Remedial Investigation Report
Playground Materials Removal & Sampling

Northgate Park – NONCD0000825
Durham, Durham County, North Carolina
NCDEQ Task Order: 821RI-3 & 821RI-4
S&ME Project No. 23050630

PREPARED FOR:

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

PREPARED BY:

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January 30, 2025

January 30, 2025

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

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

Reference: **Remedial Investigation Report – Playground Materials Removal & Sampling**
Northgate Park – 308 W. Club Blvd & 400 W. Lavender Avenue
Durham, Durham County, North Carolina
NCDEQ ID No. NONCD0000825
NCDEQ Task Order: 821RI-3 & 821RI-4
S&ME Project No. 23050630

Dear Mr. Kelt:

S&ME, Inc. (S&ME) is submitting this remedial investigation report to NCDEQ for the removal and sampling of existing surficial playground materials conducted at the above-referenced site in Durham, North Carolina. S&ME completed this removal process in general conformance with S&ME proposals 23020630AM (Task Order 821RI-3), submitted on July 26, 2024, and 23020630AN (Task Order 821RI-4), submitted on July 26, 2024. The attached report includes the summary of the following tasks:

- Playground Materials Removal;
- Dust Particulate and Air Monitoring (Lead);
- Subgrade Soil Cover Evaluation and Sampling; and,
- NCDEQ Risk Calculator Evaluations.

We appreciate the opportunity to provide environmental consulting services to NCDEQ. Please contact us if you have any questions about the information included in this report.

Sincerely,

S&ME, Inc.

Emily Hermann
Environmental Staff Geologist
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Senior Reviewed by: Thomas P. Raymond, P.E., P.M.P.

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1.0 Summary of Current Activities

S&ME completed the scope of services listed below for the proposed playground materials removal effort in general conformance with S&ME proposals 23020630AM (Task Order 821RI-3), submitted on July 26, 2024, and 23020630AN (Task Order 821RI-4), submitted on July 26, 2024:

- Provided field-management of playgrounds material removal efforts.
- Provided dust particulate and air-monitoring for lead concurrently with ongoing playgrounds material removal efforts.
- Conducted sampling of the soil beneath the playground materials.
- Prepared this report.

S&ME's services were performed in general accordance with the North Carolina Department of Environmental Quality (NCDEQ), *Guidelines for Addressing Pre-Regulatory Landfills and Dumps* (March 2022) and S&ME's approved *Standard Operating Procedures and Quality Assurance (SOP/QA) Manual (July 2010)*, previously approved by NCDEQ.

2.0 Playground Materials Removal & Replacement

2.1 Playground Materials Removal

From September 12, 2024, through September 24, 2024, an S&ME representative oversaw subcontractor removal of the playground materials (mulch, gravel and soil) from the Northgate Park Playground. A total of 178.52 tons were removed from Northgate playgrounds and properly disposed of at the Great Oaks Landfill in Randleman, North Carolina. Photos of construction are included in **Appendix I**. A copy of the daily field reports is included in **Appendix II**. A copy of the Non-Hazardous Waste Disposal Manifest and associated weight tickets are included in **Appendix III**.

2.2 Playground Backfilling

Following the removal of playground materials and the collection of representative soil samples, the Subcontractor initiated backfilling over the exposed subgrade. Prior to backfilling the playground area, the contractor placed a non-woven geosynthetic fabric over the soil/waste. Backfilling was comprised of approximately four inches of stone obtained from an active quarry facility. The stone was delivered into the playground area and spread/tracked into place.

2.3 Playground Cleanup

In general accordance with the approved work plan, S&ME directed the remediation subcontractors to clean up the playground and surrounding parking lot/park areas following the completion of the playground backfilling. The following protocol was observed:

- Broom cleaning paved areas of the project that were disturbed by the removal effort.
- Raking/roughly landscaping all disturbed areas including the surface of the playground.

- Disturbed areas and infilled soils were stabilized with the addition of fertilizer, seed, and mulch.

3.0 Air Monitoring (Lead)

3.1 Air Monitoring (Lead)

Dust particulate and air monitoring was conducted on September 20 and 23, 2024, concurrently with excavation activities. Dust particulate and air monitoring was not conducted on September 12, 13, 16 through 19 during periods of excessive rain where potential dust was naturally controlled. S&ME monitored dust particulates that were possibly generated by using a Dust Trak DRX Handheld unit located downwind of the perimeter of the work. The unit was moved as needed to be located downwind of the work zone and the surrounding areas of continued resident utilization. Sampling pumps were also setup to collect representative air samples in each monitoring zone. The samples were collected and analyzed for lead at a North Carolina certified laboratory. Results for the air monitoring are included in **Table 1**. None of the collected samples were reported by the lab at concentrations exceeding the laboratory method detection limits. A copy of the laboratory reports and chain of custody forms are included in **Appendix IV**.

4.0 Playground Soil Assessment

4.1 Playground Soil Cover Thickness Evaluation

To assess the soil cover thickness across the investigation area, S&ME field representatives installed 59 individual soil borings on an approximate 25-foot sample grid (25 feet by 25 feet). Within each grid node, S&ME collected one grab sample from the center of the grid (grab sample for volatile organic compounds (VOCs) and offset by approximately five feet in four directions (N, S, E, and W) to collect composite samples for all other analyses listed below. At locations where obstructions (playground equipment) were encountered, the borings were off set to collect representative composite samples.

In some coverage areas the sample grids were less than 25 feet by 25 feet in size. At these locations, S&ME field personnel attempted to collect one representative sample in the middle of the investigation area and additional composite samples (if possible) from the investigation area.

On September 19, 2024, S&ME field representatives advanced 13 composite grid center borings (NP_Playground 1-SB-01 through NP_Playground 1-SB-03, NP_Playground 2-SB-01 through NP_Playground 2-SB-06, and NP_Playground 3-SB-01 through NP_Playground 3-SB-04). A total of 59 individual soil borings were installed across the investigation area. The composite soil cover boring locations are shown on **Figure 1**.

It was noted that waste products (brick, glass, asphalt and plastic) were found in every boring in the playground and were commonly found surface level after material removal.

4.2 Playground Soil Sampling

Soil cover borings were installed using a stainless-steel six-inch electric auger, which was decontaminated with liquinox and deionized water between each use. At each boring location, the power auger was used to collect a representative soil sample to an approximate depth of twelve inches bgs. At each location, S&ME utilized a photo-ionization detector (PID) to field screen the soil cover samples for VOCs. S&ME collected a total of 13 composite soil cover samples (plus one quality control duplicate sample and trip blank sample for each day of sampling) and submitted them under standard chain-of-custody protocol to Pace Analytical National Center for Testing and Innovation in Mt. Juliet Tennessee.

Samples NP_Playground 1-SB-01 through NP_Playground 1-SB-03, NP_Playground 2-SB-01 through NP_Playground 2-SB-06, and NP_Playground 3-SB-01 through NP_Playground 3-SB-04 were analyzed for the following:

- Volatile Organic Compounds by Method 8260B
- Semi-Volatile Organic Compounds by Method 8270D
- Metals by Method 6020B
- Mercury by Method 7471B
- Hexavalent Chromium by Method 7199
- 1,4-Dioxane by Method 8270 SIM
- Ammonia by Method 350.1
- Nitrate-N & Sulfate by Method 9056

Coordinates of the soil borings are included in **Appendix V**. The individual grab sample locations are shown on **Figure 1.**

4.3 Playground Materials Subgrade Sampling Results

Field Screened VOCs were measured from 0.0 parts per million (ppm) to 0.7 ppm in the collected samples across the investigation area.

A summary of the laboratory results is included as **Table 2**. The laboratory reports and chain of custody forms are included in **Appendix IV**.

The laboratory reported concentrations of lead exceeding the USEPA health-based screening level of 200 milligrams per kilogram (mg/kg) and equivalent to 200 parts per million (ppm) in 3 of the 14 composite samples that were submitted for laboratory analysis. Areas of the site reported to exceed the USEPA health-based screening level for lead from RI-4 are presented on **Figure 2**.

4.4 NCDEQ Risk Calculator

S&ME used the July 2024 version of NCDEQ's Risk Calculator, downloaded from the NCDEQ website to quantify the risks that chemicals that potentially cause cancer (carcinogens) and noncarcinogens pose to park users. Carcinogenic and noncarcinogenic effects are evaluated separately as discussed below.

The risk characterization for carcinogens is expressed in terms of a probability that an individual will develop an excess cancer risk due to exposure to site-related contaminants. The cancer risk is summed

across all carcinogenic chemicals and exposure routes (ingestion, dermal, and inhalation) to determine cumulative cancer risks.

The potential for noncancer effects is evaluated by comparing the estimated contaminant exposure[1] to a reference threshold. This threshold represents the exposure below which it 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).

To consider the soil acceptable for the intended use, the cumulative cancer risk must be less than or equal to 1.0×10^{-04}, and the HI for noncarcinogenic chemicals must be less than or equal to 1.0. These thresholds are used by both the USEPA and the NCDEQ. If the HI is greater than 1.0, further evaluation was conducted to determine whether the individual HQs affect the same target tissue or organ system.

Consistent with the NCDEQ Inactive Hazardous Sites Branch (IHSB) sampling procedures for determining risks for residential (unrestricted) use, a sampling grid was used to divide the three playgrounds into four and three grids each as described in **Section 4.1**.

A five-point composite sample was collected in each sampling grid to estimate the grid's average contaminant concentration.

The maximum concentration of the samples collected in each grid is used to determine if the existing soil is suitable for residential use. The goal of the soil cover evaluation process is to determine which of the 13 grids need to be included in the risk-based remediation for the site. All grids with lead concentrations exceeding the USEPA RSL of 200 mg/kg were automatically added to the list of grids requiring remediation and the remaining grids are evaluated further using the following screening process:

1. The soil sample grids where lead was detected in soil cover samples above the RSL of 200 milligrams per kilogram (mg/kg) were not included for further risk evaluation, therefore, risks were not quantified for these grids. The sample grids with lead above 200 mg/kg are: NP_Playground 2-SB-02, NP_Playground 2-SB-05 and NP_Playground 2-SB-06.

2. Detected contaminants were evaluated against the USEPA residential regional screening levels (RSLs) at an incremental cancer risk (ICR) = 1.0×10^{-06} and HI = 0.1 to identify chemicals of potential concern (COPCs). COPCs are the chemicals in an environmental medium that, based on concentration and toxicity, are most likely to contribute significantly to risks for exposures involving that medium. See **Table 2** for the list of COPCs that were excluded as COPCs due to low concentrations and/or low toxicity.

The initial risk calculation was conducted by entering the maximum concentration of all COPCs, regardless of location. One risk calculator was run for Playground 1, two risk calculators were run for Playground 2, one individual risk calculator was run for a grid removed from Playground 2 (NP_Playground 2-SB-04) and another run for Playground 3.

The results for Playground 1 show the cumulative ICR to be acceptable ($< 1.0 \times 10^{-04}$) and the Hazard Index less than 1.0. The cumulative risk was not exceeded for the Resident and Non-Residential Worker Receptors, therefore, no additional risk calculators were run (**Appendix VI**).

The results for Playground 2 show the cumulative ICR to be acceptable (< 1.0 x 10^{-04}), however, the cumulative non-carcinogenic HI exceeded 1.0, with a manganese HI of 1.3. This indicates that at least one sampling grid exceeds the acceptable noncarcinogenic risk, so an iterative truncation process was used to determine which sampling grid(s) exceeded. The truncation process consists of removing the sampling grid responsible for contributing the highest individual risk, then recalculating the risk. This process is documented in **Appendix VI** and resulted in removing grid NP_Playground 2-SB-04. Following the removal of grid NP_Playground 2-SB-04, risks were calculated for the remaining grids in Playground 2. No individual HIs exceeded 1.0, and the cumulative HI was less than 1.0. A critical effects evaluation shows all critical effects HIs were less than or equal to 1.0, indicating risk for the remaining grids is acceptable.

The results for Playground 3 show the cumulative ICR to be acceptable (< 1.0 x 10^{-04}) and the Hazard Index less than 1.0. (**Appendix VI**). The cumulative risk was not exceeded for the Resident and Non-Residential Worker Receptors, therefore, no additional risk calculators were run.

1 For risk assessment purposes, a residential exposure scenario was used for this park. It was assumed 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).

5.0 Quality Control

Quality control samples were collected and analyzed as follows:

Playground Material Sample Duplicates

- One duplicate sample was collected during sampling. The duplicate sample was analyzed for the same parameters as the record sample. Analytical results of the duplicate and the record samples were within an acceptable relative percent difference.

Trip Blank

- One trip blank sample of laboratory provided Deionized Water was kept with the laboratory samples throughout the 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. Reported laboratory analytical data met data quality objectives.

6.0 Deviation From Work Plan

No deviations from the proposed work plan were encountered.

7.0 Sole Use Statement

This report is solely intended for use by NCDEQ for the services that were performed in accordance with S&ME proposals 23020630AM (Task Order 821RI-3), submitted on July 26, 2024, and 23020630AN (Task Order 821RI-4), submitted on July 26, 2024, as authorized by NCDEQ.

8.0 Certification Acknowledgement

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

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

Signature of Environmental Consultant

January 30, 2025
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 A 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 30th day of January, 2025.

Wilma Craft
Notary Public (signature)

(OFFICIAL SEAL) WILMA CRAFT
Notary Public, North Carolina
Wake County
My Commission Expires
March 12, 2028

My commission expires: March 12 2028

Figures

NOTES:
SOIL BORINGS ADVANCED ON SEPTEMBER 19, 2024.
SOIL SAMPLES COLLECTED FROM 0-1 FOOT BELOW GROUND SURFACE.
WASTE WAS ENCOUNTERED IN EACH SOIL SAMPLE LOCATION.
REFERENCE:
GIS BASE LAYERS WERE OBTAINED FROM THE LATEST NCONEMAP ORTHOIMAGERY LAYER. THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. ALL FEATURE LOCATIONS DISPLAYED ARE APPROXIMATED. THEY ARE NOT BASED ON CIVIL SURVEY INFORMATION, UNLESS STATED OTHERWISE.

NORTHGATE PLAYGOUND SOIL SAMPLE LOCATIONS

NORTHGATE PARK
NCDEQ ID NO. NONCD0000825, TASK ORDER 821RI-3 & 821RI-4
300 W. CLUB BOULEVARD & 404 W. LAVENDER AVENUE
DURHAM, NORTH CAROLINA

SCALE: 1 in = 40 ft
DATE: 1/16/2025
PROJECT NUMBER: 23050630
FIGURE NO.: 1

Drawing Path: T:\Raleigh-1050\Projects\2023\23050630_NCDEQ LF_City of Durham Parks (PRLF)_Durham NC\ENV\GIS\DP-2 and DP-5 Northgate Park\Northgate Park.aprx Plotted by: EmilyHermann

NOTES:
SOIL BORINGS WERE ADVANCED ON 9/19/2024.
SOIL SAMPLES COLLECTED FROM 0-1 FOOT BELOW GROUND SURFACE.
WASTE WAS ENCOUNTERED IN EACH SOIL SAMPLE LOCATION.
REFERENCE:
GIS BASE LAYERS WERE OBTAINED FROM THE LATEST NCONEMAP ORTHOIMAGERY LAYER. THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. ALL FEATURE LOCATIONS DISPLAYED ARE APPROXIMATED. THEY ARE NOT BASED ON CIVIL SURVEY INFORMATION, UNLESS STATED OTHERWISE.

COMBINED LEAD EXCEEDANCES AND RISK CALCULATOR RESULTS

NORTHGATE PARK
NCDEQ ID NO. NONCD000000825, TASK ORDER 821RI-3 812RI-4
300 W. CLUB BOULEVARD & 404 W. LAVENDER AVENUE
DURHAM, NORTH CAROLINA

SCALE:
1 in = 40 ft

DATE:
1/29/2025

PROJECT NUMBER
23050630

FIGURE NO.
2

Drawing Path: T:\Raleigh-1050\Projects\2023\23050630_NCDEQ LF_City of Durham Parks (PRLF)_Durham NC\ENV\GIS\DP-2 and DP-5 Northgate Park\Northgate Park.aprx Plotted by: RachelMoore

Tables

TABLE 1
Air Sample Analytical Results Summary
City of Durham Parks PRLF - Northgate Park
S&ME Project No. 23050630
NCDEQ Site ID No. NONCD0000825, Task Orders 821RI-3 and 821RI-4

Analytical Method →		NIOSH 7082 (µg/m3)
Analyte →		Lead
Sample ID	Date Collected	
825-Pb-01 (Upwind)	9/20/2024	<23
825-Pb-02 (Downwind)	9/23/2024	<6.2
USEPA Regional Screening Levels (TR=1E-06 & THQ=0.1)		**0.15**

Notes:
µg/m3 - micrograms per cubic meters.

