-99-2   | ~Benzo[b]fluoranthene   |                                   |                                   | mg/kg | SED-6                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.0174                               | J      | 7440-22-4  | Silver  |                                   |                                   | mg/kg | SED-6                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.00156                              | J      | 108-88-3   | Toluene   |                                   |                                   | mg/kg | SED-6                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 8.27                                 |        | 7440-62-2  | Vanadium and Compounds  |                                   |                                   | mg/kg | SED-6                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 57.6                                 |        | 7440-66-6  | Zinc and Compounds  |                                   |                                   | mg/kg | SED-6                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |

**Version Date:** January 2025

**Basis:** November 2024 EPA RSL Table

**Site ID:** NONCD0000821

**Exposure Unit ID:** SED-6

**DIRECT CONTACT SOIL AND WATER CALCULATORS**

| Receptor               | Pathway          | Carcinogenic Risk | Hazard Index | Risk exceeded? |
|------------------------|------------------|-------------------|--------------|----------------|
| Resident               | Soil             | 9.3E-07           | 1.8E-01      | NO             |
|                        | Groundwater Use* | NC                | NC           | NC             |
| Non-Residential Worker | Soil             | 2.1E-07           | 1.2E-02      | NO             |
|                        | Groundwater Use* | NC                | NC           | NC             |
| Construction Worker    | Soil             | NC                | NC           | NC             |
| Recreator/Trespasser   | Soil             | 4.0E-07           | 7.7E-02      | NO             |
|                        | Surface Water*   | NC                | NC           | NC             |

**VAPOR INTRUSION CALCULATORS**

| Receptor               | Pathway                   | Carcinogenic Risk | Hazard Index | Risk exceeded? |
|------------------------|---------------------------|-------------------|--------------|----------------|
| Resident               | Groundwater to Indoor Air | NC                | NC           | NC             |
|                        | Soil Gas to Indoor Air    | NC                | NC           | NC             |
|                        | Indoor Air                | NC                | NC           | NC             |
| Non-Residential Worker | Groundwater to Indoor Air | NC                | NC           | NC             |
|                        | Soil Gas to Indoor Air    | NC                | NC           | NC             |
|                        | Indoor Air                | NC                | NC           | NC             |

**CONTAMINANT MIGRATION CALCULATORS**

| Pathway       | Source             | Target Receptor Concentrations Exceeded? |    |
|---------------|--------------------|--|----|
| Groundwater   | Source Soil        | Exceedence of 2L at Receptor?            | NC |
|               | Source Groundwater | Exceedence of 2L at Receptor?            | NC |
| Surface Water | Source Soil        | Exceedence of 2B at Receptor?            | NC |
|               | Source Groundwater | Exceedence of 2B at Receptor?            | NC |

- Notes:
1. If lead concentrations were entered in the exposure point concentration tables, see the individual calculator sheets for lead concentrations in comparison to screening levels. Note that lead is not included in cumulative risk calculations.
  2. \* = If concentrations in groundwater exceed the NC 2L Standards or IMAC, or concentrations in surface water exceed the NC 2B Standards, appropriate remediation and/or institutional control measures will be necessary to be eligible for a risk-based closure.
  3. NM = Not modeled, required contaminant migration parameters were not entered.
  4. NC = Pathway not calculated, user did not check this pathway as complete.