TABLE 2
Soil Sample Analytical Results Summary
City of Durham Parks PRLF - Northgate Park
S&ME Project No. 23050630
NCDEQ Site ID No. NONCD0000825, Task Orders 821RI-3 and 821RI-4

Analytical Method →		Volatile Organic Compounds (VOCs) by EPA Method 8260B		Semi-Volatile Organic Compounds (SVOCs) by Method 8270D						
Analyte →		Benzene	Toluene	Benzo(a)anthracene	Benzo(b)fluoranthene	benzo(a)pyrene	Chrysene	Fluoranthene	Phenanthrene	Pyrene
Sample ID	Date Collected									
NG_Playground 1-SB-01	9/19/2024	**0.00251**	**0.0149**	<0.0445	<0.0445	<0.0445	<0.0445	<0.0445	<0.0445	<0.0445
NG_Playground 1-SB-02	9/19/2024	<0.00164	<0.00822	<0.0440	<0.0440	<0.0440	<0.0440	0.0606	<0.0440	0.0567
NG_Playground 1-SB-03	9/19/2024	<0.00195	<0.00977	<0.0475	<0.0475	<0.0475	<0.0475	<0.0475	<0.0475	<0.0475
NG_Playground 2-SB-01	9/19/2024	<0.00179	<0.00893	**0.0465**	**0.0682**	**0.0516**	**0.0501**	**0.115**	**0.0603**	**0.103**
NG_Playground 2-SB-02	9/19/2024	**0.00235**	<0.00855	<0.0447	<0.0447	<0.0447	<0.0447	<0.0447	<0.0447	<0.0447
NG_Playground 2-SB-03	9/19/2024	<0.00226	<0.0113	<0.0517	<0.0517	<0.0517	<0.0517	<0.0517	<0.0517	<0.0517
NG_Playground 2-SB-04	9/19/2024	<0.00200	<0.00999	<0.0474	**0.0552**	<0.0474	<0.0474	0.0875	0.0594	0.0722
NG_Playground 2-SB-05	9/19/2024	<0.00214	<0.0107	<0.0518	<0.0518	<0.0518	<0.0518	<0.0518	<0.0518	<0.0518
NG_Playground 2-SB-06	9/19/2024	<0.00183	<0.00916	<0.0455	<0.0455	<0.0455	<0.0455	<0.0455	<0.0455	<0.0455
NG_Playground 3-SB-01	9/19/2024	<0.00197	<0.00986	<0.0470	<0.0470	<0.0470	<0.0470	<0.0470	<0.0470	<0.0470
NG_Playground 3-SB-02	9/19/2024	<0.00172	<0.00860	<0.0447	<0.0447	<0.0447	<0.0447	<0.0447	<0.0447	<0.0447
NG_Playground 3-SB-03	9/19/2024	<0.00165	<0.00827	<0.0431	<0.0431	<0.0431	<0.0431	<0.0431	<0.0431	<0.0431
NG_Playground 3-SB-04	9/19/2024	<0.00265	<0.0133	<0.0450	<0.0450	<0.0450	<0.0450	<0.0450	<0.0450	<0.0450
DUP-1 (NG_Playground 1-SB-03)	9/19/2024	<0.00207	<0.0103	<0.0497	<0.0497	<0.0497	<0.0497	<0.0497	<0.0497	<0.0497
USEPA Regional Screening Levels (TR=1E-06 & THQ=0.1)		**1.2**	**490**	**1.1**	**1.1**	**0.11**	**110**	**240**	**180***	**180**

Notes:

mg/kg - milligrams per kilogram.

B: The same analyte is found in the associated blank.

P1: RPD value not applicable for sample concentrations less than 5 times the reporting limit.

E: The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initialcalibration (ICAL).

Soil sample collected from 0 - 1 foot below ground surface.

* - Surrogate value

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

Concentrations that exceed the USEPA Regional Screening Levels (TR+1E-06 & THQ=0.1) are **highlighted yellow.**

Concentrations of Lead that exceed the USEPA Health-Based Screening Level of 200 mg/kg are **highlighted yellow.**

TABLE 2
Soil Sample Analytical Results Summary
City of Durham Parks PRLF - Northgate Park
S&ME Project No. 23050630
NCDEQ Site ID No. NONCD0000825, Task Orders 821RI-3 and 821RI-4

Analytical Method →		Metals by EPA Method 6020B (mg/kg)													Hexavalent Chromium by Method 7199	Trivalent Chromium - Laboratory Calculated Results	Mercury by Method 7471B	Ammonia by Method 350.1	Wet Chemistry by Method 9056A		1,4-Dioxane by Method 8270 SIM
Analyte →		Antimony	Arsenic	Barium	Cadmium	Chromium	Cobalt	Copper	Lead	Manganese	Nickel	Silver	Vanadium	Zinc	Hexavalent Chromium	Trivalent Chromium	Mercury	Ammonia Nitrogen	Nitrate as (N)	Sulfate	1,4-Dioxane
Sample ID	Date Collected																				
NG_Playground 1-SB-01	9/19/2024	<4.01	**1.86**	**79.3**	<1.34	**13.6**	**5.03**	**24.7**	**51.2**	**347**	**8.14**	<0.668	**16.8**	**73.1**	<1.34	**13.6**	**0.225**	**16.7 P1**	<13.4	<66.8	<0.134
NG_Playground 1-SB-02	9/19/2024	<3.97	**2.99**	**69**	<1.32	**25.6**	**9.31**	**20.1**	**36.1**	**393**	**12.7**	<0.661	**32.1**	**51.9**	<1.32	**24.7**	**0.0762**	**16.0**	<13.2	<66.1	<0.132
NG_Playground 1-SB-03	9/19/2024	<4.28 J6	**3.1**	**57.7 82.3 B**	<1.43	**31**	**11.4**	**18.7**	**30**	**461**	**14.9**	<0.714	**38.3**	**46.2**	<1.43	**30.5**	<0.0571	<14.3	<14.3	<71.4	<0.143
NG_Playground 2-SB-01	9/19/2024	<4.07	**2.41**	**131**	<1.36	**17.9**	**9.53**	**37.1**	**90.3**	**256**	**9.25**	<0.679	**29.0**	**120**	<1.36	**17.9**	**0.094**	**35.3**	<13.6	<67.9	<0.136
NG_Playground 2-SB-02	9/19/2024	**6.49**	**7.34**	**457**	**2.95**	**13.2**	**5.8**	**489 E**	**2050**	**675**	**24.6**	**1.31**	**12.1**	**1680**	<1.34	**13.2**	**0.51**	<13.4	<13.4	<67.0	<0.134
NG_Playground 2-SB-03	9/19/2024	<4.66	**3.42**	**169**	<1.55	**38.2**	**12.2**	**49.3**	**45**	**386**	**19.3**	<0.776	**51.1**	**127**	<1.55	**38.2**	**0.0684**	**34.2**	<15.7	<78.4	<0.155
NG_Playground 2-SB-04	9/19/2024	<4.27	**3.54**	**129**	<1.42	**26.1**	**10.6**	**65.3**	**114**	**2430**	**14.2**	<0.712	**30.7**	**155**	<1.42	**26.1**	**0.0748**	**44.0**	<14.2	<71.2	<0.142
NG_Playground 2-SB-05	9/19/2024	**5.01**	**7.13**	**247**	<1.55	**43.7**	**14.1**	**152**	**333**	**588**	**25.8**	<0.777	**46.6**	**425**	<1.55	**43.2**	**0.245**	<15.5	<15.5	<77.7	<0.155
NG_Playground 2-SB-06	9/19/2024	<4.10	**6.19**	**374**	<1.37	**30.4**	**9.95**	**165**	**480**	**483**	**19.3**	**0.827**	**31.2**	**582**	<1.37	**30.4**	**0.111**	<13.7	<14.4	<71.8	<0.137
NG_Playground 3-SB-01	9/19/2024	<4.24	**1.74**	**101**	<1.41	**24.3**	**9.6**	**9.17**	**15.5**	**363**	**10.1**	<0.706	**36.1**	<35.3	<1.41	**24.3**	<0.0565	<14.1	<14.7	<73.4	<0.141
NG_Playground 3-SB-02	9/19/2024	<4.02	<1.34	**82**	<1.34	**21.3**	**8.08**	**7.37**	**13.1**	**290**	**7.57**	<0.670	**29.7**	<33.5	<1.34	**21.3**	<0.0536	<13.4	<13.4	<67.0	<0.134
NG_Playground 3-SB-03	9/19/2024	<3.88	**1.66**	**99.3**	<1.29	**22.6**	**13.1**	**13.2**	**26.4**	**544**	**9.09**	<0.647	**34**	**43.7**	<1.29	**22.6**	<0.0518	<12.9	<13.5	<67.3	<0.129
NG_Playground 3-SB-04	9/19/2024	<4.06	**1.91**	**103**	<1.35	**20.5**	**10.7**	**23.5**	**58.9**	**562**	**8.81**	<0.676	**29.1**	**80**	<1.35	**20.5**	<0.0541	<13.5	<13.8	<68.9	<0.135
DUP-1 (NG_Playground 1-SB-03)	9/19/2024	<4.48	**2.76**	**90.5**	<1.49	**31.5**	**13.6**	**17**	**21.2**	**523**	**15.6**	<0.746	**40.4**	**41.5**	<1.49	**31.0**	<0.0597	<14.9	<14.9	<74.6	<0.149
USEPA Regional Screening Levels (TR=1E-06 & THQ=0.1)		**3.1**	**0.68**	**1500**	**0.71**	**8500**	**2.3**	**310**	**200**	**180**	**140**	**39**	**39**	**2300**	**0.3**	**12000**	**2.3**	**NE**	**13000**	**NE**	**5**

Notes:
mg/kg - milligrams per kilogram.
B: The same analyte is found in the associated blank.
P1: RPD value not applicable for sample concentrations less than 5 times the reporting limit.
E: The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initialcalibration (ICAL).
Soil sample collected from 0 - 1 foot below ground surface.
* - Surrogate value
Concentrations shown in **BOLD** exceed the laboratory detection limits.
Concentrations that exceed the USEPA Regional Screening Levels (TR=1E-06 & THQ=0.1) are **highlighted yellow.**
Concentrations of Lead that exceed the USEPA Health-Based Screening Level of 200 mg/kg are **highlighted yellow.**

Appendices

Appendix I – Photographic Log

Photograph Log
300 W. Club Blvd & 404 W. Lavender Ave – Northgate Park
Durham, North Carolina
S&ME Project No. 23050630

Date: 9/12/2024

Photographer: Emily Hermann

1	**Location / Orientation**	Facing southeast looking at playground 1
	Remarks	Tall grass around the edge of playground

Date: 9/12/2024

Photographer: Emily Hermann

2	**Location / Orientation**	Facing southwest looking at playground 2
	Remarks	Furthest playground from the parking lot

Date: 9/12/2024

Photographer: Emily Hermann

3	**Location / Orientation**	Facing northwest looking at playground 3
	Remarks	Playground closest to parking lot

Date: 9/13/2024

Photographer: Emily Hermann

4	**Location / Orientation**	Looking southeast at playground 1
	Remarks	Ground is moist from excessive rainfall

Date: 9/19/2024

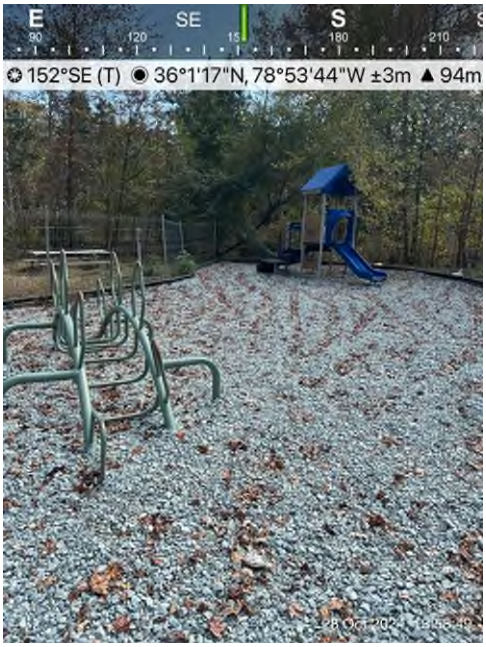
Photographer: Emily Hermann

5	**Location / Orientation**	Looking west at playground 2
	Remarks	Playground held water from excessive rain

Date: 9/19/2024

Photographer: Emily Hermann

6	**Location / Orientation**	Looking east at playground 3
	Remarks	10-12" of water collected in playground after excessive rain



Date: 10/28/2024

Photographer: Emily Hermann

7	**Location / Orientation**	Looking southeast at Playground 1
	Remarks	4" of gravel was placed

Date: 9/23/2024

Photographer: Emily Hermann

8	**Location / Orientation**	Looking north at playground 2
	Remarks	4" of gravel was placed

Date: 9/23/2024

Photographer: Emily Hermann

9	**Location / Orientation**	Looking north at playground 3
	Remarks	4" of gravel was placed

Date: 9/25/2024

Photographer: Emily Hermann

10	**Location / Orientation**	Facing northwest looking at playgrounds 2 & 3
	Remarks	Photo of landscaping after construction

Date: 9/25/2024

Photographer: Emily Hermann

11	**Location / Orientation**	Facing south looking at corner of parking lot
	Remarks	Photo of parking lot after cleanup

Appendix II – Daily Field Reports & Soil Boring Logs

BORING LOG

Project Name: Northgate Park
Job No. 23050630

Boring Number: NG_Playground 1-SB-01 **Drilling method:** Hand Auger
Sampling Personnel: Emily Hermann
Date Drilled: 9/19/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	Orange brown mud, very wet	0.0	NG_Playground 1-SB-01	0 - 12
		Waste - glass, brick, and asphalt found in boring			
		Boring terminated at 12 in. bgs.			

Notes:
1. in-BGS: Inches Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: NG_Playground 1-SB-02 **Drilling method:** Hand Auger
Sampling Personnel: Emily Hermann
Date Drilled: 9/19/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	Dark brown mud, very wet	0.0	NG_Playground 1-SB-02	0 - 12
		Waste - glass, brick, and asphalt found in boring			
		Boring terminated at 12 in. bgs.			

Notes:
1. in-BGS: Inches Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: NG_Playground 1-SB-03 **Drilling method:** Hand Auger
Sampling Personnel: Emily Hermann
Date Drilled: 9/19/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	Dark brown mud, very wet	0.0	NG_Playground 1-SB-03	0 - 12
		Waste - glass, brick, and asphalt found in boring			
		Boring terminated at 12 in. bgs.			

Notes:
1. in-BGS: Inches Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: NG_Playground 2-SB-01 **Drilling method:** Hand Auger
Sampling Personnel: Emily Hermann
Date Drilled: 9/19/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	Black brown mud, very wet	0.0	NG_Playground 2-SB-01	0 - 12
		Waste - glass, brick, and asphalt found in boring			
		Boring terminated at 12 in. bgs.			

Notes:
1. in-BGS: Inches Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: NG_Playground 2-SB-02 **Drilling method:** Hand Auger
Sampling Personnel: Emily Hermann
Date Drilled: 9/19/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	Black brown mud, very wet	0.0	NG_Playground 2-SB-02	0 - 12
		Waste - glass, brick, and asphalt found in boring			
		Boring terminated at 12 in. bgs.			

Notes:
1. in-BGS: Inches Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: NG_Playground 2-SB-03 **Drilling method:** Hand Auger
Sampling Personnel: Emily Hermann
Date Drilled: 9/19/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	Black brown mud, very wet	0.0	NG_Playground 2-SB-03	0 - 12
		Waste - glass, brick, and asphalt found in boring			
		Boring terminated at 12 in. bgs.			

Notes:
1. in-BGS: Inches Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: NG_Playground 2-SB-04 **Drilling method:** Hand Auger
Sampling Personnel: Emily Hermann
Date Drilled: 9/19/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	Brown orange mud, very wet	0.0	NG_Playground 2-SB-04	0 - 12
		Waste - glass, brick, and asphalt found in boring			
		Boring terminated at 12 in. bgs.			

Notes:
1. in-BGS: Inches Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: NG_Playground 2-SB-05 **Drilling method:** Hand Auger
Sampling Personnel: Emily Hermann
Date Drilled: 9/19/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	Brown orange mud, very wet	0.0	NG_Playground 2-SB-05	0 - 12
		Waste - glass, brick, and asphalt found in boring			
		Boring terminated at 12 in. bgs.			

Notes:
1. in-BGS: Inches Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: NG_Playground 2-SB-06 **Drilling method:** Hand Auger
Sampling Personnel: Emily Hermann
Date Drilled: 9/19/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	Black brown mud, very wet	0.0	NG_Playground 2-SB-06	0 - 12
		Waste - glass, brick, and asphalt found in boring			
		Boring terminated at 12 in. bgs.			

Notes:
1. in-BGS: Inches Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: NG_Playground 3-SB-01 **Drilling method:** Hand Auger
Sampling Personnel: Emily Hermann
Date Drilled: 9/19/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	light brown mud	0.4	NG_Playground 3-SB-01	0 - 12
		Waste - glass and brick found in boring			
		Boring terminated at 12 in. bgs.			

Notes:
1. in-BGS: Inches Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: NG_Playground 3-SB-02 **Drilling method:** Hand Auger
Sampling Personnel: Emily Hermann
Date Drilled: 9/19/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	Brown and grey mud	0.0	NG_Playground 3-SB-02	0 - 12
		Waste - glass and brick found in boring			
		Boring terminated at 12 in. bgs.			

Notes:
1. in-BGS: Inches Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: NG_Playground 3-SB-03 **Drilling method:** Hand Auger
Sampling Personnel: Emily Hermann
Date Drilled: 9/19/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	Dark brown mud	0.7	NG_Playground 3-SB-03	0 - 12
		Waste - glass and brick found in boring			
		Boring terminated at 12 in. bgs.			

Notes:
1. in-BGS: Inches Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: NG_Playground 3-SB-04 **Drilling method:** Hand Auger
Sampling Personnel: Emily Hermann
Date Drilled: 9/19/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	Light brown mud	0.0	NG_Playground 3-SB-03	0 - 12
		Waste - glass and brick found in boring			
		Boring terminated at 12 in. bgs.			

Notes:

1. in-BGS: Inches Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Environmental Field Report	
Date: September 12, 2024	**Job Number:** 23050630
Project Name: RI-3 Playground Materials Removal Oversight	**Weather/Temperature:** Constant Rain, 68 °F
Project Location: Durham Parks – Northgate 825	
Notes By: ☒ ☐	**Present at the Site:** Emily Hermann

Equipment Used
Camera

Purpose:

0800- Arrive onsite. Health and safety review. Talk to subcontractors involved in materials removal.

0830- Started moving equipment to Northgate Park

0900- Took site photos and documented all pre-existing damage in parking lot

1600- Left site for the day.

Note:

Moved all machines and equipment from Lyon Park to Northgate Park. Placed boards down between the parking lot and playground 1 to prevent damage to grass. No air sampling was conducted since no construction occurred.

Hours	Mileage	Signature of S&ME Personnel
8	54	Emily Herman

Environmental Field Report	
Date: September 13, 2024	**Job Number:** 23050630
Project Name: RI-3 Playground Materials Removal Oversight	**Weather/Temperature:** Constant Rain, 68 °F
Project Location: Durham Parks – Northgate 825	
Notes By: ☒ ☐	**Present at the Site:** Emily Hermann

Equipment Used
Camera

Purpose:

0800- Arrive onsite. Health and safety review. Talk to subcontractors involved in materials removal.

0900- Took site photos of construction and parking lot.

1000- Called it for the day due to heavy rain and unstable ground conditions

1030- Left site for the day.
*Left the site earlier than usual due to excessive ground saturation that prevented the utilization of material removal equipment. Rutted up ground would expose and damage tree roots.

Note:

No air monitoring/sampling was conducted today due to constant rain. S&ME representative noted damage starting to occur in the grass under plywood and decided it would be best to stop operations for the day.

Hours	Mileage	Signature of S&ME Personnel
2.5	54	

Environmental Field Report	
Date: September 16, 2024	**Job Number:** 23050630
Project Name: RI-3 Playground Materials Removal Oversight	**Weather/Temperature:** Sporadic Rain, 68 °F
Project Location: Durham Parks – Northgate 825	
Notes By: ☒ ☐	**Present at the Site:** Emily Hermann Rachel Moore

Equipment Used
Camera

Purpose:

0800- Arrive onsite. Health and safety review. Talk to subcontractors involved in materials removal.

0830- Took site photos of construction and parking lot

1300- Contractors covered curb stops and side of parking lot with gravel to create a path to 2nd and 3rd playgrounds

1500- Tidied up equipment and stopped for the day.

Note:

Playground 1 was completed and prepared for soil sampling. The plywood boards were picked up and moved over to playgrounds 2 and 3 with geofabric placed underneath. Contractors will start hauling stock piled mulch from the parking lot tomorrow (9/17) and more plywood will be picked up to finish the path near the 2nd and 3rd playground.

Hours	Mileage	Signature of S&ME Personnel
7	54	Emily Herman

Environmental Field Report	
Date: September 17, 2024	**Job Number:** 23050630
Project Name: RI-3 Playground Materials Removal Oversight	**Weather/Temperature:** Constant Rain, 68 °F
Project Location: Durham Parks – Northgate 825	
Notes By: ☒ ☐	**Present at the Site:** Rachel Moore

Equipment Used
Camera

Purpose:

0800- Arrive onsite. Health and safety review. Talk to subcontractors involved in materials removal.

0830- Signed waste manifests for mulch to be hauled off

1400- Tidied up the site by reposting corrugated signs, picking up assorted litter, and putting back up orange construction fencing.

1430- Left site for the day.
*Left the site earlier than usual due to excessive ground saturation that prevented the utilization of material removal equipment. Rutted up ground would expose and damage tree roots.

Note:

Signed manifests for 2 truck loads of mulch. Contractors began and finished removing materials from the playground closest to the parking lot with only swings. No air monitoring equipment wad used due to consistent rain and saturation of materials being removed. Air monitoring equipment cannot get wet. Saturated ground prevented kicking up any dust or other materials in the air. Approximately 6 inches of sitting rainwater remained within the concrete barrier of said playground after removal of mulch, fabric, and gravel.

Hours	Mileage	Signature of S&ME Personnel
6.5	54	Rachel Moore

Environmental Field Report	
Date: September 18, 2024	**Job Number:** 23050630
Project Name: RI-3 Playground Materials Removal Oversight	**Weather/Temperature:** Cloudy, Sporadic rain, Windy/ 79°F
Project Location: Durham Parks – Northgate 825	
Notes By: ☒ ☐	**Present at the Site:** Rachel Moore

Equipment Used
Camera

Purpose:

0800- Arrive onsite. Health and safety review. Talk to subcontractors involved in materials removal.

0830- Signed waste manifests for mulch to be hauled off.

1530- Tidied up site by putting back up the orange construction fencing.

1600- Left site for the day.

Note:

Signed manifests for 2 truckloads of mulch. Contractors began and completed the removal of approximately 50% of the ground materials from the large playground, farthest from the parking lot and closest to the tennis courts. For most of the day, a backhoe was used to transport the material from the playground to the stockpile in the parking lot instead of the dump truck. The backhoe carries exponentially less material than the dump truck, making the material removal process slower than usual. No air monitoring equipment was used due to consistent rain and saturation of materials being removed. Air monitoring equipment cannot get wet. Saturated ground prevented kicking up any dust or other materials in the air. Approximately 4 inches of sitting rainwater remained within the concrete barrier of the smallest playground due to rain over the previous 24 hours.

Hours	Mileage	Signature of S&ME Personnel
8	54	Rachel Moore

Environmental Field Report	
Date: September 19, 2024	**Job Number:** 23050630
Project Name: RI-3 & RI-4 Playground Materials Removal Oversight & Sampling	**Weather/Temperature:** Cloudy, Sporadic rain, Windy/ 79°F
Project Location: Durham Parks – Northgate 825	

Notes By:	Present at the Site:
☒	Emily Hermann
☐	Jonathan Olanin

Equipment Used
Electric Auger
Sample bags
Nitrile Gloves

Purpose:

0800- Arrive onsite. Health and safety review. Talk to subcontractors involved in materials removal.

0830- Signed waste manifests for mulch to be hauled off.

1045- Began pumping water out of playground 3

1300- Removed remainder of playground material in playground 3.

1350- Began soil sampling in playgrounds.

1700- Finished sampling, tidied up equipment and stopped work for the day.

1720- Left site for the day

Note:

Playground 3 was pumped out due to excessive water standing in bottom of playground due to rain. All 3 playgrounds were sampled and jarred. Lots of waste (glass, brick, asphalt) were found in all 3 playgrounds. No air monitoring/sampling was conducted due to rainy conditions.

Hours	Mileage	Signature of S&ME Personnel
9	54	Rachel Moore

Environmental Field Report	
Date: September 20, 2024	**Job Number:** 23050630
Project Name: RI-3 Playground Materials Removal Oversight	**Weather/Temperature:** Cloudy, Sporadic rain, Windy/ 79°F
Project Location: Durham Parks – Northgate 825	
Notes By: ☒ ☐	**Present at the Site:** Emily Hermann

Equipment Used
Camera
Dust Trak Handheld units
TSI Sidepak AM520

Purpose:

0800- Arrive onsite. Health and safety review. Talk to subcontractors involved in materials removal.

0830- Signed waste manifests for mulch to be hauled off.

1200- Began air sampling & monitoring

1330- Finished sampling and tidied up equipment.

1600- Left site for the day

Note:

Air monitoring & sampling was started later in the day due to rainy conditions. Air sample and soil samples were taken to the laboratory to be analyzed.

Hours	Mileage	Signature of S&ME Personnel
8	54	

Environmental Field Report	
Date: September 23, 2024	**Job Number:** 23050630
Project Name: RI-3 Playground Materials Removal Oversight	**Weather/Temperature:** Cloudy, Windy/ 69°F
Project Location: Durham Parks – Northgate 825	
Notes By: ☒ ☐	**Present at the Site:** Emily Hermann

Equipment Used
Camera
Dust Trak Handheld units
TSI Sidepak AM520

Purpose:

0800- Arrive onsite. Health and safety review. Talk to subcontractors involved in materials removal.

0830- Signed waste manifests for mulch to be hauled off.

1000- Set up air monitoring equipment and began sampling

1330- Finished sampling and tidied up equipment.

1600- Left site for the day

Note:

Gravel was placed in Playground 2 and Playground 3, planning to place gravel in Playground 1 tomorrow. Need to pump out collected water from Playground 3 due to excessive rain.

Hours	Mileage	Signature of S&ME Personnel
8	54	

Environmental Field Report	
Date: September 24, 2024	**Job Number:** 23050630
Project Name: RI-3 Playground Materials Removal Oversight	**Weather/Temperature:** Rainy, Windy/ 69°F
Project Location: Durham Parks – Northgate 825	
Notes By: ☒ ☐	**Present at the Site:** Emily Hermann

Equipment Used
Camera
Dust Trak Handheld units
TSI Sidepak AM520

Purpose:

0800- Arrive onsite. Health and safety review. Talk to subcontractors involved in materials removal.

0830- Signed waste manifests for mulch to be hauled off.

1000- Set up air monitoring equipment and began sampling

1330- Finished sampling and tidied up equipment.

1500- Left site for the day

Note:

Wrapped up work at Northgate Park. Spent rest of day cleaning debris from parking lot. Loaded equipment and mobilized to East Durham Park.

Hours	Mileage	Signature of S&ME Personnel
7	54	

Appendix III – Waste Manifests & Weight Tickets

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of	103

GENERATOR

3. Generator's Mailing Address:	Generator's Site Address (if different than mailing):	A. Manifest Number
S&ME ON BEHALF OF THE NCDEQ NORTHGATE PARK 308 WEST CLUB BLVD DURHAM, NC 27701	S&ME ON BEHALF OF THE NCDEQ NORTHGATE PARK 308 WEST CLUB BLVD DURHAM, NC 27701	082415-45
4. Generator's Phone 984-286-9207		B. State Generator's ID

5. Transporter 1 Company Name	6. US EPA ID Number	C. State Transporter's ID
Evo Corporation		D. Transporter's Phone 336-725-5844
7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID
		F. Transporter's Phone
9. Designated Facility Name and Site Address	10. US EPA ID Number	G. State Facility ID 7607-MSWLF-2015
GREAT OAK LANDFILL 3597 OLD CEDAR FALLS ROAD RANDLEMAN, NC 27317		H. State Facility Phone 336-628-6026

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a SOIL AND MULCH WITH POTENTIAL LEAD IMPACTS WM Profile # 101718NC	1	DT		T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

COUNTY: DURHAM

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Rachel Moore	Rachel Moore	9	17	2024

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Scott C Burnette	Scott C Burnette	9	17	24

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
NORTH CAROLINA PUBLIC WEIGHMASTER LICENSE EXPIRES JUNE 30, 2025 MICHELLE SULLIVAN 45932	M Sullivan	9	17	24

INVALID UNLESS SIGNED

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of	104

GENERATOR

3. Generator's Mailing Address:	Generator's Site Address (if different than mailing):	A. Manifest Number
S&ME ON BEHALF OF THE NCDEQ NORTHGATE PARK 308 WEST CLUB BLVD DURHAM, NC 27701	S&ME ON BEHALF OF THE NCDEQ NORTHGATE PARK 308 WEST CLUB BLVD DURHAM, NC 27701	082415-46
4. Generator's Phone 984-286-9207		B. State Generator's ID

5. Transporter 1 Company Name	6. US EPA ID Number	C. State Transporter's ID
Evo Corporation		D. Transporter's Phone 336-725-5844
7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID
		F. Transporter's Phone
9. Designated Facility Name and Site Address	10. US EPA ID Number	G. State Facility ID 7607-MSWLF-2015
GREAT OAK LANDFILL 3597 OLD CEDAR FALLS ROAD RANDLEMAN, NC 27317		H. State Facility Phone 336-628-6026

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a SOIL AND MULCH WITH POTENTIAL LEAD IMPACTS WM Profile # 101718NC	1	DT		T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

COUNTY: DURHAM

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Rachel Moore	Rachel M	9	17	2024

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
RAFAEL WILSON		9	17	24

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
NORTH CAROLINA PUBLIC WEIGHMASTER LICENSE EXPIRES JUNE 30, 2025 MICHELLE SULLIVAN 45932 INVALID UNLESS SIGNED		9	17	24

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of	103

GENERATOR

3. Generator's Mailing Address:	Generator's Site Address (If different than mailing):	A. Manifest Number
S&ME ON BEHALF OF THE NCDEQ NORTHGATE PARK 308 WEST CLUB BLVD DURHAM, NC 27701	S&ME ON BEHALF OF THE NCDEQ NORTHGATE PARK 308 WEST CLUB BLVD DURHAM, NC 27701	082415-47
4. Generator's Phone 984-286-9207		B. State Generator's ID

5. Transporter 1 Company Name	6. US EPA ID Number	C. State Transporter's ID
Evo Corporation		D. Transporter's Phone 336-725-5844
7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID
		F. Transporter's Phone
9. Designated Facility Name and Site Address	10. US EPA ID Number	G. State Facility ID 7607-MSWLF-2015
GREAT OAK LANDFILL 3597 OLD CEDAR FALLS ROAD RANDLEMAN, NC 27317		H. State Facility Phone 336-628-6026

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a SOIL AND MULCH WITH POTENTIAL LEAD IMPACTS WM Profile # 101718NC	1	DT		T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

COUNTY: DURHAM

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Rachel Moore	Rachel M	9	17	2024

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Scott C Burnette	Scott C B	9	17	24

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
NORTH CAROLINA PUBLIC WEIGHMASTER LICENSE EXPIRES JUNE 30, 2025 MICHELLE SULLIVAN 45932 INVALID UNLESS SIGNED	M Sullivan	9	17	24

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of	1 of 4

GENERATOR

3. Generator's Mailing Address:	Generator's Site Address (If different than mailing):	A. Manifest Number
S&ME ON BEHALF OF THE NCDEQ NORTHGATE PARK 308 WEST CLUB BLVD DURHAM, NC 27701	S&ME ON BEHALF OF THE NCDEQ NORTHGATE PARK 308 WEST CLUB BLVD DURHAM, NC 27701	082415-48
4. Generator's Phone 984-286-9207		B. State Generator's ID

5. Transporter 1 Company Name	6. US EPA ID Number	C. State Transporter's ID	D. Transporter's Phone
Evo Corporation			336-725-5844
7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID	F. Transporter's Phone

9. Designated Facility Name and Site Address	10. US EPA ID Number	G. State Facility ID	H. State Facility Phone
GREAT OAK LANDFILL 3597 OLD CEDAR FALLS ROAD RANDLEMAN, NC 27317		7607-MSWLF-2015	336-628-6026

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a SOIL AND MULCH WITH POTENTIAL LEAD IMPACTS WM Profile # 101718NC	1	DT		T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

COUNTY: DURHAM

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Rachel Moore	Rachel Moore	9	17	2024

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Rod Bost	Rod Bost	9	17	24

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
NORTH CAROLINA PUBLIC WEIGHMASTER LICENSE EXPIRES JUNE 30, 2025 MICHELLE SULLIVAN 45932	M Sullivan	9	17	24

INVALID UNLESS SIGNED

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of	103

GENERATOR

3. Generator's Mailing Address:	Generator's Site Address (If different than mailing):	A. Manifest Number
S&ME ON BEHALF OF THE NCDEQ NORTHGATE PARK 308 WEST CLUB BLVD DURHAM, NC 27701	S&ME ON BEHALF OF THE NCDEQ NORTHGATE PARK 308 WEST CLUB BLVD DURHAM, NC 27701	082415-49
4. Generator's Phone 984-286-9207		B. State Generator's ID

5. Transporter 1 Company Name	6. US EPA ID Number	C. State Transporter's ID
Evo Corporation		D. Transporter's Phone 336-725-5844
7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID
		F. Transporter's Phone
9. Designated Facility Name and Site Address	10. US EPA ID Number	G. State Facility ID 7607-MSWLF-2015
GREAT OAK LANDFILL 3597 OLD CEDAR FALLS ROAD RANDLEMAN, NC 27317		H. State Facility Phone 336-628-6026

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a SOIL AND MULCH WITH POTENTIAL LEAD IMPACTS WM Profile # 101718NC	1	DT		T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

COUNTY: DURHAM

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:

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Printed Name	Signature "On behalf of"	Month	Day	Year
Rachel Moore	Rachel M	9	18	2024

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Scott C Burnette	Scott C Burnette	9	18	24

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
NORTH CAROLINA PUBLIC WEIGHMASTER LICENSE EXPIRES JUNE 30, 2025 MICHELLE SULLIVAN 45932	M Sullivan	9	18	24

INVALID UNLESS SIGNED

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of	105

GENERATOR

3. Generator's Mailing Address:	Generator's Site Address (if different than mailing):	A. Manifest Number
S&ME ON BEHALF OF THE NCDEQ NORTHGATE PARK 308 WEST CLUB BLVD DURHAM, NC 27701	S&ME ON BEHALF OF THE NCDEQ NORTHGATE PARK 308 WEST CLUB BLVD DURHAM, NC 27701	082415-50
4. Generator's Phone 984-286-9207		B. State Generator's ID

5. Transporter 1 Company Name	6. US EPA ID Number	C. State Transporter's ID
Evo Corporation		D. Transporter's Phone 336-725-5844
7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID
		F. Transporter's Phone
9. Designated Facility Name and Site Address	10. US EPA ID Number	G. State Facility ID 7607-MSWLF-2015
GREAT OAK LANDFILL 3597 OLD CEDAR FALLS ROAD RANDLEMAN, NC 27317		H. State Facility Phone 336-628-6026