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: SED-6

\* - 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                        | 0.0519                          | 0.0519                       | 0.0519                            |                             |                          |                               |                              | 7.4E-07                   |                        |                             | 7.4E-07                                     |
| 7440-36-0  | Antimony (metallic)            | 0.289                           | 0.289                        | 0.289                             |                             |                          |                               |                              | 9.2E-03                   |                        | 1.6E-08                     | 9.2E-03                                     |
| 7440-38-2  | Arsenic, Inorganic             | 0.616                           | 0.616                        | 0.616                             | 8.0E-07                     | 1.1E-07                  | 1.6E-11                       | 9.1E-07                      | 1.6E-02                   | 1.9E-03                | 6.6E-07                     | 1.8E-02                                     |
| 7440-39-3  | Barium                         | 14.6                            | 14.6                         | 14.6                              |                             |                          |                               |                              | 9.3E-04                   |                        | 4.7E-07                     | 9.3E-04                                     |
| 7440-41-7  | Beryllium and compounds        | 0.0557                          | 0.0557                       | 0.0557                            |                             |                          | 8.0E-13                       | 8.0E-13                      | 3.6E-04                   |                        | 4.5E-08                     | 3.6E-04                                     |
| 7440-43-9  | Cadmium (Diet)                 | 0.0869                          | 0.0869                       | 0.0869                            |                             |                          | 9.4E-13                       | 9.4E-13                      | 1.1E-02                   | 1.1E-03                | 1.4E-07                     | 1.2E-02                                     |
| 105-60-2   | Caprolactam                    | 0.0587                          | 0.0587                       | 0.0587                            |                             |                          |                               |                              | 1.5E-06                   | 3.6E-07                | 4.3E-10                     | 1.9E-06                                     |
| 16065-83-1 | Chromium(III), Insoluble Salts | 5.65                            | 5.65                         | 5.65                              |                             |                          |                               |                              | 4.8E-05                   |                        |                             | 4.8E-05                                     |
| 7440-48-4  | Cobalt                         | 1.57                            | 1.57                         | 1.57                              |                             |                          | 8.5E-11                       | 8.5E-11                      | 6.7E-02                   |                        | 4.2E-06                     | 6.7E-02                                     |
| 7440-50-8  | Copper                         | 8.65                            | 8.65                         | 8.65                              |                             |                          |                               |                              | 2.8E-03                   |                        |                             | 2.8E-03                                     |
| 7439-92-1  | -Lead and Compounds            | 27                              | 27                           | 27                                |                             |                          |                               |                              | <SL**                     | <SL**                  | <SL**                       |   |
| 7439-96-5  | Manganese (Non-diet)           | 83.1                            | 83.1                         | 83.1                              |                             |                          |                               |                              | 4.4E-02                   |                        | 2.7E-05                     | 4.4E-02                                     |
| 7440-02-0  | Nickel Soluble Salts           | 3.83                            | 3.83                         | 3.83                              |                             |                          |                               |                              | 2.4E-03                   |                        | 6.2E-06                     | 2.5E-03                                     |
| 14797-55-8 | Nitrate (measured as nitrogen) | 2.66                            | 2.66                         | 2.66                              |                             |                          |                               |                              | 2.1E-05                   |                        |                             | 2.1E-05                                     |
| 205-99-2   | -Benzo[b]fluoranthene          | 0.0217                          | 0.0217                       | 0.0217                            | 1.4E-08                     | 4.7E-09                  | 2.2E-14                       | 1.9E-08                      |                           |                        |                             |   |
| 7440-22-4  | Silver                         | 0.0174                          | 0.0174                       | 0.0174                            |                             |                          |                               |                              | 4.4E-05                   |                        |                             | 4.4E-05                                     |
| 108-88-3   | Toluene                        | 0.00156                         | 0.00156                      | 0.00156                           |                             |                          |                               |                              | 2.5E-07                   |                        | 6.6E-08                     | 3.1E-07                                     |
| 7440-62-2  | Vanadium and Compounds         | 8.27                            | 8.27                         | 8.27                              |                             |                          |                               |                              | 2.1E-02                   |                        | 1.3E-06                     | 2.1E-02                                     |
| 7440-66-6  | Zinc and Compounds             | 57.6                            | 57.6                         | 57.6                              |                             |                          |                               |                              | 2.5E-03                   |                        |                             | 2.5E-03                                     |

Cumulative:

9.3E-07

1.8E-01

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: SED-6

\* - 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                        | 0.0519                          | 0.0519                       | 0.0519                            |                             |                          |                              |                              | 4.9E-08                   |                        |                            | 4.9E-08                                     |
| 7440-36-0  | Antimony (metallic)            | 0.289                           | 0.289                        | 0.289                             |                             |                          |                              |                              | 6.2E-04                   |                        | 3.7E-09                    | 6.2E-04                                     |
| 7440-38-2  | Arsenic, Inorganic             | 0.616                           | 0.616                        | 0.616                             | 1.7E-07                     | 3.6E-08                  | 3.6E-12                      | 2.1E-07                      | 1.1E-03                   | 2.2E-04                | 1.6E-07                    | 1.3E-03                                     |
| 7440-39-3  | Barium                         | 14.6                            | 14.6                         | 14.6                              |                             |                          |                              |                              | 6.3E-05                   |                        | 1.1E-07                    | 6.3E-05                                     |
| 7440-41-7  | Beryllium and compounds        | 0.0557                          | 0.0557                       | 0.0557                            |                             |                          | 1.8E-13                      | 1.8E-13                      | 2.4E-05                   |                        | 1.1E-08                    | 2.4E-05                                     |
| 7440-43-9  | Cadmium (Diet)                 | 0.0869                          | 0.0869                       | 0.0869                            |                             |                          | 2.1E-13                      | 2.1E-13                      | 7.4E-04                   | 1.3E-04                | 3.3E-08                    | 8.7E-04                                     |
| 105-60-2   | Caprolactam                    | 0.0587                          | 0.0587                       | 0.0587                            |                             |                          |                              |                              | 1.0E-07                   | 4.3E-08                | 1.0E-10                    | 1.4E-07                                     |
| 16065-83-1 | Chromium(III), Insoluble Salts | 5.65                            | 5.65                         | 5.65                              |                             |                          |                              |                              | 3.2E-06                   |                        |                            | 3.2E-06                                     |
| 7440-48-4  | Cobalt                         | 1.57                            | 1.57                         | 1.57                              |                             |                          | 1.9E-11                      | 1.9E-11                      | 4.5E-03                   |                        | 1.0E-06                    | 4.5E-03                                     |
| 7440-50-8  | Copper                         | 8.65                            | 8.65                         | 8.65                              |                             |                          |                              |                              | 1.9E-04                   |                        |                            | 1.9E-04                                     |
| 7439-92-1  | -Lead and Compounds            | 27                              | 27                           | 27                                |                             |                          |                              |                              | <SL**                     | <SL**                  | <SL**                      |   |
| 7439-96-5  | Manganese (Non-diet)           | 83.1                            | 83.1                         | 83.1                              |                             |                          |                              |                              | 3.0E-03                   |                        | 6.4E-06                    | 3.0E-03                                     |
| 7440-02-0  | Nickel Soluble Salts           | 3.83                            | 3.83                         | 3.83                              |                             |                          | 1.4E-12                      | 1.4E-12                      | 1.6E-04                   |                        | 1.5E-06                    | 1.7E-04                                     |
| 14797-55-8 | Nitrate (measured as nitrogen) | 2.66                            | 2.66                         | 2.66                              |                             |                          |                              |                              | 1.4E-06                   |                        |                            | 1.4E-06                                     |
| 205-99-2   | -Benzo[b]fluoranthene          | 0.0217                          | 0.0217                       | 0.0217                            | 6.6E-10                     | 3.7E-10                  | 1.8E-15                      | 1.0E-09                      |                           |                        |                            |   |
| 7440-22-4  | Silver                         | 0.0174                          | 0.0174                       | 0.0174                            |                             |                          |                              |                              | 3.0E-06                   |                        |                            | 3.0E-06                                     |
| 108-88-3   | Toluene                        | 0.00156                         | 0.00156                      | 0.00156                           |                             |                          |                              |                              | 1.7E-08                   |                        | 1.6E-08                    | 3.2E-08                                     |
| 7440-62-2  | Vanadium and Compounds         | 8.27                            | 8.27                         | 8.27                              |                             |                          |                              |                              | 1.4E-03                   |                        | 3.2E-07                    | 1.4E-03                                     |
| 7440-66-6  | Zinc and Compounds             | 57.6                            | 57.6                         | 57.6                              |                             |                          |                              |                              | 1.6E-04                   |                        |                            | 1.6E-04                                     |