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a SOIL AND MULCH WITH POTENTIAL LEAD IMPACTS WM Profile # 101718NC	1	DT		T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

COUNTY: DURHAM

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Rachel Moore	RachelM	9	18	2024

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
RAFAEL Wilson		9	18	24

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
NORTH CAROLINA PUBLIC WEIGHMASTER LICENSE EXPIRES JUNE 30, 2026 MICHELLE SULLIVAN 45932		9	18	24

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NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of	103

3. Generator's Mailing Address:
S&ME ON BEHALF OF THE NCDEQ
NORTHGATE PARK
308 WEST CLUB BLVD
DURHAM, NC 27701

4. Generator's Phone 984-286-9207

Generator's Site Address (if different than mailing):
S&ME ON BEHALF OF THE NCDEQ
NORTHGATE PARK
308 WEST CLUB BLVD
DURHAM, NC 27701

A. Manifest Number 082415-51

B. State Generator's ID

5. Transporter 1 Company Name
Evo Corporation

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone 336-725-5844

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
GREAT OAK LANDFILL
3597 OLD CEDAR FALLS ROAD
RANDLEMAN, NC 27317

10. US EPA ID Number

G. State Facility ID 7607-MSWLF-2015

H. State Facility Phone 336-628-6026

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a SOIL AND MULCH WITH POTENTIAL LEAD IMPACTS WM Profile # 101718NC	1	DT		T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

K. Disposal Location

Cell | Level
Grid

15. Special Handling Instructions and Additional Information
COUNTY: DURHAM

Purchase Order # | EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:
I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Rachel Moore	Rachel M	9	15	2024

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Scotte Burnette	Scott C Burnette	9	18	24

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
NORTH CAROLINA PUBLIC WEIGHMASTER LICENSE EXPIRES JUNE 30, 2025 MICHELLE SULLIVAN 45932	M Sullivan	9	18	24

INVALID UNLESS SIGNED

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of	105

GENERATOR

3. Generator's Mailing Address:	Generator's Site Address (If different than mailing):	A. Manifest Number
S&ME ON BEHALF OF THE NCDEQ NORTHGATE PARK 308 WEST CLUB BLVD DURHAM, NC 27701	S&ME ON BEHALF OF THE NCDEQ NORTHGATE PARK 308 WEST CLUB BLVD DURHAM, NC 27701	082415-52
4. Generator's Phone 984-286-9207		B. State Generator's ID

5. Transporter 1 Company Name	6. US EPA ID Number	C. State Transporter's ID
Evo Corporation		D. Transporter's Phone 336-725-5844
7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID
		F. Transporter's Phone

9. Designated Facility Name and Site Address	10. US EPA ID Number	G. State Facility ID 7607-MSWLF-2015
GREAT OAK LANDFILL 3597 OLD CEDAR FALLS ROAD RANDLEMAN, NC 27317		H. State Facility Phone 336-628-6026

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a SOIL AND MULCH WITH POTENTIAL LEAD IMPACTS WM Profile # 101718NC	1	DT		T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

COUNTY: DURHAM

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:

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Printed Name	Signature "On behalf of"	Month	Day	Year
Rachel Moore	Rachel Moore	9	18	2024

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Rod Bost	RBost	9	18	24

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
NORTH CAROLINA PUBLIC WEIGHMASTER LICENSE EXPIRES JUNE 30, 2025 MICHELLE SULLIVAN 45932	MSullivan	9	18	24

INVALID UNLESS SIGNED

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of	104

GENERATOR

3. Generator's Mailing Address:	Generator's Site Address (if different than mailing):	A. Manifest Number
S&ME ON BEHALF OF THE NCDEQ NORTHGATE PARK 308 WEST CLUB BLVD DURHAM, NC 27701	S&ME ON BEHALF OF THE NCDEQ NORTHGATE PARK 308 WEST CLUB BLVD DURHAM, NC 27701	082415-53
4. Generator's Phone 984-286-9207		B. State Generator's ID

5. Transporter 1 Company Name	6. US EPA ID Number	C. State Transporter's ID
Evo Corporation		D. Transporter's Phone 336-725-5844
7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID
		F. Transporter's Phone
9. Designated Facility Name and Site Address	10. US EPA ID Number	G. State Facility ID 7607-MSWLF-2015
GREAT OAK LANDFILL 3597 OLD CEDAR FALLS ROAD RANDLEMAN, NC 27317		H. State Facility Phone 336-628-6026

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a SOIL AND MULCH WITH POTENTIAL LEAD IMPACTS WM Profile # 101718NC	1	DT		T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

COUNTY: DURHAM

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Emily Hermann		9	19	24

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Rafael Wilson		9	19	24

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
NORTH CAROLINA PUBLIC WEIGHMASTER LICENSE EXPIRES JUNE 30, 2025 MICHELLE SULLIVAN 45932		9	19	24

SIGNED

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of	104

GENERATOR

3. Generator's Mailing Address:	Generator's Site Address (if different than mailing):	A. Manifest Number
S&ME ON BEHALF OF THE NCDEQ NORTHGATE PARK 308 WEST CLUB BLVD DURHAM, NC 27701	S&ME ON BEHALF OF THE NCDEQ NORTHGATE PARK 308 WEST CLUB BLVD DURHAM, NC 27701	082415-54
4. Generator's Phone 984-286-9207		B. State Generator's ID

5. Transporter 1 Company Name	6. US EPA ID Number	C. State Transporter's ID
Evo Corporation		D. Transporter's Phone 336-725-5844
7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID
		F. Transporter's Phone
9. Designated Facility Name and Site Address	10. US EPA ID Number	G. State Facility ID 7607-MSWLF-2015
GREAT OAK LANDFILL 3597 OLD CEDAR FALLS ROAD RANDLEMAN, NC 27317		H. State Facility Phone 336-628-6026

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a SOIL AND MULCH WITH POTENTIAL LEAD IMPACTS WM Profile # 101718NC	1	DT		T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

COUNTY: DURHAM

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

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Printed Name	Signature "On behalf of"	Month	Day	Year
Emily Hermann		9	19	24

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
ISAAC Wilson		9	19	24

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
NORTH CAROLINA PUBLIC WEIGHMASTER CENSE EXPIRES JUNE 30, 2025 MICHELLE SULLIVAN 45932		9	19	24

ESS SIGNED

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of	103

GENERATOR

3. Generator's Mailing Address:	Generator's Site Address (If different than mailing):	A. Manifest Number
S&ME ON BEHALF OF THE NCDEQ NORTHGATE PARK 308 WEST CLUB BLVD DURHAM, NC 27701	S&ME ON BEHALF OF THE NCDEQ NORTHGATE PARK 308 WEST CLUB BLVD DURHAM, NC 27701	082415-55
4. Generator's Phone 984-286-9207		B. State Generator's ID

5. Transporter 1 Company Name	6. US EPA ID Number	C. State Transporter's ID
Evo Corporation		D. Transporter's Phone 336-725-5844
7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID
		F. Transporter's Phone
9. Designated Facility Name and Site Address	10. US EPA ID Number	G. State Facility ID 7607-MSWLF-2015
GREAT OAK LANDFILL 3597 OLD CEDAR FALLS ROAD RANDLEMAN, NC 27317		H. State Facility Phone 336-628-6026

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a SOIL AND MULCH WITH POTENTIAL LEAD IMPACTS WM Profile # 101718NC	1	DT		T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

COUNTY: DURHAM

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:

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Printed Name	Signature "On behalf of"	Month	Day	Year
Emily Hermann		9	19	24

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Scott C Burnette		9	19	24

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
PUBLIC WEIGHMASTER LICENSE EXPIRES JUNE 30, 2025		9	20	24

INVALID UNLESS SIGNED

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of	104

GENERATOR

3. Generator's Mailing Address:	Generator's Site Address (If different than mailing):	A. Manifest Number
S&ME ON BEHALF OF THE NCDEQ NORTHGATE PARK 308 WEST CLUB BLVD DURHAM, NC 27701	S&ME ON BEHALF OF THE NCDEQ NORTHGATE PARK 308 WEST CLUB BLVD DURHAM, NC 27701	082415-56
4. Generator's Phone 984-286-9207		B. State Generator's ID

5. Transporter 1 Company Name	6. US EPA ID Number	C. State Transporter's ID / D. Transporter's Phone
Evo Corporation		D. Transporter's Phone 336-725-5844
7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID / F. Transporter's Phone

9. Designated Facility Name and Site Address	10. US EPA ID Number	G. State Facility ID / H. State Facility Phone
GREAT OAK LANDFILL 3597 OLD CEDAR FALLS ROAD RANDLEMAN, NC 27317		G. State Facility ID 7607-MSWLF-2015 H. State Facility Phone 336-628-6026

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a SOIL AND MULCH WITH POTENTIAL LEAD IMPACTS WM Profile # 101718NC	1	DT		T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

COUNTY: DURHAM

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Emily Hermann		9	20	24

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
RAFAEL Wilson		9	20	24

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
NORTH CAROLINA PUBLIC WEIGHMASTER LICENSE EXPIRES JUNE 30, 2025 MICHELLE SULLIVAN 45932		9	20	24

INVALID UNLESS SIGNED

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of	104

GENERATOR

3. Generator's Mailing Address:	Generator's Site Address (If different than mailing):	A. Manifest Number
S&ME ON BEHALF OF THE NCDEQ NORTHGATE PARK 308 WEST CLUB BLVD DURHAM, NC 27701	S&ME ON BEHALF OF THE NCDEQ NORTHGATE PARK 308 WEST CLUB BLVD DURHAM, NC 27701	082415-57
4. Generator's Phone 984-286-9207		B. State Generator's ID

5. Transporter 1 Company Name	6. US EPA ID Number	C. State Transporter's ID D. Transporter's Phone 336-725-5844
Evo Corporation		
7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID F. Transporter's Phone
9. Designated Facility Name and Site Address	10. US EPA ID Number	G. State Facility ID 7607-MSWLF-2015 H. State Facility Phone 336-628-6026
GREAT OAK LANDFILL 3597 OLD CEDAR FALLS ROAD RANDLEMAN, NC 27317		

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a SOIL AND MULCH WITH POTENTIAL LEAD IMPACTS WM Profile # 101718NC	1	DT		T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

COUNTY: DURHAM

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:

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Printed Name	Signature "On behalf of"	Month	Day	Year
Emily Hermann		9	20	24

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Rod Bost		9	20	24

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
NORTH CAROLINA PUBLIC WEIGHMASTER LICENSE EXPIRES JUNE 30, 2025 MICHELLE SULLIVAN 45932 INVALID UNLESS SIGNED		9	20	24

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of	104

GENERATOR

3. Generator's Mailing Address:	Generator's Site Address (if different than mailing):	A. Manifest Number
S&ME ON BEHALF OF THE NCDEQ NORTHGATE PARK 308 WEST CLUB BLVD DURHAM, NC 27701	S&ME ON BEHALF OF THE NCDEQ NORTHGATE PARK 308 WEST CLUB BLVD DURHAM, NC 27701	082415-58
4. Generator's Phone 984-286-9207		B. State Generator's ID

5. Transporter 1 Company Name	6. US EPA ID Number	C. State Transporter's ID / D. Transporter's Phone
Evo Corporation		D. Transporter's Phone 336-725-5844
7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID / F. Transporter's Phone

9. Designated Facility Name and Site Address	10. US EPA ID Number	G. State Facility ID / H. State Facility Phone
GREAT OAK LANDFILL 3597 OLD CEDAR FALLS ROAD RANDLEMAN, NC 27317		G. State Facility ID 7607-MSWLF-2015 H. State Facility Phone 336-628-6026

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a SOIL AND MULCH WITH POTENTIAL LEAD IMPACTS WM Profile # 101718NC	1	DT		T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information
COUNTY: DURHAM

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:
I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Emily Hermann		9	23	24

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Tim L Myers	Tim L Myers	09	23	24

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
NORTH CAROLINA PUBLIC WEIGHMASTER LICENSE EXPIRES JUNE 30, 2025 MICHELLE SULLIVAN		9	23	24

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of	1 of 4

3. Generator's Mailing Address:
S&ME ON BEHALF OF THE NCDEQ
NORTHGATE PARK
308 WEST CLUB BLVD
DURHAM, NC 27701

4. Generator's Phone 984-286-9207

Generator's Site Address (If different than mailing):
S&ME ON BEHALF OF THE NCDEQ
NORTHGATE PARK
308 WEST CLUB BLVD
DURHAM, NC 27701

A. Manifest Number 082415-59

B. State Generator's ID

5. Transporter 1 Company Name Evo Corporation

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone 336-725-5844

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
GREAT OAK LANDFILL
3597 OLD CEDAR FALLS ROAD
RANDLEMAN, NC 27317

10. US EPA ID Number

G. State Facility ID 7607-MSWLF-2015

H. State Facility Phone 336-628-6026

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a SOIL AND MULCH WITH POTENTIAL LEAD IMPACTS WM Profile # 101718NC	1	DT		T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

K. Disposal Location

Cell | Level
Grid

15. Special Handling Instructions and Additional Information
COUNTY: DURHAM

Purchase Order # | EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:
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Printed Name	Signature "On behalf of"	Month	Day	Year
Emily Hermann		9	23	24

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Tim L Myers		09	23	24

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
MICHELLE SULLIVAN		9	23	24

NOTARY PUBLIC NORTH CAROLINA
GUILFORD COUNTY
MICHELLE SULLIVAN
NOTARY PUBLIC
MY COMMISSION EXPIRES JUNE 30, 2025
45932

ELECTRONICALLY SIGNED

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of	104

3. Generator's Mailing Address:
S&ME ON BEHALF OF THE NCDEQ
NORTHGATE PARK
308 WEST CLUB BLVD
DURHAM, NC 27701

4. Generator's Phone 984-286-9207

Generator's Site Address (If different than mailing):
S&ME ON BEHALF OF THE NCDEQ
NORTHGATE PARK
308 WEST CLUB BLVD
DURHAM, NC 27701

A. Manifest Number 082415-60

B. State Generator's ID

5. Transporter 1 Company Name
Evo Corporation

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone 336-725-5844

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
GREAT OAK LANDFILL
3597 OLD CEDAR FALLS ROAD
RANDLEMAN, NC 27317

10. US EPA ID Number

G. State Facility ID 7607-MSWLF-2015

H. State Facility Phone 336-628-6026

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a SOIL AND MULCH WITH POTENTIAL LEAD IMPACTS WM Profile # 101718NC	1	DT		T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

K. Disposal Location

Cell | Level
Grid

15. Special Handling Instructions and Additional Information
COUNTY: DURHAM

Purchase Order # | EMERGENCY CONTACT / PHONE NO.:

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Printed Name	Signature "On behalf of"	Month	Day	Year
Emily Hermann		9	24	24

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Rafael Wilson		9	24	24

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

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Printed Name	Signature	Month	Day	Year
NORTH CAROLINA PUBLIC WEIGHMASTER LICENSE EXPIRES JUNE 30, 2025 MICHELLE SULLIVAN 45932		9	24	24

SIGNED

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of	104

GENERATOR

3. Generator's Mailing Address:	Generator's Site Address (If different than mailing):	A. Manifest Number
S&ME ON BEHALF OF THE NCDEQ NORTHGATE PARK 308 WEST CLUB BLVD DURHAM, NC 27701	S&ME ON BEHALF OF THE NCDEQ NORTHGATE PARK 308 WEST CLUB BLVD DURHAM, NC 27701	082415-61
4. Generator's Phone 984-286-9207		B. State Generator's ID

5. Transporter 1 Company Name	6. US EPA ID Number	C. State Transporter's ID
Evo Corporation		D. Transporter's Phone 336-725-5844
7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID
		F. Transporter's Phone
9. Designated Facility Name and Site Address	10. US EPA ID Number	G. State Facility ID 7607-MSWLF-2015
GREAT OAK LANDFILL 3597 OLD CEDAR FALLS ROAD RANDLEMAN, NC 27317		H. State Facility Phone 336-628-6026

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a SOIL AND MULCH WITH POTENTIAL LEAD IMPACTS WM Profile # 101718NC	1	DT		T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

COUNTY: DURHAM

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

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Printed Name	Signature "On behalf of"	Month	Day	Year
Emily Hermann		9	24	24

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
RAFAEL Wilson		9	24	24.

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
NORTH CAROLINA PUBLIC WEIGHMASTER CENSE EXPIRES JUNE 30, 2025 ICHELLE SULLIVAN 45932		9	24	2[illegible]

WASTE MANAGEMENT

Great Oaks Landfill
3565 Old Cedar Falls Rd
Randleman, NC, 27317

Original
Ticket# 340206

Ph: (336) 628-6026

Customer Name EVO CORP 101718NC EVO CORPORA
Ticket Date 09/17/2024
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO#
Profile 101718NC (SOIL AND MULCH WITH POTE
Generator NORTHGATE PARK-308 NORTHGATE PARK

Carrier EVOCORP101718NC
Vehicle# 103
Container
Driver SCOTT
Check#
Billing# 0000589
Manifest 082415-45

Volume

	Time	Scale	Operator
In	09/17/2024 11:09:50	Scale 1	MATTHEW
Out	09/17/2024 11:33:20	Scale 2	MATTHEW

Gross	38020 lb
Tare	25760 lb
Net	12260 lb
Tons	6.13

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	TON - SOIL AND MULCH WIT	100	6.13	Tons				DUR

Total Fee

Total Ticket

Driver`s Signature _____

WASTE MANAGEMENT

Great Oaks Landfill
3565 Old Cedar Falls Rd
Randleman, NC, 27317

Reprint
Ticket# 340212
Ph: (336) 628-6026

Customer Name	EVO CORP 101718NC EVO CORPORA	Carrier	EVOCORP101718NC		
Ticket Date	09/17/2024	Vehicle#	104	Volume	
Payment Type	Credit Account	Container			
Manual Ticket#		Driver	RAFAEL WILSON		
Route		Check#			
Hauling Ticket#		Billing#	0000589		
Destination		Manifest	082415-46		
PO#					
Profile	101718NC (SOIL AND MULCH WITH POTE				
Generator	NORTHGATE PARK-308 NORTHGATE PARK				

	Time	Scale	Operator		
In	09/17/2024 11:28:55	Scale 1	MATTHEW	Gross	38380 lb
Out	09/17/2024 12:08:09	Scale 2	mdavis24	Tare	27700 lb
				Net	10680 lb
				Tons	5.34

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	TON - SOIL AND MULCH WIT	100	5.34	Tons				DUR

Total Fee

Total Ticket

Driver's Signature _____

WASTE MANAGEMENT

Great Oaks Landfill
3565 Old Cedar Falls Rd
Randleman, NC, 27317

Reprint
Ticket# 340276

Ph: (336) 628-6026

Customer Name EVO CORP 101718NC EVO CORPORA
Ticket Date 09/17/2024
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO#
Profile 101718NC (SOIL AND MULCH WITH POTE
Generator NORTHGATE PARK-308 NORTHGATE PARK

Carrier EVOCORP101718NC
Vehicle# 103
Container
Driver SCOTT
Check#
Billing# 0000589
Manifest 082415-47

Volume

	Time	Scale	Operator
In	09/17/2024 15:04:33	Scale 1	MATTHEW
Out	09/17/2024 15:15:51	Scale 2	mdavis24

Gross	44660 lb
Tare	25620 lb
Net	19040 lb
Tons	9.52

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	TON - SOIL AND MULCH WIT	100	9.52	Tons				DUR

Total Fee

Total Ticket

Driver's Signature _____

WASTE MANAGEMENT

Great Oaks Landfill
3565 Old Cedar Falls Rd
Randleman, NC, 27317

Reprint
Ticket# 340290

Ph: (336) 628-6026

Customer Name EVO CORP 101718NC EVO CORPORA
Ticket Date 09/17/2024
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO#
Profile 101718NC (SOIL AND MULCH WITH POTE
Generator NORTHGATE PARK-308 NORTHGATE PARK

Carrier EVOCORP101718NC
Vehicle# 104
Container
Driver RAFAEL WILSON
Check#
Billing# 0000589
Manifest 082415-48

Volume

	Time	Scale	Operator
In	09/17/2024 15:31:01	Scale 1	MATTHEW
Out	09/17/2024 15:45:05	Scale 2	mdavis24

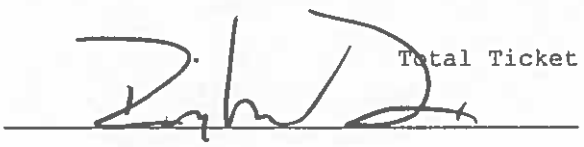
Gross	49240 lb
Tare	27560 lb
Net	21680 lb
Tons	10.84

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 TON - SOIL AND MULCH WIT	100	10.84	Tons				DUR

Total Fee

Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

Great Oaks Landfill
3565 Old Cedar Falls Rd
Randleman, NC, 27317

Reprint
Ticket# 340372

Ph: (336) 628-6026

Customer Name	EVO CORP 101718NC EVO CORPORA	Carrier	EVOCORP101718NC		
Ticket Date	09/18/2024	Vehicle#	103	Volume	
Payment Type	Credit Account	Container			
Manual Ticket#		Driver	SCOTT		
Route		Check#			
Hauling Ticket#		Billing#	0000589		
Destination		Manifest	082415-49		
PO#					
Profile	101718NC (SOIL AND MULCH WITH POTE				
Generator	NORTHGATE PARK-308 NORTHGATE PARK				

	Time	Scale	Operator		
In	09/18/2024 10:22:45	Scale 1	MATTHEW	Gross	50300 lb
Out	09/18/2024 10:51:29	Scale 2	MDAVIS24	Tare	26040 lb
				Net	24260 lb
				Tons	12.13

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 TON - SOIL AND MULCH WIT	100	12.13	Tons				DUR

Total Fee

Total Ticket

Driver`s Signature _____

WASTE MANAGEMENT

Great Oaks Landfill
3565 Old Cedar Falls Rd
Randleman, NC, 27317

Reprint
Ticket# 340373

Ph: (336) 628-6026

Customer Name	EVO CORP 101718NC EVO CORPORA	Carrier	EVOCORP101718NC		
Ticket Date	09/18/2024	Vehicle#	105	Volume	
Payment Type	Credit Account	Container			
Manual Ticket#		Driver	RAFAEL WILSON		
Route		Check#			
Hauling Ticket#		Billing#	0000589		
Destination		Manifest	082415-50		
PO#					
Profile	101718NC (SOIL AND MULCH WITH POTE				
Generator	NORTHGATE PARK-308 NORTHGATE PARK				

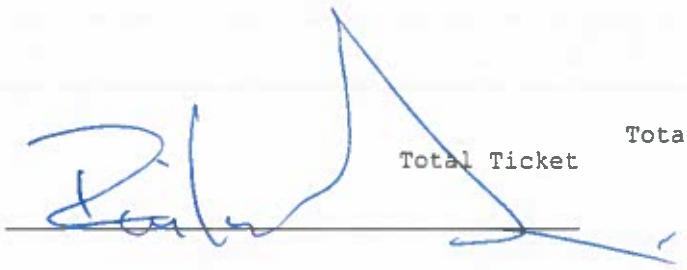
	Time	Scale	Operator		
In	09/18/2024 10:25:13	Scale 1	MATTHEW	Gross	50680 lb
Out	09/18/2024 10:52:57	Scale 2	MDAVIS24	Tare	28260 lb
				Net	22420 lb
				Tons	11.21

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	TON - SOIL AND MULCH WIT	100	11.21	Tons				DUR

Total Fee

Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

Great Oaks Landfill
3565 Old Cedar Falls Rd
Randleman, NC, 27317

Reprint
Ticket# 340448
Ph: (336) 628-6026

Customer Name EVO CORP 101718NC EVO CORPORA
Ticket Date 09/18/2024
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO#
Profile 101718NC (SOIL AND MULCH WITH POTE
Generator NORTHGATE PARK-308 NORTHGATE PARK

Carrier EVOCORP101718NC
Vehicle# 103
Container
Driver SCOTT
Check#
Billing# 0000589
Manifest 082415-51

Volume

	Time	Scale	Operator
In	09/18/2024 14:52:56	Scale 1	MATTHEW
Out	09/18/2024 15:07:52	Scale 2	MDAVIS24

Gross	45820 lb
Tare	25740 lb
Net	20080 lb
Tons	10.04

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 TON - SOIL AND MULCH WIT	100	10.04	Tons				DUR

Total Fee

Total Ticket

Driver`s Signature _____

WASTE MANAGEMENT

Great Oaks Landfill
3565 Old Cedar Falls Rd
Randleman, NC, 27317

Reprint
Ticket# 340449
Ph: (336) 628-6026

Customer Name	EVO CORP 101718NC EVO CORPORA	Carrier	EVOCORP101718NC		
Ticket Date	09/18/2024	Vehicle#	105	Volume	
Payment Type	Credit Account	Container			
Manual Ticket#		Driver	RAFAEL WILSON		
Route		Check#			
Hauling Ticket#		Billing#	0000589		
Destination		Manifest	082415-52		
PO#					
Profile	101718NC (SOIL AND MULCH WITH POTE				
Generator	NORTHGATE PARK-308 NORTHGATE PARK				

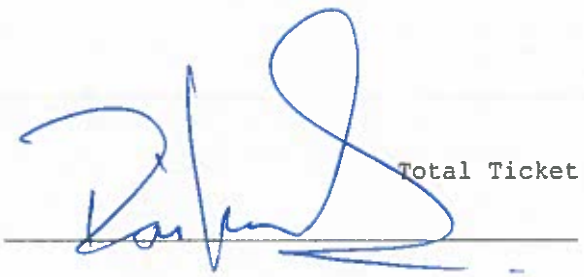
	Time	Scale	Operator		
In	09/18/2024 14:53:59	Scale 1	MATTHEW	Gross	51860 lb
Out	09/18/2024 15:09:36	Scale 2	MDAVIS24	Tare	28220 lb
				Net	23640 lb
				Tons	11.82

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	TON - SOIL AND MULCH WIT	100	11.82	Tons				DUR

Total Fee

Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

Great Oaks Landfill
3565 Old Cedar Falls Rd
Randleman, NC, 27317

Reprint
Ticket# 340545
Ph: (336) 628-6026

Customer Name	EVO CORP 101718NC EVO CORPORA	Carrier	EVOCORP101718NC		
Ticket Date	09/19/2024	Vehicle#	104	Volume	
Payment Type	Credit Account	Container			
Manual Ticket#		Driver	RAFAEL WILSON		
Route		Check#			
Hauling Ticket#		Billing#	0000589		
Destination		Manifest	082415-53		
PO#					
Profile	101718NC (SOIL AND MULCH WITH POTE				
Generator	NORTHGATE PARK-308 NORTHGATE PARK				

	Time	Scale	Operator		
In	09/19/2024 10:55:50	Scale 1	MATTHEW	Gross	45020 lb
Out	09/19/2024 11:08:35	Scale 2	mdavis24	Tare	27780 lb
				Net	17240 lb
				Tons	8.62

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	TON - SOIL AND MULCH WIT	100	8.62	Tons				DUR

Total Fee

Total Ticket

Driver's Signature _____

WASTE MANAGEMENT

Great Oaks Landfill
3565 Old Cedar Falls Rd
Randleman, NC, 27317

Original
Ticket# 340630

Ph: (336) 628-6026

Customer Name EVO CORP 101718NC EVO CORPORA
Ticket Date 09/19/2024
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO#
Profile 101718NC (SOIL AND MULCH WITH POTE
Generator NORTHGATE PARK-308 NORTHGATE PARK

Carrier EVOCORP101718NC
Vehicle# 104
Container
Driver RAFAEL
Check#
Billing# 0000589
Manifest 082415-54

Volume

	Time	Scale	Operator
In	09/19/2024 15:05:24	Scale 1	MATTHEW
Out	09/19/2024 15:19:04	Scale 2	MATTHEW

Gross	49260 lb
Tare	27580 lb
Net	21680 lb
Tons	10.84

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	TON - SOIL AND MULCH WIT	100	10.84	Tons				DUR

Total Fee

Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

Great Oaks Landfill
3565 Old Cedar Falls Rd -
Randleman, NC, 27317

Reprint
Ticket# 340685
Ph: (336) 628-6026

Customer Name EVO CORP 101718NC EVO CORPORA
Ticket Date 09/20/2024
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO#
Profile 101718NC (SOIL AND MULCH WITH POTE
Generator NORTHGATE PARK-308 NORTHGATE PARK

Carrier EVOCORP101718NC
Vehicle# 103
Container
Driver SCOTT
Check#
Billing# 0000589
Manifest 082415-55

Volume

	Time	Scale	Operator
In	09/20/2024 08:32:23	Scale 1	MATTHEW
Out	09/20/2024 09:00:22	Scale 2	mdavis24

Gross	57180 lb
Tare	26120 lb
Net	31060 lb
Tons	15.53

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 TON - SOIL AND MULCH WIT	100	15.53	Tons				DUR

Total Fee

Total Ticket

Driver's Signature _____

WASTE MANAGEMENT

Great Oaks Landfill
3565 Old Cedar Falls Rd
Randleman, NC, 27317

Reprint
Ticket# 340728
Ph: (336) 628-6026

Customer Name EVO CORP 101718NC EVO CORPORA
Ticket Date 09/20/2024
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO#
Profile 101718NC (SOIL AND MULCH WITH POTE
Generator NORTHGATE PARK-308 NORTHGATE PARK

Carrier EVOCORP101718NC
Vehicle# 104
Container
Driver RAFAEL WILSON
Check#
Billing# 0000589
Manifest 082415-56

Volume

	Time	Scale	Operator
In	09/20/2024 10:41:44	Scale 1	MATTHEW
Out	09/20/2024 11:21:31	Scale 2	mdavis24

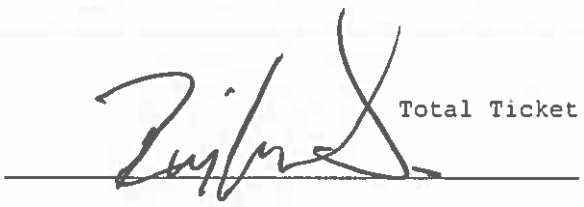
Gross	60660 lb
Tare	27580 lb
Net	33080 lb
Tons	16.54

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 TON - SOIL AND MULCH WIT	100	16.54	Tons				DUR

Total Fee

Total Ticket

Driver's Signature 

WASTE MANAGEMENT

Great Oaks Landfill
3565 Old Cedar Falls Rd
Randleman, NC, 27317

Reprint
Ticket# 340818

Ph: (336) 628-6026

Customer Name	EVO CORP 101718NC EVO CORPORA	Carrier	EVOCORP101718NC		
Ticket Date	09/20/2024	Vehicle#	104	Volume	
Payment Type	Credit Account	Container			
Manual Ticket#		Driver	RAFAEL WILSON		
Route		Check#			
Hauling Ticket#		Billing#	0000589		
Destination		Manifest	082415-57		
PO#					
Profile	101718NC (SOIL AND MULCH WITH POTE				
Generator	NORTHGATE PARK-308 NORTHGATE PARK				

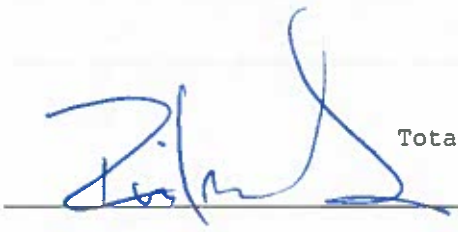
	Time	Scale	Operator		
In	09/20/2024 15:26:16	Scale 1	MATTHEW	Gross	56040 lb
Out	09/20/2024 16:00:19	Scale 2	mdavis24	Tare	27620 lb
				Net	28420 lb
				Tons	14.21

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	TON - SOIL AND MULCH WIT	100	14.21	Tons				DUR

Total Fee

Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

Great Oaks Landfill
3565 Old Cedar Falls Rd
Randleman, NC, 27317

Reprint
Ticket# 341004

Ph: (336) 628-6026

Customer Name EVO CORP 101718NC EVO CORPORA
Ticket Date 09/23/2024
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO#
Profile 101718NC (SOIL AND MULCH WITH POTE
Generator NORTHGATE PARK-308 NORTHGATE PARK

Carrier EVOCORP101718NC
Vehicle# 104
Container
Driver TIM
Check#
Billing# 0000589
Manifest 082415-58

Volume

	Time	Scale	Operator
In	09/23/2024 14:52:17	Scale 1	MATTHEW
Out	09/23/2024 15:09:17	Scale 2	mdavis24

Gross	42900 lb
Tare	27440 lb
Net	15460 lb
Tons	7.73

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 TON - SOIL AND MULCH WIT	100	7.73	Tons				DUR

Total Fee

Total Ticket

Driver`s Signature _____

WASTE MANAGEMENT

Great Oaks Landfill
3565 Old Cedar Falls Rd
Randleman, NC, 27317

Reprint
Ticket# 340927

Ph: (336) 628-6026

Customer Name	EVO CORP 101718NC EVO CORPORA	Carrier	EVOCORP101718NC
Ticket Date	09/23/2024	Vehicle#	104
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	TIM
Route		Check#	
Hauling Ticket#		Billing#	0000589
Destination		Manifest	082415-59
PO#			
Profile	101718NC (SOIL AND MULCH WITH POTE		
Generator	NORTHGATE PARK-308 NORTHGATE PARK		

Volume

	Time	Scale	Operator		
In	09/23/2024 10:50:44	Scale 1	MATTHEW	Gross	52300 lb
Out	09/23/2024 11:09:44	Scale 2	MATTHEW	Tare	27160 lb
				Net	25140 lb
				Tons	12.57

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	TON - SOIL AND MULCH WIT	100	12.57	Tons				DUR

Total Fee

Total Ticket

Driver`s Signature _____

WASTE MANAGEMENT

Great Oaks Landfill
3565 Old Cedar Falls Rd
Randleman, NC, 27317

Reprint
Ticket# 341098

Ph: (336) 628-6026

Customer Name	EVO CORP 101718NC EVO CORPORA	Carrier	EVOCORP101718NC		
Ticket Date	09/24/2024	Vehicle#	104	Volume	
Payment Type	Credit Account	Container			
Manual Ticket#		Driver	RAFAEL		
Route		Check#			
Hauling Ticket#		Billing#	0000589		
Destination		Manifest	082415-60		
PO#					
Profile	101718NC (SOIL AND MULCH WITH POTE				
Generator	NORTHGATE PARK-308 NORTHGATE PARK				

	Time	Scale	Operator		
In	09/24/2024 10:54:28	Scale 1	MATTHEW	Gross	42960 lb
Out	09/24/2024 11:09:31	Scale 2	mdavis24	Tare	27440 lb
				Net	15520 lb
				Tons	7.76

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	TON - SOIL AND MULCH WIT	100	7.76	Tons				DUR