Cumulative:

2.1E-07

1.2E-02

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: SED-6

\* - 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                        | 0.0519                          | 0.0519                       | 0.0519                            |                             |                          |                              |                              | 3.2E-07                   |                        |                            | 3.2E-07                                     |
| 7440-36-0  | Antimony (metallic)            | 0.289                           | 0.289                        | 0.289                             |                             |                          |                              |                              | 4.0E-03                   |                        | 5.6E-10                    | 4.0E-03                                     |
| 7440-38-2  | Arsenic, Inorganic             | 0.616                           | 0.616                        | 0.616                             | 3.4E-07                     | 4.8E-08                  | 5.7E-13                      | 3.9E-07                      | 6.8E-03                   | 8.0E-04                | 2.4E-08                    | 7.6E-03                                     |
| 7440-39-3  | Barium                         | 14.6                            | 14.6                         | 14.6                              |                             |                          |                              |                              | 4.0E-04                   |                        | 1.7E-08                    | 4.0E-04                                     |
| 7440-41-7  | Beryllium and compounds        | 0.0557                          | 0.0557                       | 0.0557                            |                             |                          | 2.9E-14                      | 2.9E-14                      | 1.5E-04                   |                        | 1.6E-09                    | 1.5E-04                                     |
| 7440-43-9  | Cadmium (Diet)                 | 0.0869                          | 0.0869                       | 0.0869                            |                             |                          | 3.4E-14                      | 3.4E-14                      | 4.8E-03                   | 4.5E-04                | 5.0E-09                    | 5.2E-03                                     |
| 105-60-2   | Caprolactam                    | 0.0587                          | 0.0587                       | 0.0587                            |                             |                          |                              |                              | 6.4E-07                   | 1.5E-07                | 1.5E-11                    | 8.0E-07                                     |
| 16065-83-1 | Chromium(III), Insoluble Salts | 5.65                            | 5.65                         | 5.65                              |                             |                          |                              |                              | 2.1E-05                   |                        |                            | 2.1E-05                                     |
| 7440-48-4  | Cobalt                         | 1.57                            | 1.57                         | 1.57                              |                             |                          | 3.0E-12                      | 3.0E-12                      | 2.9E-02                   |                        | 1.5E-07                    | 2.9E-02                                     |
| 7440-50-8  | Copper                         | 8.65                            | 8.65                         | 8.65                              |                             |                          |                              |                              | 1.2E-03                   |                        |                            | 1.2E-03                                     |
| 7439-92-1  | -Lead and Compounds            | 27                              | 27                           | 27                                |                             |                          |                              |                              | <SL**                     | <SL**                  | <SL**                      |   |
| 7439-96-5  | Manganese (Non-diet)           | 83.1                            | 83.1                         | 83.1                              |                             |                          |                              |                              | 1.9E-02                   |                        | 9.6E-07                    | 1.9E-02                                     |
| 7440-02-0  | Nickel Soluble Salts           | 3.83                            | 3.83                         | 3.83                              |                             |                          | 2.1E-13                      | 2.1E-13                      | 1.0E-03                   |                        | 2.2E-07                    | 1.0E-03                                     |
| 14797-55-8 | Nitrate (measured as nitrogen) | 2.66                            | 2.66                         | 2.66                              |                             |                          |                              |                              | 9.1E-06                   |                        |                            | 9.1E-06                                     |
| 205-99-2   | -Benzo[b]fluoranthene          | 0.0217                          | 0.0217                       | 0.0217                            | 6.1E-09                     | 2.0E-09                  | 7.7E-16                      | 8.1E-09                      |                           |                        |                            |   |
| 7440-22-4  | Silver                         | 0.0174                          | 0.0174                       | 0.0174                            |                             |                          |                              |                              | 1.9E-05                   |                        |                            | 1.9E-05                                     |
| 108-88-3   | Toluene                        | 0.00156                         | 0.00156                      | 0.00156                           |                             |                          |                              |                              | 1.1E-07                   |                        | 2.3E-09                    | 1.1E-07                                     |
| 7440-62-2  | Vanadium and Compounds         | 8.27                            | 8.27                         | 8.27                              |                             |                          |                              |                              | 9.0E-03                   |                        | 4.8E-08                    | 9.0E-03                                     |
| 7440-66-6  | Zinc and Compounds             | 57.6                            | 57.6                         | 57.6                              |                             |                          |                              |                              | 1.1E-03                   |                        |                            | 1.1E-03                                     |