Total Fee

Total Ticket

Driver`s Signature _____

WASTE MANAGEMENT

Great Oaks Landfill
3565 Old Cedar Falls Rd
Randleman, NC, 27317

Reprint
Ticket# 341191
Ph: (336) 628-6026

Customer Name EVO CORP 101718NC EVO CORPORA
Ticket Date 09/24/2024
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO#
Profile 101718NC (SOIL AND MULCH WITH POTE
Generator NORTHGATE PARK-308 NORTHGATE PARK

Carrier EVOCORP101718NC
Vehicle# 104
Container
Driver RAFAEL
Check#
Billing# 0000589
Manifest 082415-61

Volume

	Time	Scale	Operator
In	09/24/2024 15:16:10	Scale 1	MATTHEW
Out	09/24/2024 15:34:44	Scale 2	mdavis24

Gross	42680 lb
Tare	27300 lb
Net	15380 lb
Tons	7.69

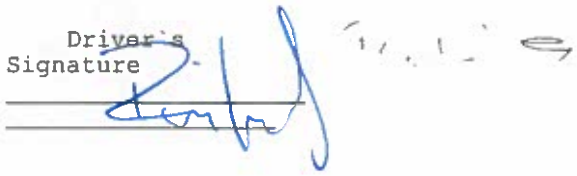
Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 TON - SOIL AND MULCH WIT	100	7.69	Tons				DUR

Total Fee

Total Ticket

Driver's Signature



Appendix IV – Laboratory Reports & Chains of Custody

ANALYTICAL REPORT

October 09, 2024

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

S&ME Inc. - Raleigh NC

Sample Delivery Group:	L1780570
Samples Received:	09/21/2024
Project Number:	
Description:	Northgate Park
Report To:	Mr. Jerry Paul 3201 Spring Forest Road Raleigh, NC 27616

Entire Report Reviewed By:

Craig Cothron
Project Manager

Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

TABLE OF CONTENTS

NG_PLAYGROUND 1_SB-01 L1780570-01 Solid

Collected by: Emily Hermann | Collected date/time: 09/19/24 13:15 | Received date/time: 09/21/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2371125	1	09/27/24 14:08	09/30/24 09:59	EKB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2370998	1	09/27/24 07:32	09/27/24 07:37	MT	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2371177	1	09/28/24 15:00	10/02/24 10:44	LDT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2370754	1	09/27/24 14:42	09/30/24 09:59	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2370810	1	09/27/24 08:35	09/28/24 10:13	AJC	Mt. Juliet, TN
Mercury by Method 7471B	WG2371388	1	09/27/24 16:23	09/28/24 17:50	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2371125	10	09/27/24 14:08	09/29/24 11:17	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2371125	5	09/27/24 14:08	09/28/24 17:45	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2372087	5	10/01/24 09:44	10/01/24 12:02	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2372071	1	09/19/24 13:15	09/29/24 11:29	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2374327	1	10/03/24 11:35	10/04/24 03:02	DSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2371670	1	09/28/24 09:33	09/28/24 18:00	DSH	Mt. Juliet, TN

NG_PLAYGROUND 1_SB-02 L1780570-02 Solid

Collected by: Emily Hermann | Collected date/time: 09/19/24 13:20 | Received date/time: 09/21/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2371125	1	09/27/24 14:08	09/30/24 10:05	EKB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2370998	1	09/27/24 07:32	09/27/24 07:37	MT	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2371177	1	09/28/24 15:00	10/02/24 10:49	LDT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2370754	1	09/27/24 14:42	09/30/24 10:05	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2370810	1	09/27/24 08:35	09/28/24 10:31	AJC	Mt. Juliet, TN
Mercury by Method 7471B	WG2371388	1	09/27/24 16:23	09/28/24 17:52	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2371125	10	09/27/24 14:08	09/29/24 11:21	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2371125	5	09/27/24 14:08	09/28/24 17:48	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2372087	5	10/01/24 09:44	10/01/24 11:45	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2372071	1	09/19/24 13:20	09/29/24 11:49	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2374327	1	10/03/24 11:35	10/04/24 02:41	DSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2371670	1	09/28/24 09:33	09/28/24 18:19	DSH	Mt. Juliet, TN

NG_PLAYGROUND 1_SB-03 L1780570-03 Solid

Collected by: Emily Hermann | Collected date/time: 09/19/24 13:25 | Received date/time: 09/21/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2371125	1	09/27/24 14:08	09/30/24 01:02	VSS	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2370998	1	09/27/24 07:32	09/27/24 07:37	MT	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2371177	1	09/28/24 15:00	10/02/24 10:50	LDT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2371401	1	09/29/24 15:45	09/30/24 01:02	VSS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2370810	1	09/27/24 08:35	09/28/24 10:49	AJC	Mt. Juliet, TN
Mercury by Method 7471B	WG2371388	1	09/27/24 16:23	09/28/24 18:00	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2371125	10	09/27/24 14:08	09/29/24 13:42	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2371125	5	09/27/24 14:08	09/28/24 15:49	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2371125	5	09/27/24 14:08	09/28/24 17:29	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2372087	5	10/01/24 09:44	10/01/24 12:05	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2372071	1	09/19/24 13:25	09/29/24 12:08	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2374327	1	10/03/24 11:35	10/04/24 03:23	DSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2371670	1	09/28/24 09:33	09/28/24 18:39	DSH	Mt. Juliet, TN

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

NG_PLAYGROUND 2_SB-01 L1780570-04 Solid

Collected by: Emily Hermann | Collected date/time: 09/19/24 14:45 | Received date/time: 09/21/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2371125	1	09/27/24 14:08	09/30/24 01:16	VSS	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2370998	1	09/27/24 07:32	09/27/24 07:37	MT	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2371177	1	09/28/24 15:00	10/02/24 10:52	LDT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2371401	1	09/29/24 15:45	09/30/24 01:16	VSS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2370810	1	09/27/24 08:35	09/28/24 11:25	AJC	Mt. Juliet, TN
Mercury by Method 7471B	WG2371208	1	09/27/24 13:00	09/27/24 19:27	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2371125	10	09/27/24 14:08	09/29/24 11:27	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2371125	5	09/27/24 14:08	09/28/24 17:51	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2372071	1	09/19/24 14:45	09/29/24 12:27	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2374327	1	10/03/24 11:35	10/04/24 03:44	DSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2371670	1	09/28/24 09:33	09/28/24 22:28	DSH	Mt. Juliet, TN

NG_PLAYGROUND 2_SB-02 L1780570-05 Solid

Collected by: Emily Hermann | Collected date/time: 09/19/24 14:50 | Received date/time: 09/21/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2371125	1	09/27/24 14:08	09/30/24 01:22	VSS	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2370998	1	09/27/24 07:32	09/27/24 07:37	MT	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2371177	1	09/28/24 15:00	10/02/24 10:53	LDT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2371401	1	09/29/24 15:45	09/30/24 01:22	VSS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2370810	1	09/27/24 08:35	09/28/24 11:43	AJC	Mt. Juliet, TN
Mercury by Method 7471B	WG2371208	1	09/27/24 13:00	09/27/24 19:29	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2371125	20	09/27/24 14:08	09/29/24 11:30	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2371125	5	09/27/24 14:08	09/28/24 14:15	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2371125	5	09/27/24 14:08	09/28/24 16:22	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2372071	1.02	09/19/24 14:50	09/29/24 12:46	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2374327	1	10/03/24 11:35	10/04/24 04:05	DSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2371670	1	09/28/24 09:33	09/28/24 22:47	DSH	Mt. Juliet, TN

NG_PLAYGROUND 2_SB-03 L1780570-06 Solid

Collected by: Emily Hermann | Collected date/time: 09/19/24 14:55 | Received date/time: 09/21/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2371056	1	10/02/24 19:20	10/07/24 21:12	UNP	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2371002	1	09/27/24 09:18	09/27/24 09:25	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2371177	1	09/28/24 15:00	10/02/24 10:57	LDT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2371401	1	09/29/24 15:45	09/30/24 01:29	VSS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2370810	1.01	09/27/24 08:35	09/28/24 12:01	AJC	Mt. Juliet, TN
Mercury by Method 7471B	WG2371210	1	09/27/24 14:53	09/28/24 14:26	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2371056	10	10/02/24 19:20	10/08/24 01:50	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2371056	5	10/02/24 19:20	10/07/24 21:12	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2372071	1	09/19/24 14:55	09/29/24 13:05	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2374327	1	10/03/24 11:35	10/04/24 01:16	DSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2371670	1	09/28/24 09:33	09/28/24 18:58	DSH	Mt. Juliet, TN

NG_PLAYGROUND 2_SB-04 L1780570-07 Solid

Collected by: Emily Hermann | Collected date/time: 09/19/24 15:00 | Received date/time: 09/21/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2371056	1	10/02/24 19:20	10/07/24 21:16	UNP	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2371002	1	09/27/24 09:18	09/27/24 09:25	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2371177	1	09/28/24 15:00	10/02/24 10:58	LDT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2371401	1	09/29/24 15:45	09/30/24 01:35	VSS	Mt. Juliet, TN

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

NG_PLAYGROUND 2_SB-04 L1780570-07 Solid

Collected by: Emily Hermann | Collected date/time: 09/19/24 15:00 | Received date/time: 09/21/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2370810	1	09/27/24 08:35	09/28/24 12:19	AJC	Mt. Juliet, TN
Mercury by Method 7471B	WG2371210	1	09/27/24 14:53	09/28/24 14:29	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2371056	100	10/02/24 19:20	10/08/24 01:54	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2371056	5	10/02/24 19:20	10/07/24 21:16	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2372071	1	09/19/24 15:00	09/29/24 13:25	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2374327	1	10/03/24 11:35	10/04/24 04:26	DSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2371670	1	09/28/24 09:33	09/28/24 19:17	DSH	Mt. Juliet, TN

NG_PLAYGROUND 2_SB-05 L1780570-08 Solid

Collected by: Emily Hermann | Collected date/time: 09/19/24 15:05 | Received date/time: 09/21/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2371056	1	10/02/24 19:20	10/07/24 21:19	UNP	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2371002	1	09/27/24 09:18	09/27/24 09:25	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2371177	1	09/28/24 15:00	10/02/24 10:59	LDT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2371401	1	09/29/24 15:45	09/30/24 01:41	VSS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2370810	1	09/27/24 08:35	09/28/24 12:37	AJC	Mt. Juliet, TN
Mercury by Method 7471B	WG2371210	1	09/27/24 14:53	09/28/24 14:31	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2371056	20	10/02/24 19:20	10/08/24 01:57	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2371056	5	10/02/24 19:20	10/07/24 21:19	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2372071	1.02	09/19/24 15:05	09/29/24 13:44	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2374327	1	10/03/24 11:35	10/04/24 01:37	DSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2371670	1	09/28/24 09:33	09/28/24 19:36	DSH	Mt. Juliet, TN

NG_PLAYGROUND 2_SB-06 L1780570-09 Solid

Collected by: Emily Hermann | Collected date/time: 09/19/24 15:10 | Received date/time: 09/21/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2371056	1	10/02/24 19:20	10/07/24 21:33	UNP	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2371002	1	09/27/24 09:18	09/27/24 09:25	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2371177	1	09/28/24 15:00	10/02/24 11:00	LDT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2371401	1	09/29/24 15:45	09/30/24 01:47	VSS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2370810	1.05	09/27/24 08:35	09/28/24 13:31	AJC	Mt. Juliet, TN
Mercury by Method 7471B	WG2371210	1	09/27/24 14:53	09/28/24 14:34	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2371056	10	10/02/24 19:20	10/08/24 02:00	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2371056	5	10/02/24 19:20	10/07/24 21:33	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2372071	1	09/19/24 15:10	09/29/24 14:03	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2374327	1	10/03/24 11:35	10/04/24 01:58	DSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2371670	1	09/28/24 09:33	09/28/24 19:55	DSH	Mt. Juliet, TN

NG_PLAYGROUND 3_SB-01 L1780570-10 Solid

Collected by: Emily Hermann | Collected date/time: 09/19/24 15:15 | Received date/time: 09/21/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2371056	1	10/02/24 19:20	10/07/24 21:37	UNP	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2371002	1	09/27/24 09:18	09/27/24 09:25	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2371177	1	09/28/24 15:00	10/02/24 11:02	LDT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2371401	1	09/29/24 15:45	09/30/24 02:06	VSS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2370810	1.04	09/27/24 08:35	09/28/24 13:48	AJC	Mt. Juliet, TN
Mercury by Method 7471B	WG2371210	1	09/27/24 14:53	09/28/24 14:36	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2371056	10	10/02/24 19:20	10/08/24 02:04	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2371056	5	10/02/24 19:20	10/07/24 21:37	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2372071	1	09/19/24 15:15	09/29/24 14:22	ADM	Mt. Juliet, TN

NG_PLAYGROUND 3_SB-01 L1780570-10 Solid

Collected by: Emily Hermann | Collected date/time: 09/19/24 15:15 | Received date/time: 09/21/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2374327	1	10/03/24 11:35	10/03/24 21:45	DSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2371670	1	09/28/24 09:33	09/28/24 20:14	DSH	Mt. Juliet, TN

NG_PLAYGROUND 3_SB-02 L1780570-11 Solid

Collected by: Emily Hermann | Collected date/time: 09/19/24 15:20 | Received date/time: 09/21/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2371056	1	10/02/24 19:20	10/07/24 21:40	UNP	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2371002	1	09/27/24 09:18	09/27/24 09:25	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2371177	1	09/28/24 15:00	10/02/24 11:03	LDT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2371401	1	09/29/24 15:45	09/30/24 02:12	VSS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2370810	1	09/27/24 08:35	09/28/24 14:06	AJC	Mt. Juliet, TN
Mercury by Method 7471B	WG2371210	1	09/27/24 14:53	09/28/24 14:39	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2371056	10	10/02/24 19:20	10/08/24 02:07	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2371056	5	10/02/24 19:20	10/07/24 21:40	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2372071	1	09/19/24 15:20	09/29/24 14:41	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2374327	1	10/03/24 11:35	10/03/24 22:06	DSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2371670	1	09/28/24 09:33	09/28/24 20:33	DSH	Mt. Juliet, TN

NG_PLAYGROUND 3_SB-03 L1780570-12 Solid

Collected by: Emily Hermann | Collected date/time: 09/19/24 15:25 | Received date/time: 09/21/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2371056	1	10/02/24 19:20	10/07/24 21:43	UNP	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2371002	1	09/27/24 09:18	09/27/24 09:25	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2371177	1	09/28/24 15:00	10/02/24 11:04	LDT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2371401	1	09/29/24 15:45	09/30/24 02:18	VSS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2370810	1.04	09/27/24 08:35	09/28/24 14:24	AJC	Mt. Juliet, TN
Mercury by Method 7471B	WG2371210	1	09/27/24 14:53	09/28/24 14:41	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2371056	20	10/02/24 19:20	10/08/24 02:10	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2371056	5	10/02/24 19:20	10/07/24 21:43	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2372071	1	09/19/24 15:25	09/29/24 15:00	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2374327	1	10/03/24 11:35	10/03/24 22:48	DSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2371670	1	09/28/24 09:33	09/28/24 20:53	DSH	Mt. Juliet, TN

NG_PLAYGROUND 3_SB-04 L1780570-13 Solid

Collected by: Emily Hermann | Collected date/time: 09/19/24 15:30 | Received date/time: 09/21/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2371056	1	10/02/24 19:20	10/07/24 21:46	UNP	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2371002	1	09/27/24 09:18	09/27/24 09:25	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2371177	1	09/28/24 15:00	10/02/24 11:06	LDT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2371401	1	09/29/24 15:45	09/30/24 02:24	VSS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2370897	1.02	09/27/24 15:26	09/28/24 19:53	GEB	Mt. Juliet, TN
Mercury by Method 7471B	WG2371210	1	09/27/24 14:53	09/28/24 14:44	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2371056	20	10/02/24 19:20	10/08/24 02:14	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2371056	5	10/02/24 19:20	10/07/24 21:46	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2372071	1.7	09/19/24 15:30	09/29/24 15:20	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2374327	1	10/03/24 11:35	10/04/24 02:20	DSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2371670	1	09/28/24 09:33	09/28/24 21:12	DSH	Mt. Juliet, TN

DUPLICATE L1780570-14 Solid

Collected by: Emily Hermann
Collected date/time: 09/19/24 00:00
Received date/time: 09/21/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2371056	1	10/02/24 19:20	10/07/24 21:49	UNP	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2371002	1	09/27/24 09:18	09/27/24 09:25	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2371177	1	09/28/24 15:00	10/02/24 11:07	LDT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2371401	1	09/29/24 15:45	09/30/24 02:30	VSS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2370897	1	09/27/24 15:26	09/28/24 20:11	GEB	Mt. Juliet, TN
Mercury by Method 7471B	WG2371210	1	09/27/24 14:53	09/28/24 14:47	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2371056	10	10/02/24 19:20	10/08/24 02:17	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2371056	5	10/02/24 19:20	10/07/24 21:49	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2372071	1	09/19/24 00:00	09/29/24 15:39	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2373408	1	10/01/24 16:40	10/02/24 01:54	DSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2371670	1	09/28/24 09:33	09/28/24 21:31	DSH	Mt. Juliet, TN

TRIP BLANK L1780570-15 GW

Collected by: Emily Hermann
Collected date/time: 09/19/24 00:00
Received date/time: 09/21/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2372359	1	09/30/24 10:19	09/30/24 10:19	DYW	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Craig Cothron
Project Manager