Cumulative:

4.0E-07

7.7E-02

## North Carolina Department of Environmental Quality Risk Calculator

|                          |   |
|--------------------------|---|
| <b>Version Date:</b>     | January 2025                                  |
| <b>Basis:</b>            | November 2024 EPA RSL Table                   |
| <b>Site Name:</b>        | City of Durham Parks - East Durham Park       |
| <b>Site Address:</b>     | 2500 East Main Street, Durham, North Carolina |
| <b>DEQ Section:</b>      | Pre-Regulatory Landfill Group                 |
| <b>Site ID:</b>          | NONCD0000821                                  |
| <b>Exposure Unit ID:</b> | SED-7   |
| <b>Submittal Date:</b>   | 2/5/2026                                      |
| <b>Prepared By:</b>      | Clay Faircloth                                |
| <b>Reviewed By:</b>      | Jerry Paul                                    |

Exposure Point Concentrations

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: SED-7

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<br><b>For the chemicals highlighted in blue, data entry notes are provided in the PSRG Table link on the Main Menu</b> | 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 |
|--------------------------------------|--------|------------|---|-----------------------------------|-----------------------------------|-------|-----------------------------------|---------------------|---------------------------|----------------------------------|------------------|--|--------------------------|---------------------------|-----------------|-------------------------------------|
| 0.0296                               |        | 67-64-1    | Acetone   |                                   |                                   | mg/kg | SED-7                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.427                                | J      | 7440-38-2  | Arsenic, Inorganic  |                                   |                                   | mg/kg | SED-7                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 9.81                                 |        | 7440-39-3  | Barium  |                                   |                                   | mg/kg | SED-7                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.0457                               | J      | 7440-41-7  | Beryllium and compounds   |                                   |                                   | mg/kg | SED-7                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.0457                               | J      | 7440-43-9  | Cadmium (Diet)  |                                   |                                   | mg/kg | SED-7                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 4.41                                 |        | 16065-83-1 | Chromium(III), Insoluble Salts  |                                   |                                   | mg/kg | SED-7                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 1.06                                 |        | 7440-48-4  | Cobalt  |                                   |                                   | mg/kg | SED-7                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 5.26                                 |        | 7440-50-8  | Copper  |                                   |                                   | mg/kg | SED-7                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 13.7                                 |        | 7439-92-1  | ~Lead and Compounds   |                                   |                                   | mg/kg | SED-7                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 64.5                                 |        | 7439-96-5  | Manganese (Non-diet)  |                                   |                                   | mg/kg | SED-7                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 2.4                                  |        | 7440-02-0  | Nickel Soluble Salts  |                                   |                                   | mg/kg | SED-7                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 2.58                                 | J      | 14797-55-8 | Nitrate (measured as nitrogen)  |                                   |                                   | mg/kg | SED-7                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.0368                               | J      | 56-55-3    | ~Benz[a]anthracene  |                                   |                                   | mg/kg | SED-7                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.0554                               | J      | 50-32-8    | ~Benzo[a]pyrene   |                                   |                                   | mg/kg | SED-7                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.0795                               | J      | 205-99-2   | ~Benzo[b]fluoranthene   |                                   |                                   | mg/kg | SED-7                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.0503                               | J      | 218-01-9   | ~Chrysene   |                                   |                                   | mg/kg | SED-7                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.0801                               | J      | 206-44-0   | ~Fluoranthene   |                                   |                                   | mg/kg | SED-7                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.0467                               | J      | 193-39-5   | ~Indeno[1,2,3-cd]pyrene   |                                   |                                   | mg/kg | SED-7                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.0671                               | J      | 129-00-0   | ~Pyrene   |                                   |                                   | mg/kg | SED-7                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.0192                               | J      | 7440-22-4  | Silver  |                                   |                                   | mg/kg | SED-7                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 0.0025                               | J      | 108-88-3   | Toluene   |                                   |                                   | mg/kg | SED-7                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 6.42                                 |        | 7440-62-2  | Vanadium and Compounds  |                                   |                                   | mg/kg | SED-7                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |
| 28.5                                 |        | 7440-66-6  | Zinc and Compounds  |                                   |                                   | mg/kg | SED-7                             |                     |                           |                                  |                  |  |                          |                           |                 |                                     |