DETECTION SUMMARY

Calculated Results

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
NG_PLAYGROUND 1_SB-01	L1780570-01	Chromium,Trivalent	13.6		1.34	1	09/30/2024 09:59	WG2371125
NG_PLAYGROUND 1_SB-02	L1780570-02	Chromium,Trivalent	24.7		1.32	1	09/30/2024 10:05	WG2371125
NG_PLAYGROUND 1_SB-03	L1780570-03	Chromium,Trivalent	30.5		1.43	1	09/30/2024 01:02	WG2371125
NG_PLAYGROUND 2_SB-01	L1780570-04	Chromium,Trivalent	17.9		1.36	1	09/30/2024 01:16	WG2371125
NG_PLAYGROUND 2_SB-02	L1780570-05	Chromium,Trivalent	13.2		1.34	1	09/30/2024 01:22	WG2371125
NG_PLAYGROUND 2_SB-03	L1780570-06	Chromium,Trivalent	38.2		1.55	1	10/07/2024 21:12	WG2371056
NG_PLAYGROUND 2_SB-04	L1780570-07	Chromium,Trivalent	26.1		1.42	1	10/07/2024 21:16	WG2371056
NG_PLAYGROUND 2_SB-05	L1780570-08	Chromium,Trivalent	43.2		1.55	1	10/07/2024 21:19	WG2371056
NG_PLAYGROUND 2_SB-06	L1780570-09	Chromium,Trivalent	30.4		1.37	1	10/07/2024 21:33	WG2371056
NG_PLAYGROUND 3_SB-01	L1780570-10	Chromium,Trivalent	24.3		1.41	1	10/07/2024 21:37	WG2371056
NG_PLAYGROUND 3_SB-02	L1780570-11	Chromium,Trivalent	21.3		1.34	1	10/07/2024 21:40	WG2371056
NG_PLAYGROUND 3_SB-03	L1780570-12	Chromium,Trivalent	22.6		1.29	1	10/07/2024 21:43	WG2371056
NG_PLAYGROUND 3_SB-04	L1780570-13	Chromium,Trivalent	20.5		1.35	1	10/07/2024 21:46	WG2371056
DUPLICATE	L1780570-14	Chromium,Trivalent	31.0		1.49	1	10/07/2024 21:49	WG2371056

Wet Chemistry by Method 350.1

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
NG_PLAYGROUND 1_SB-01	L1780570-01	Ammonia Nitrogen	16.7	P1	13.4	1	10/02/2024 10:44	WG2371177
NG_PLAYGROUND 1_SB-02	L1780570-02	Ammonia Nitrogen	16.0		13.2	1	10/02/2024 10:49	WG2371177
NG_PLAYGROUND 2_SB-01	L1780570-04	Ammonia Nitrogen	35.3		13.6	1	10/02/2024 10:52	WG2371177
NG_PLAYGROUND 2_SB-03	L1780570-06	Ammonia Nitrogen	34.2		15.5	1	10/02/2024 10:57	WG2371177
NG_PLAYGROUND 2_SB-04	L1780570-07	Ammonia Nitrogen	44.0		14.2	1	10/02/2024 10:58	WG2371177

Mercury by Method 7471B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
NG_PLAYGROUND 1_SB-01	L1780570-01	Mercury	0.225		0.0535	1	09/28/2024 17:50	WG2371388
NG_PLAYGROUND 1_SB-02	L1780570-02	Mercury	0.0762		0.0529	1	09/28/2024 17:52	WG2371388
NG_PLAYGROUND 2_SB-01	L1780570-04	Mercury	0.0940		0.0543	1	09/27/2024 19:27	WG2371208
NG_PLAYGROUND 2_SB-02	L1780570-05	Mercury	0.510		0.0536	1	09/27/2024 19:29	WG2371208
NG_PLAYGROUND 2_SB-03	L1780570-06	Mercury	0.0684		0.0621	1	09/28/2024 14:26	WG2371210
NG_PLAYGROUND 2_SB-04	L1780570-07	Mercury	0.0748		0.0569	1	09/28/2024 14:29	WG2371210
NG_PLAYGROUND 2_SB-05	L1780570-08	Mercury	0.245		0.0622	1	09/28/2024 14:31	WG2371210
NG_PLAYGROUND 2_SB-06	L1780570-09	Mercury	0.111		0.0547	1	09/28/2024 14:34	WG2371210

DETECTION SUMMARY

Metals (ICPMS) by Method 6020B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
NG_PLAYGROUND 1_SB-01	L1780570-01	Arsenic	1.86		1.34	5	09/28/2024 17:45	WG2371125
NG_PLAYGROUND 1_SB-01	L1780570-01	Barium	79.3		3.34	5	10/01/2024 12:02	WG2372087
NG_PLAYGROUND 1_SB-01	L1780570-01	Chromium	13.6		6.68	5	09/28/2024 17:45	WG2371125
NG_PLAYGROUND 1_SB-01	L1780570-01	Cobalt	5.03		1.34	5	09/28/2024 17:45	WG2371125
NG_PLAYGROUND 1_SB-01	L1780570-01	Copper	24.7		6.68	5	09/28/2024 17:45	WG2371125
NG_PLAYGROUND 1_SB-01	L1780570-01	Lead	51.2		2.67	5	09/28/2024 17:45	WG2371125
NG_PLAYGROUND 1_SB-01	L1780570-01	Manganese	347		6.68	10	09/29/2024 11:17	WG2371125
NG_PLAYGROUND 1_SB-01	L1780570-01	Nickel	8.14		3.34	5	09/28/2024 17:45	WG2371125
NG_PLAYGROUND 1_SB-01	L1780570-01	Vanadium	16.8		3.34	5	09/28/2024 17:45	WG2371125
NG_PLAYGROUND 1_SB-01	L1780570-01	Zinc	73.1		33.4	5	09/28/2024 17:45	WG2371125
NG_PLAYGROUND 1_SB-02	L1780570-02	Arsenic	2.99		1.32	5	09/28/2024 17:48	WG2371125
NG_PLAYGROUND 1_SB-02	L1780570-02	Barium	69.0		3.31	5	10/01/2024 11:45	WG2372087
NG_PLAYGROUND 1_SB-02	L1780570-02	Chromium	25.6		6.61	5	09/28/2024 17:48	WG2371125
NG_PLAYGROUND 1_SB-02	L1780570-02	Cobalt	9.31		1.32	5	09/28/2024 17:48	WG2371125
NG_PLAYGROUND 1_SB-02	L1780570-02	Copper	20.1		6.61	5	09/28/2024 17:48	WG2371125
NG_PLAYGROUND 1_SB-02	L1780570-02	Lead	36.1		2.64	5	09/28/2024 17:48	WG2371125
NG_PLAYGROUND 1_SB-02	L1780570-02	Manganese	393		6.61	10	09/29/2024 11:21	WG2371125
NG_PLAYGROUND 1_SB-02	L1780570-02	Nickel	12.7		3.31	5	09/28/2024 17:48	WG2371125
NG_PLAYGROUND 1_SB-02	L1780570-02	Vanadium	32.1		3.31	5	09/28/2024 17:48	WG2371125
NG_PLAYGROUND 1_SB-02	L1780570-02	Zinc	51.9		33.1	5	09/28/2024 17:48	WG2371125
NG_PLAYGROUND 1_SB-03	L1780570-03	Arsenic	3.10		1.43	5	09/28/2024 17:29	WG2371125
NG_PLAYGROUND 1_SB-03	L1780570-03	Barium	82.3	B	3.57	5	09/28/2024 17:29	WG2371125
NG_PLAYGROUND 1_SB-03	L1780570-03	Barium	57.7		3.57	5	10/01/2024 12:05	WG2372087
NG_PLAYGROUND 1_SB-03	L1780570-03	Chromium	31.0		7.14	5	09/28/2024 17:29	WG2371125
NG_PLAYGROUND 1_SB-03	L1780570-03	Cobalt	11.4		1.43	5	09/28/2024 17:29	WG2371125
NG_PLAYGROUND 1_SB-03	L1780570-03	Copper	18.7		7.14	5	09/28/2024 17:29	WG2371125
NG_PLAYGROUND 1_SB-03	L1780570-03	Lead	30.0		2.86	5	09/28/2024 17:29	WG2371125
NG_PLAYGROUND 1_SB-03	L1780570-03	Manganese	461		7.14	10	09/29/2024 13:42	WG2371125
NG_PLAYGROUND 1_SB-03	L1780570-03	Nickel	14.9		3.57	5	09/28/2024 17:29	WG2371125
NG_PLAYGROUND 1_SB-03	L1780570-03	Vanadium	38.3		3.57	5	09/28/2024 17:29	WG2371125
NG_PLAYGROUND 1_SB-03	L1780570-03	Zinc	46.2		35.7	5	09/28/2024 17:29	WG2371125

DETECTION SUMMARY

Metals (ICPMS) by Method 6020B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
NG_PLAYGROUND 2_SB-01	L1780570-04	Arsenic	2.41		1.36	5	09/28/2024 17:51	WG2371125
NG_PLAYGROUND 2_SB-01	L1780570-04	Barium	131		3.40	5	09/28/2024 17:51	WG2371125
NG_PLAYGROUND 2_SB-01	L1780570-04	Chromium	17.9		6.79	5	09/28/2024 17:51	WG2371125
NG_PLAYGROUND 2_SB-01	L1780570-04	Cobalt	9.53		1.36	5	09/28/2024 17:51	WG2371125
NG_PLAYGROUND 2_SB-01	L1780570-04	Copper	37.1		6.79	5	09/28/2024 17:51	WG2371125
NG_PLAYGROUND 2_SB-01	L1780570-04	Lead	90.3		2.72	5	09/28/2024 17:51	WG2371125
NG_PLAYGROUND 2_SB-01	L1780570-04	Manganese	256		6.79	10	09/29/2024 11:27	WG2371125
NG_PLAYGROUND 2_SB-01	L1780570-04	Nickel	9.25		3.40	5	09/28/2024 17:51	WG2371125
NG_PLAYGROUND 2_SB-01	L1780570-04	Vanadium	29.0		3.40	5	09/28/2024 17:51	WG2371125
NG_PLAYGROUND 2_SB-01	L1780570-04	Zinc	120		34.0	5	09/28/2024 17:51	WG2371125
NG_PLAYGROUND 2_SB-02	L1780570-05	Antimony	6.49		4.02	5	09/28/2024 16:22	WG2371125
NG_PLAYGROUND 2_SB-02	L1780570-05	Arsenic	7.34		1.34	5	09/28/2024 14:15	WG2371125
NG_PLAYGROUND 2_SB-02	L1780570-05	Barium	457		3.35	5	09/28/2024 14:15	WG2371125
NG_PLAYGROUND 2_SB-02	L1780570-05	Cadmium	2.95		1.34	5	09/28/2024 14:15	WG2371125
NG_PLAYGROUND 2_SB-02	L1780570-05	Chromium	13.2		6.70	5	09/28/2024 14:15	WG2371125
NG_PLAYGROUND 2_SB-02	L1780570-05	Cobalt	5.80		1.34	5	09/28/2024 14:15	WG2371125
NG_PLAYGROUND 2_SB-02	L1780570-05	Copper	489	E	6.70	5	09/28/2024 14:15	WG2371125
NG_PLAYGROUND 2_SB-02	L1780570-05	Lead	2050		2.68	5	09/28/2024 14:15	WG2371125
NG_PLAYGROUND 2_SB-02	L1780570-05	Manganese	628		3.35	5	09/28/2024 14:15	WG2371125
NG_PLAYGROUND 2_SB-02	L1780570-05	Manganese	675		13.4	20	09/29/2024 11:30	WG2371125
NG_PLAYGROUND 2_SB-02	L1780570-05	Nickel	24.6		3.35	5	09/28/2024 14:15	WG2371125
NG_PLAYGROUND 2_SB-02	L1780570-05	Silver	1.31		0.670	5	09/28/2024 14:15	WG2371125
NG_PLAYGROUND 2_SB-02	L1780570-05	Vanadium	12.1		3.35	5	09/28/2024 14:15	WG2371125
NG_PLAYGROUND 2_SB-02	L1780570-05	Zinc	1680		33.5	5	09/28/2024 14:15	WG2371125
NG_PLAYGROUND 2_SB-03	L1780570-06	Arsenic	3.42		1.55	5	10/07/2024 21:12	WG2371056
NG_PLAYGROUND 2_SB-03	L1780570-06	Barium	169		3.88	5	10/07/2024 21:12	WG2371056
NG_PLAYGROUND 2_SB-03	L1780570-06	Chromium	38.2		7.76	5	10/07/2024 21:12	WG2371056
NG_PLAYGROUND 2_SB-03	L1780570-06	Cobalt	12.2		1.55	5	10/07/2024 21:12	WG2371056
NG_PLAYGROUND 2_SB-03	L1780570-06	Copper	49.3		7.76	5	10/07/2024 21:12	WG2371056
NG_PLAYGROUND 2_SB-03	L1780570-06	Lead	44.5		3.11	5	10/07/2024 21:12	WG2371056
NG_PLAYGROUND 2_SB-03	L1780570-06	Manganese	386		7.76	10	10/08/2024 01:50	WG2371056
NG_PLAYGROUND 2_SB-03	L1780570-06	Nickel	19.3		3.88	5	10/07/2024 21:12	WG2371056
NG_PLAYGROUND 2_SB-03	L1780570-06	Vanadium	51.1		3.88	5	10/07/2024 21:12	WG2371056
NG_PLAYGROUND 2_SB-03	L1780570-06	Zinc	127		38.8	5	10/07/2024 21:12	WG2371056

DETECTION SUMMARY

Metals (ICPMS) by Method 6020B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
NG_PLAYGROUND 2_SB-04	L1780570-07	Arsenic	3.54		1.42	5	10/07/2024 21:16	WG2371056
NG_PLAYGROUND 2_SB-04	L1780570-07	Barium	129		3.56	5	10/07/2024 21:16	WG2371056
NG_PLAYGROUND 2_SB-04	L1780570-07	Chromium	26.1		7.12	5	10/07/2024 21:16	WG2371056
NG_PLAYGROUND 2_SB-04	L1780570-07	Cobalt	10.6		1.42	5	10/07/2024 21:16	WG2371056
NG_PLAYGROUND 2_SB-04	L1780570-07	Copper	65.3		7.12	5	10/07/2024 21:16	WG2371056
NG_PLAYGROUND 2_SB-04	L1780570-07	Lead	114		2.85	5	10/07/2024 21:16	WG2371056
NG_PLAYGROUND 2_SB-04	L1780570-07	Manganese	2430		71.2	100	10/08/2024 01:54	WG2371056
NG_PLAYGROUND 2_SB-04	L1780570-07	Nickel	14.2		3.56	5	10/07/2024 21:16	WG2371056
NG_PLAYGROUND 2_SB-04	L1780570-07	Vanadium	30.7		3.56	5	10/07/2024 21:16	WG2371056
NG_PLAYGROUND 2_SB-04	L1780570-07	Zinc	155		35.6	5	10/07/2024 21:16	WG2371056
NG_PLAYGROUND 2_SB-05	L1780570-08	Antimony	5.01		4.66	5	10/07/2024 21:19	WG2371056
NG_PLAYGROUND 2_SB-05	L1780570-08	Arsenic	7.13		1.55	5	10/07/2024 21:19	WG2371056
NG_PLAYGROUND 2_SB-05	L1780570-08	Barium	247		3.89	5	10/07/2024 21:19	WG2371056
NG_PLAYGROUND 2_SB-05	L1780570-08	Chromium	43.7		7.77	5	10/07/2024 21:19	WG2371056
NG_PLAYGROUND 2_SB-05	L1780570-08	Cobalt	14.1		1.55	5	10/07/2024 21:19	WG2371056
NG_PLAYGROUND 2_SB-05	L1780570-08	Copper	152		7.77	5	10/07/2024 21:19	WG2371056
NG_PLAYGROUND 2_SB-05	L1780570-08	Lead	333		3.11	5	10/07/2024 21:19	WG2371056
NG_PLAYGROUND 2_SB-05	L1780570-08	Manganese	588		15.5	20	10/08/2024 01:57	WG2371056
NG_PLAYGROUND 2_SB-05	L1780570-08	Nickel	25.8		3.89	5	10/07/2024 21:19	WG2371056
NG_PLAYGROUND 2_SB-05	L1780570-08	Vanadium	46.6		3.89	5	10/07/2024 21:19	WG2371056
NG_PLAYGROUND 2_SB-05	L1780570-08	Zinc	425		38.9	5	10/07/2024 21:19	WG2371056
NG_PLAYGROUND 2_SB-06	L1780570-09	Arsenic	6.19		1.37	5	10/07/2024 21:33	WG2371056
NG_PLAYGROUND 2_SB-06	L1780570-09	Barium	374		3.42	5	10/07/2024 21:33	WG2371056
NG_PLAYGROUND 2_SB-06	L1780570-09	Chromium	30.4		6.84	5	10/07/2024 21:33	WG2371056
NG_PLAYGROUND 2_SB-06	L1780570-09	Cobalt	9.95		1.37	5	10/07/2024 21:33	WG2371056
NG_PLAYGROUND 2_SB-06	L1780570-09	Copper	165		6.84	5	10/07/2024 21:33	WG2371056
NG_PLAYGROUND 2_SB-06	L1780570-09	Lead	480		2.73	5	10/07/2024 21:33	WG2371056
NG_PLAYGROUND 2_SB-06	L1780570-09	Manganese	483		6.84	10	10/08/2024 02:00	WG2371056
NG_PLAYGROUND 2_SB-06	L1780570-09	Nickel	19.3		3.42	5	10/07/2024 21:33	WG2371056
NG_PLAYGROUND 2_SB-06	L1780570-09	Silver	0.827		0.684	5	10/07/2024 21:33	WG2371056
NG_PLAYGROUND 2_SB-06	L1780570-09	Vanadium	31.2		3.42	5	10/07/2024 21:33	WG2371056
NG_PLAYGROUND 2_SB-06	L1780570-09	Zinc	582		34.2	5	10/07/2024 21:33	WG2371056