**Version Date:** January 2025

**Basis:** November 2024 EPA RSL Table

**Site ID:** NONCD0000821

**Exposure Unit ID:** SED-7

**DIRECT CONTACT SOIL AND WATER CALCULATORS**

| Receptor               | Pathway          | Carcinogenic Risk | Hazard Index | Risk exceeded? |
|------------------------|------------------|-------------------|--------------|----------------|
| Resident               | Soil             | 1.3E-06           | 1.2E-01      | NO             |
|                        | Groundwater Use* | NC                | NC           | NC             |
| Non-Residential Worker | Soil             | 1.8E-07           | 8.4E-03      | NO             |
|                        | Groundwater Use* | NC                | NC           | NC             |
| Construction Worker    | Soil             | NC                | NC           | NC             |
| Recreator/Trespasser   | Soil             | 5.4E-07           | 5.3E-02      | NO             |
|                        | Surface Water*   | NC                | NC           | NC             |

**VAPOR INTRUSION CALCULATORS**

| Receptor               | Pathway                   | Carcinogenic Risk | Hazard Index | Risk exceeded? |
|------------------------|---------------------------|-------------------|--------------|----------------|
| Resident               | Groundwater to Indoor Air | NC                | NC           | NC             |
|                        | Soil Gas to Indoor Air    | NC                | NC           | NC             |
|                        | Indoor Air                | NC                | NC           | NC             |
| Non-Residential Worker | Groundwater to Indoor Air | NC                | NC           | NC             |
|                        | Soil Gas to Indoor Air    | NC                | NC           | NC             |
|                        | Indoor Air                | NC                | NC           | NC             |

**CONTAMINANT MIGRATION CALCULATORS**

| Pathway       | Source             | Target Receptor Concentrations Exceeded? |    |
|---------------|--------------------|--|----|
| Groundwater   | Source Soil        | Exceedence of 2L at Receptor?            | NC |
|               | Source Groundwater | Exceedence of 2L at Receptor?            | NC |
| Surface Water | Source Soil        | Exceedence of 2B at Receptor?            | NC |
|               | Source Groundwater | Exceedence of 2B at Receptor?            | NC |

- Notes:
1. If lead concentrations were entered in the exposure point concentration tables, see the individual calculator sheets for lead concentrations in comparison to screening levels. Note that lead is not included in cumulative risk calculations.
  2. \* = If concentrations in groundwater exceed the NC 2L Standards or IMAC, or concentrations in surface water exceed the NC 2B Standards, appropriate remediation and/or institutional control measures will be necessary to be eligible for a risk-based closure.
  3. NM = Not modeled, required contaminant migration parameters were not entered.
  4. NC = Pathway not calculated, user did not check this pathway as complete.

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: SED-7

\* - 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                        | 0.0296                          | 0.0296                       | 0.0296                            |                             |                          |                               |                              | 4.2E-07                   |                        |                             | 4.2E-07                                     |
| 7440-38-2  | Arsenic, Inorganic             | 0.427                           | 0.427                        | 0.427                             | 5.5E-07                     | 7.8E-08                  | 1.1E-11                       | 6.3E-07                      | 1.1E-02                   | 1.3E-03                | 4.6E-07                     | 1.2E-02                                     |
| 7440-39-3  | Barium                         | 9.81                            | 9.81                         | 9.81                              |                             |                          |                               |                              | 6.3E-04                   |                        | 3.2E-07                     | 6.3E-04                                     |
| 7440-41-7  | Beryllium and compounds        | 0.0457                          | 0.0457                       | 0.0457                            |                             |                          | 6.6E-13                       | 6.6E-13                      | 2.9E-04                   |                        | 3.7E-08                     | 2.9E-04                                     |
| 7440-43-9  | Cadmium (Diet)                 | 0.0457                          | 0.0457                       | 0.0457                            |                             |                          | 4.9E-13                       | 4.9E-13                      | 5.8E-03                   | 5.5E-04                | 7.4E-08                     | 6.4E-03                                     |
| 16065-83-1 | Chromium(III), Insoluble Salts | 4.41                            | 4.41                         | 4.41                              |                             |                          |                               |                              | 3.8E-05                   |                        |                             | 3.8E-05                                     |
| 7440-48-4  | Cobalt                         | 1.06                            | 1.06                         | 1.06                              |                             |                          | 5.7E-11                       | 5.7E-11                      | 4.5E-02                   |                        | 2.9E-06                     | 4.5E-02                                     |
| 7440-50-8  | Copper                         | 5.26                            | 5.26                         | 5.26                              |                             |                          |                               |                              | 1.7E-03                   |                        |                             | 1.7E-03                                     |
| 7439-92-1  | -Lead and Compounds            | 13.7                            | 13.7                         | 13.7                              |                             |                          |                               |                              | <SL**                     | <SL**                  | <SL**                       |   |
| 7439-96-5  | Manganese (Non-diet)           | 64.5                            | 64.5                         | 64.5                              |                             |                          |                               |                              | 3.4E-02                   |                        | 2.1E-05                     | 3.4E-02                                     |
| 7440-02-0  | Nickel Soluble Salts           | 2.4                             | 2.4                          | 2.4                               |                             |                          | 3.7E-12                       | 3.7E-12                      | 1.5E-03                   |                        | 3.9E-06                     | 1.5E-03                                     |
| 14797-55-8 | Nitrate (measured as nitrogen) | 2.58                            | 2.58                         | 2.58                              |                             |                          |                               |                              | 2.1E-05                   |                        |                             | 2.1E-05                                     |
| 56-55-3    | -Benz[a]anthracene             | 0.0368                          | 0.0368                       | 0.0368                            | 2.4E-08                     | 8.0E-09                  | 4.6E-10                       | 3.3E-08                      |                           |                        |                             |   |
| 50-32-8    | -Benzo[a]pyrene                | 0.0554                          | 0.0554                       | 0.0554                            | 3.6E-07                     | 1.2E-07                  | 5.5E-13                       | 4.8E-07                      | 2.4E-03                   | 7.3E-04                | 4.5E-07                     | 3.1E-03                                     |
| 205-99-2   | -Benzo[b]fluoranthene          | 0.0795                          | 0.0795                       | 0.0795                            | 5.2E-08                     | 1.7E-08                  | 7.9E-14                       | 6.9E-08                      |                           |                        |                             |   |
| 218-01-9   | -Chrysene                      | 0.0503                          | 0.0503                       | 0.0503                            | 3.3E-10                     | 1.1E-10                  | 5.0E-16                       | 4.4E-10                      |                           |                        |                             |   |
| 206-44-0   | -Fluoranthene                  | 0.0801                          | 0.0801                       | 0.0801                            |                             |                          |                               |                              | 2.6E-05                   | 7.9E-06                |                             | 3.4E-05                                     |
| 193-39-5   | -Indeno[1,2,3-cd]pyrene        | 0.0467                          | 0.0467                       | 0.0467                            | 3.0E-08                     | 1.0E-08                  | 4.7E-14                       | 4.1E-08                      |                           |                        |                             |   |
| 129-00-0   | -Pyrene                        | 0.0671                          | 0.0671                       | 0.0671                            |                             |                          |                               |                              | 2.9E-05                   | 8.8E-06                |                             | 3.7E-05                                     |
| 7440-22-4  | Silver                         | 0.0192                          | 0.0192                       | 0.0192                            |                             |                          |                               |                              | 4.9E-05                   |                        |                             | 4.9E-05                                     |
| 108-88-3   | Toluene                        | 0.0025                          | 0.0025                       | 0.0025                            |                             |                          |                               |                              | 4.0E-07                   |                        | 1.1E-07                     | 5.0E-07                                     |
| 7440-62-2  | Vanadium and Compounds         | 6.42                            | 6.42                         | 6.42                              |                             |                          |                               |                              | 1.6E-02                   |                        | 1.0E-06                     | 1.6E-02                                     |
| 7440-66-6  | Zinc and Compounds             | 28.5                            | 28.5                         | 28.5                              |                             |                          |                               |                              | 1.2E-03                   |                        |                             | 1.2E-03                                     |

Cumulative:

1.3E-06

1.2E-01

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: SED-7

\* - 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                        | 0.0296                          | 0.0296                       | 0.0296                            |                             |                          |                              |                              | 2.8E-08                   |                        |                            | 2.8E-08                                     |
| 7440-38-2  | Arsenic, Inorganic             | 0.427                           | 0.427                        | 0.427                             | 1.2E-07                     | 2.5E-08                  | 2.5E-12                      | 1.4E-07                      | 7.3E-04                   | 1.5E-04                | 1.1E-07                    | 8.9E-04                                     |
| 7440-39-3  | Barium                         | 9.81                            | 9.81                         | 9.81                              |                             |                          |                              |                              | 4.2E-05                   |                        | 7.6E-08                    | 4.2E-05                                     |
| 7440-41-7  | Beryllium and compounds        | 0.0457                          | 0.0457                       | 0.0457                            |                             |                          | 1.5E-13                      | 1.5E-13                      | 2.0E-05                   |                        | 8.8E-09                    | 2.0E-05                                     |
| 7440-43-9  | Cadmium (Diet)                 | 0.0457                          | 0.0457                       | 0.0457                            |                             |                          | 1.1E-13                      | 1.1E-13                      | 3.9E-04                   | 6.6E-05                | 1.8E-08                    | 4.6E-04                                     |
| 16065-83-1 | Chromium(III), Insoluble Salts | 4.41                            | 4.41                         | 4.41                              |                             |                          |                              |                              | 2.5E-06                   |                        |                            | 2.5E-06                                     |
| 7440-48-4  | Cobalt                         | 1.06                            | 1.06                         | 1.06                              |                             |                          | 1.3E-11                      | 1.3E-11                      | 3.0E-03                   |                        | 6.8E-07                    | 3.0E-03                                     |
| 7440-50-8  | Copper                         | 5.26                            | 5.26                         | 5.26                              |                             |                          |                              |                              | 1.1E-04                   |                        |                            | 1.1E-04                                     |
| 7439-92-1  | -Lead and Compounds            | 13.7                            | 13.7                         | 13.7                              |                             |                          |                              |                              | <SL**                     | <SL**                  | <SL**                      |   |
| 7439-96-5  | Manganese (Non-diet)           | 64.5                            | 64.5                         | 64.5                              |                             |                          |                              |                              | 2.3E-03                   |                        | 5.0E-06                    | 2.3E-03                                     |
| 7440-02-0  | Nickel Soluble Salts           | 2.4                             | 2.4                          | 2.4                               |                             |                          | 8.6E-13                      | 8.6E-13                      | 1.0E-04                   |                        | 9.2E-07                    | 1.0E-04                                     |
| 14797-55-8 | Nitrate (measured as nitrogen) | 2.58                            | 2.58                         | 2.58                              |                             |                          |                              |                              | 1.4E-06                   |                        |                            | 1.4E-06                                     |
| 56-55-3    | -Benz[a]anthracene             | 0.0368                          | 0.0368                       | 0.0368                            | 1.1E-09                     | 6.2E-10                  | 3.8E-11                      | 1.8E-09                      |                           |                        |                            |   |
| 50-32-8    | -Benzo[a]pyrene                | 0.0554                          | 0.0554                       | 0.0554                            | 1.7E-08                     | 9.3E-09                  | 4.6E-14                      | 2.6E-08                      | 1.6E-04                   | 8.7E-05                | 1.1E-07                    | 2.5E-04                                     |
| 205-99-2   | -Benzo[b]fluoranthene          | 0.0795                          | 0.0795                       | 0.0795                            | 2.4E-09                     | 1.3E-09                  | 6.6E-15                      | 3.8E-09                      |                           |                        |                            |   |
| 218-01-9   | -Chrysene                      | 0.0503                          | 0.0503                       | 0.0503                            | 1.5E-11                     | 8.5E-12                  | 4.1E-17                      | 2.4E-11                      |                           |                        |                            |   |
| 206-44-0   | -Fluoranthene                  | 0.0801                          | 0.0801                       | 0.0801                            |                             |                          |                              |                              | 1.7E-06                   | 9.4E-07                |                            | 2.7E-06                                     |
| 193-39-5   | -Indeno[1,2,3-cd]pyrene        | 0.0467                          | 0.0467                       | 0.0467                            | 1.4E-09                     | 7.9E-10                  | 3.9E-15                      | 2.2E-09                      |                           |                        |                            |   |
| 129-00-0   | -Pyrene                        | 0.0671                          | 0.0671                       | 0.0671                            |                             |                          |                              |                              | 1.9E-06                   | 1.1E-06                |                            | 3.0E-06                                     |
| 7440-22-4  | Silver                         | 0.0192                          | 0.0192                       | 0.0192                            |                             |                          |                              |                              | 3.3E-06                   |                        |                            | 3.3E-06                                     |
| 108-88-3   | Toluene                        | 0.0025                          | 0.0025                       | 0.0025                            |                             |                          |                              |                              | 2.7E-08                   |                        | 2.5E-08                    | 5.2E-08                                     |
| 7440-62-2  | Vanadium and Compounds         | 6.42                            | 6.42                         | 6.42                              |                             |                          |                              |                              | 1.1E-03                   |                        | 2.5E-07                    | 1.1E-03                                     |
| 7440-66-6  | Zinc and Compounds             | 28.5                            | 28.5                         | 28.5                              |                             |                          |                              |                              | 8.1E-05                   |                        |                            | 8.1E-05                                     |

Cumulative:

1.8E-07

8.4E-03

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: SED-7

\* - 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                        | 0.0296                          | 0.0296                       | 0.0296                            |                             |                          |                              |                              | 1.8E-07                   |                        |                            | 1.8E-07                                     |
| 7440-38-2  | Arsenic, Inorganic             | 0.427                           | 0.427                        | 0.427                             | 2.4E-07                     | 3.3E-08                  | 3.9E-13                      | 2.7E-07                      | 4.7E-03                   | 5.6E-04                | 1.6E-08                    | 5.2E-03                                     |
| 7440-39-3  | Barium                         | 9.81                            | 9.81                         | 9.81                              |                             |                          |                              |                              | 2.7E-04                   |                        | 1.1E-08                    | 2.7E-04                                     |
| 7440-41-7  | Beryllium and compounds        | 0.0457                          | 0.0457                       | 0.0457                            |                             |                          | 2.4E-14                      | 2.4E-14                      | 1.3E-04                   |                        | 1.3E-09                    | 1.3E-04                                     |
| 7440-43-9  | Cadmium (Diet)                 | 0.0457                          | 0.0457                       | 0.0457                            |                             |                          | 1.8E-14                      | 1.8E-14                      | 2.5E-03                   | 2.4E-04                | 2.6E-09                    | 2.7E-03                                     |
| 16065-83-1 | Chromium(III), Insoluble Salts | 4.41                            | 4.41                         | 4.41                              |                             |                          |                              |                              | 1.6E-05                   |                        |                            | 1.6E-05                                     |
| 7440-48-4  | Cobalt                         | 1.06                            | 1.06                         | 1.06                              |                             |                          | 2.0E-12                      | 2.0E-12                      | 1.9E-02                   |                        | 1.0E-07                    | 1.9E-02                                     |
| 7440-50-8  | Copper                         | 5.26                            | 5.26                         | 5.26                              |                             |                          |                              |                              | 7.2E-04                   |                        |                            | 7.2E-04                                     |
| 7439-92-1  | -Lead and Compounds            | 13.7                            | 13.7                         | 13.7                              |                             |                          |                              |                              | <SL**                     | <SL**                  | <SL**                      |   |
| 7439-96-5  | Manganese (Non-diet)           | 64.5                            | 64.5                         | 64.5                              |                             |                          |                              |                              | 1.5E-02                   |                        | 7.4E-07                    | 1.5E-02                                     |
| 7440-02-0  | Nickel Soluble Salts           | 2.4                             | 2.4                          | 2.4                               |                             |                          | 1.3E-13                      | 1.3E-13                      | 6.6E-04                   |                        | 1.4E-07                    | 6.6E-04                                     |
| 14797-55-8 | Nitrate (measured as nitrogen) | 2.58                            | 2.58                         | 2.58                              |                             |                          |                              |                              | 8.8E-06                   |                        |                            | 8.8E-06                                     |
| 56-55-3    | -Benz[a]anthracene             | 0.0368                          | 0.0368                       | 0.0368                            | 1.0E-08                     | 3.4E-09                  | 1.7E-11                      | 1.4E-08                      |                           |                        |                            |   |
| 50-32-8    | -Benzo[a]pyrene                | 0.0554                          | 0.0554                       | 0.0554                            | 1.6E-07                     | 5.2E-08                  | 2.0E-14                      | 2.1E-07                      | 1.0E-03                   | 3.1E-04                | 1.6E-08                    | 1.3E-03                                     |
| 205-99-2   | -Benzo[b]fluoranthene          | 0.0795                          | 0.0795                       | 0.0795                            | 2.2E-08                     | 7.4E-09                  | 2.8E-15                      | 3.0E-08                      |                           |                        |                            |   |
| 218-01-9   | -Chrysene                      | 0.0503                          | 0.0503                       | 0.0503                            | 1.4E-10                     | 4.7E-11                  | 1.8E-17                      | 1.9E-10                      |                           |                        |                            |   |
| 206-44-0   | -Fluoranthene                  | 0.0801                          | 0.0801                       | 0.0801                            |                             |                          |                              |                              | 1.1E-05                   | 3.4E-06                |                            | 1.4E-05                                     |
| 193-39-5   | -Indeno[1,2,3-cd]pyrene        | 0.0467                          | 0.0467                       | 0.0467                            | 1.3E-08                     | 4.4E-09                  | 1.7E-15                      | 1.7E-08                      |                           |                        |                            |   |
| 129-00-0   | -Pyrene                        | 0.0671                          | 0.0671                       | 0.0671                            |                             |                          |                              |                              | 1.2E-05                   | 3.8E-06                |                            | 1.6E-05                                     |
| 7440-22-4  | Silver                         | 0.0192                          | 0.0192                       | 0.0192                            |                             |                          |                              |                              | 2.1E-05                   |                        |                            | 2.1E-05                                     |
| 108-88-3   | Toluene                        | 0.0025                          | 0.0025                       | 0.0025                            |                             |                          |                              |                              | 1.7E-07                   |                        | 3.8E-09                    | 1.7E-07                                     |
| 7440-62-2  | Vanadium and Compounds         | 6.42                            | 6.42                         | 6.42                              |                             |                          |                              |                              | 7.0E-03                   |                        | 3.7E-08                    | 7.0E-03                                     |
| 7440-66-6  | Zinc and Compounds             | 28.5                            | 28.5                         | 28.5                              |                             |                          |                              |                              | 5.2E-04                   |                        |                            | 5.2E-04                                     |

Cumulative:

5.4E-07

5.3E-02