Metals (ICPMS) by Method 6020B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
NG_PLAYGROUND 3_SB-01	L1780570-10	Arsenic	1.74		1.41	5	10/07/2024 21:37	WG2371056
NG_PLAYGROUND 3_SB-01	L1780570-10	Barium	101		3.53	5	10/07/2024 21:37	WG2371056
NG_PLAYGROUND 3_SB-01	L1780570-10	Chromium	24.3		7.06	5	10/07/2024 21:37	WG2371056
NG_PLAYGROUND 3_SB-01	L1780570-10	Cobalt	9.60		1.41	5	10/07/2024 21:37	WG2371056
NG_PLAYGROUND 3_SB-01	L1780570-10	Copper	9.17		7.06	5	10/07/2024 21:37	WG2371056
NG_PLAYGROUND 3_SB-01	L1780570-10	Lead	15.5		2.82	5	10/07/2024 21:37	WG2371056
NG_PLAYGROUND 3_SB-01	L1780570-10	Manganese	363		7.06	10	10/08/2024 02:04	WG2371056
NG_PLAYGROUND 3_SB-01	L1780570-10	Nickel	10.1		3.53	5	10/07/2024 21:37	WG2371056
NG_PLAYGROUND 3_SB-01	L1780570-10	Vanadium	36.1		3.53	5	10/07/2024 21:37	WG2371056
NG_PLAYGROUND 3_SB-02	L1780570-11	Barium	82.0		3.35	5	10/07/2024 21:40	WG2371056
NG_PLAYGROUND 3_SB-02	L1780570-11	Chromium	21.3		6.70	5	10/07/2024 21:40	WG2371056
NG_PLAYGROUND 3_SB-02	L1780570-11	Cobalt	8.08		1.34	5	10/07/2024 21:40	WG2371056
NG_PLAYGROUND 3_SB-02	L1780570-11	Copper	7.37		6.70	5	10/07/2024 21:40	WG2371056
NG_PLAYGROUND 3_SB-02	L1780570-11	Lead	13.1		2.68	5	10/07/2024 21:40	WG2371056
NG_PLAYGROUND 3_SB-02	L1780570-11	Manganese	290		6.70	10	10/08/2024 02:07	WG2371056
NG_PLAYGROUND 3_SB-02	L1780570-11	Nickel	7.57		3.35	5	10/07/2024 21:40	WG2371056
NG_PLAYGROUND 3_SB-02	L1780570-11	Vanadium	29.7		3.35	5	10/07/2024 21:40	WG2371056
NG_PLAYGROUND 3_SB-03	L1780570-12	Arsenic	1.66		1.29	5	10/07/2024 21:43	WG2371056
NG_PLAYGROUND 3_SB-03	L1780570-12	Barium	99.3		3.24	5	10/07/2024 21:43	WG2371056
NG_PLAYGROUND 3_SB-03	L1780570-12	Chromium	22.6		6.47	5	10/07/2024 21:43	WG2371056
NG_PLAYGROUND 3_SB-03	L1780570-12	Cobalt	13.1		1.29	5	10/07/2024 21:43	WG2371056
NG_PLAYGROUND 3_SB-03	L1780570-12	Copper	13.2		6.47	5	10/07/2024 21:43	WG2371056
NG_PLAYGROUND 3_SB-03	L1780570-12	Lead	26.4		2.59	5	10/07/2024 21:43	WG2371056
NG_PLAYGROUND 3_SB-03	L1780570-12	Manganese	544		12.9	20	10/08/2024 02:10	WG2371056
NG_PLAYGROUND 3_SB-03	L1780570-12	Nickel	9.09		3.24	5	10/07/2024 21:43	WG2371056
NG_PLAYGROUND 3_SB-03	L1780570-12	Vanadium	34.0		3.24	5	10/07/2024 21:43	WG2371056
NG_PLAYGROUND 3_SB-03	L1780570-12	Zinc	43.7		32.4	5	10/07/2024 21:43	WG2371056

DETECTION SUMMARY

Metals (ICPMS) by Method 6020B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
NG_PLAYGROUND 3_SB-04	L1780570-13	Arsenic	1.91		1.35	5	10/07/2024 21:46	WG2371056
NG_PLAYGROUND 3_SB-04	L1780570-13	Barium	103		3.38	5	10/07/2024 21:46	WG2371056
NG_PLAYGROUND 3_SB-04	L1780570-13	Chromium	20.5		6.76	5	10/07/2024 21:46	WG2371056
NG_PLAYGROUND 3_SB-04	L1780570-13	Cobalt	10.7		1.35	5	10/07/2024 21:46	WG2371056
NG_PLAYGROUND 3_SB-04	L1780570-13	Copper	23.5		6.76	5	10/07/2024 21:46	WG2371056
NG_PLAYGROUND 3_SB-04	L1780570-13	Lead	58.9		2.70	5	10/07/2024 21:46	WG2371056
NG_PLAYGROUND 3_SB-04	L1780570-13	Manganese	562		13.5	20	10/08/2024 02:14	WG2371056
NG_PLAYGROUND 3_SB-04	L1780570-13	Nickel	8.81		3.38	5	10/07/2024 21:46	WG2371056
NG_PLAYGROUND 3_SB-04	L1780570-13	Vanadium	29.1		3.38	5	10/07/2024 21:46	WG2371056
NG_PLAYGROUND 3_SB-04	L1780570-13	Zinc	80.0		33.8	5	10/07/2024 21:46	WG2371056
DUPLICATE	L1780570-14	Arsenic	2.76		1.49	5	10/07/2024 21:49	WG2371056
DUPLICATE	L1780570-14	Barium	90.5		3.73	5	10/07/2024 21:49	WG2371056
DUPLICATE	L1780570-14	Chromium	31.5		7.46	5	10/07/2024 21:49	WG2371056
DUPLICATE	L1780570-14	Cobalt	13.6		1.49	5	10/07/2024 21:49	WG2371056
DUPLICATE	L1780570-14	Copper	17.0		7.46	5	10/07/2024 21:49	WG2371056
DUPLICATE	L1780570-14	Lead	21.2		2.98	5	10/07/2024 21:49	WG2371056
DUPLICATE	L1780570-14	Manganese	523		7.46	10	10/08/2024 02:17	WG2371056
DUPLICATE	L1780570-14	Nickel	15.6		3.73	5	10/07/2024 21:49	WG2371056
DUPLICATE	L1780570-14	Vanadium	40.4		3.73	5	10/07/2024 21:49	WG2371056
DUPLICATE	L1780570-14	Zinc	41.5		37.3	5	10/07/2024 21:49	WG2371056

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

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
NG_PLAYGROUND 1_SB-01	L1780570-01	Benzene	0.00251		0.00182	1	09/29/2024 11:29	WG2372071
NG_PLAYGROUND 1_SB-01	L1780570-01	Toluene	0.0149		0.00910	1	09/29/2024 11:29	WG2372071
NG_PLAYGROUND 2_SB-02	L1780570-05	Benzene	0.00235		0.00171	1.02	09/29/2024 12:46	WG2372071

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
NG_PLAYGROUND 1_SB-02	L1780570-02	Fluoranthene	0.0606		0.0440	1	10/04/2024 02:41	WG2374327
NG_PLAYGROUND 1_SB-02	L1780570-02	Pyrene	0.0567		0.0440	1	10/04/2024 02:41	WG2374327
NG_PLAYGROUND 2_SB-01	L1780570-04	Benzo(a)anthracene	0.0465		0.0452	1	10/04/2024 03:44	WG2374327
NG_PLAYGROUND 2_SB-01	L1780570-04	Benzo(b)fluoranthene	0.0682		0.0452	1	10/04/2024 03:44	WG2374327
NG_PLAYGROUND 2_SB-01	L1780570-04	Benzo(a)pyrene	0.0516		0.0452	1	10/04/2024 03:44	WG2374327
NG_PLAYGROUND 2_SB-01	L1780570-04	Chrysene	0.0501		0.0452	1	10/04/2024 03:44	WG2374327
NG_PLAYGROUND 2_SB-01	L1780570-04	Fluoranthene	0.115		0.0452	1	10/04/2024 03:44	WG2374327
NG_PLAYGROUND 2_SB-01	L1780570-04	Phenanthrene	0.0603		0.0452	1	10/04/2024 03:44	WG2374327
NG_PLAYGROUND 2_SB-01	L1780570-04	Pyrene	0.103		0.0452	1	10/04/2024 03:44	WG2374327

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
NG_PLAYGROUND 2_SB-04	L1780570-07	Benzo(b)fluoranthene	0.0552		0.0474	1	10/04/2024 04:26	WG2374327
NG_PLAYGROUND 2_SB-04	L1780570-07	Fluoranthene	0.0875		0.0474	1	10/04/2024 04:26	WG2374327
NG_PLAYGROUND 2_SB-04	L1780570-07	Phenanthrene	0.0594		0.0474	1	10/04/2024 04:26	WG2374327
NG_PLAYGROUND 2_SB-04	L1780570-07	Pyrene	0.0722		0.0474	1	10/04/2024 04:26	WG2374327

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chromium,Trivalent	13.6		1.34	1	09/30/2024 09:59	WG2371125

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	74.8		1	09/27/2024 07:37	WG2370998

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	16.7	P1	13.4	1	10/02/2024 10:44	WG2371177

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.34	1	09/30/2024 09:59	WG2370754

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate as (N)	ND		13.4	1	09/28/2024 10:13	WG2370810
Sulfate	ND		66.8	1	09/28/2024 10:13	WG2370810

Mercury by Method 7471B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	0.225		0.0535	1	09/28/2024 17:50	WG2371388

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Antimony	ND		4.01	5	09/28/2024 17:45	WG2371125
Arsenic	1.86		1.34	5	09/28/2024 17:45	WG2371125
Barium	79.3		3.34	5	10/01/2024 12:02	WG2372087
Beryllium	ND		3.34	5	09/28/2024 17:45	WG2371125
Cadmium	ND		1.34	5	09/28/2024 17:45	WG2371125
Chromium	13.6		6.68	5	09/28/2024 17:45	WG2371125
Cobalt	5.03		1.34	5	09/28/2024 17:45	WG2371125
Copper	24.7		6.68	5	09/28/2024 17:45	WG2371125
Lead	51.2		2.67	5	09/28/2024 17:45	WG2371125
Manganese	347		6.68	10	09/29/2024 11:17	WG2371125
Nickel	8.14		3.34	5	09/28/2024 17:45	WG2371125
Selenium	ND		3.34	5	09/28/2024 17:45	WG2371125
Silver	ND		0.668	5	09/28/2024 17:45	WG2371125
Thallium	ND		2.67	5	09/28/2024 17:45	WG2371125
Vanadium	16.8		3.34	5	09/28/2024 17:45	WG2371125
Zinc	73.1		33.4	5	09/28/2024 17:45	WG2371125

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0910	1	09/29/2024 11:29	WG2372071
Acrylonitrile	ND		0.0228	1	09/29/2024 11:29	WG2372071
Benzene	0.00251		0.00182	1	09/29/2024 11:29	WG2372071
Bromobenzene	ND		0.0228	1	09/29/2024 11:29	WG2372071
Bromodichloromethane	ND		0.00455	1	09/29/2024 11:29	WG2372071
Bromoform	ND		0.0455	1	09/29/2024 11:29	WG2372071
Bromomethane	ND		0.0228	1	09/29/2024 11:29	WG2372071
n-Butylbenzene	ND		0.0228	1	09/29/2024 11:29	WG2372071
sec-Butylbenzene	ND		0.0228	1	09/29/2024 11:29	WG2372071
tert-Butylbenzene	ND		0.00910	1	09/29/2024 11:29	WG2372071
Carbon tetrachloride	ND		0.00910	1	09/29/2024 11:29	WG2372071
Chlorobenzene	ND		0.00455	1	09/29/2024 11:29	WG2372071
Chlorodibromomethane	ND		0.00455	1	09/29/2024 11:29	WG2372071
Chloroethane	ND		0.00910	1	09/29/2024 11:29	WG2372071
Chloroform	ND		0.00455	1	09/29/2024 11:29	WG2372071
Chloromethane	ND		0.0228	1	09/29/2024 11:29	WG2372071
2-Chlorotoluene	ND		0.00455	1	09/29/2024 11:29	WG2372071
4-Chlorotoluene	ND		0.00910	1	09/29/2024 11:29	WG2372071
1,2-Dibromo-3-Chloropropane	ND		0.0455	1	09/29/2024 11:29	WG2372071
1,2-Dibromoethane	ND		0.00455	1	09/29/2024 11:29	WG2372071
Dibromomethane	ND		0.00910	1	09/29/2024 11:29	WG2372071
1,2-Dichlorobenzene	ND		0.00910	1	09/29/2024 11:29	WG2372071
1,3-Dichlorobenzene	ND		0.00910	1	09/29/2024 11:29	WG2372071
1,4-Dichlorobenzene	ND		0.00910	1	09/29/2024 11:29	WG2372071
Dichlorodifluoromethane	ND		0.00910	1	09/29/2024 11:29	WG2372071
1,1-Dichloroethane	ND		0.00455	1	09/29/2024 11:29	WG2372071
1,2-Dichloroethane	ND		0.00455	1	09/29/2024 11:29	WG2372071
1,1-Dichloroethene	ND		0.00455	1	09/29/2024 11:29	WG2372071
cis-1,2-Dichloroethene	ND		0.00455	1	09/29/2024 11:29	WG2372071
trans-1,2-Dichloroethene	ND		0.00910	1	09/29/2024 11:29	WG2372071
1,2-Dichloropropane	ND		0.00910	1	09/29/2024 11:29	WG2372071
1,1-Dichloropropene	ND		0.00455	1	09/29/2024 11:29	WG2372071
1,3-Dichloropropane	ND		0.00910	1	09/29/2024 11:29	WG2372071
cis-1,3-Dichloropropene	ND		0.00455	1	09/29/2024 11:29	WG2372071
trans-1,3-Dichloropropene	ND		0.00910	1	09/29/2024 11:29	WG2372071
2,2-Dichloropropane	ND		0.00455	1	09/29/2024 11:29	WG2372071
Di-isopropyl ether	ND		0.00182	1	09/29/2024 11:29	WG2372071
Ethylbenzene	ND		0.00455	1	09/29/2024 11:29	WG2372071
Hexachloro-1,3-butadiene	ND		0.0455	1	09/29/2024 11:29	WG2372071
Isopropylbenzene	ND		0.00455	1	09/29/2024 11:29	WG2372071
p-Isopropyltoluene	ND		0.00910	1	09/29/2024 11:29	WG2372071
2-Butanone (MEK)	ND		0.182	1	09/29/2024 11:29	WG2372071
Methylene Chloride	ND		0.0455	1	09/29/2024 11:29	WG2372071
4-Methyl-2-pentanone (MIBK)	ND		0.0455	1	09/29/2024 11:29	WG2372071
Methyl tert-butyl ether	ND		0.00182	1	09/29/2024 11:29	WG2372071
Naphthalene	ND		0.0228	1	09/29/2024 11:29	WG2372071
n-Propylbenzene	ND		0.00910	1	09/29/2024 11:29	WG2372071
Styrene	ND		0.0228	1	09/29/2024 11:29	WG2372071
1,1,1,2-Tetrachloroethane	ND		0.00455	1	09/29/2024 11:29	WG2372071
1,1,2,2-Tetrachloroethane	ND		0.00455	1	09/29/2024 11:29	WG2372071
Tetrachloroethene	ND		0.00455	1	09/29/2024 11:29	WG2372071
Toluene	0.0149		0.00910	1	09/29/2024 11:29	WG2372071
1,2,3-Trichlorobenzene	ND		0.0228	1	09/29/2024 11:29	WG2372071
1,2,4-Trichlorobenzene	ND		0.0228	1	09/29/2024 11:29	WG2372071
1,1,1-Trichloroethane	ND		0.00455	1	09/29/2024 11:29	WG2372071
1,1,2-Trichloroethane	ND		0.00455	1	09/29/2024 11:29	WG2372071

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Trichloroethene	ND	J4	0.00182	1	09/29/2024 11:29	WG2372071
Trichlorofluoromethane	ND		0.00455	1	09/29/2024 11:29	WG2372071
1,2,3-Trichloropropane	ND		0.0228	1	09/29/2024 11:29	WG2372071
1,2,4-Trimethylbenzene	ND		0.00910	1	09/29/2024 11:29	WG2372071
1,3,5-Trimethylbenzene	ND		0.00910	1	09/29/2024 11:29	WG2372071
Vinyl chloride	ND		0.00455	1	09/29/2024 11:29	WG2372071
Xylenes, Total	ND		0.0118	1	09/29/2024 11:29	WG2372071
(S) Toluene-d8	*97.0*		*75.0-131*		*09/29/2024 11:29*	WG2372071
(S) 4-Bromofluorobenzene	*97.8*		*67.0-138*		*09/29/2024 11:29*	WG2372071
(S) 1,2-Dichloroethane-d4	*77.0*		*70.0-130*		*09/29/2024 11:29*	WG2372071

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0445	1	10/04/2024 03:02	WG2374327
Acenaphthylene	ND		0.0445	1	10/04/2024 03:02	WG2374327
Anthracene	ND		0.0445	1	10/04/2024 03:02	WG2374327
Benzidine	ND		2.23	1	10/04/2024 03:02	WG2374327
Benzo(a)anthracene	ND		0.0445	1	10/04/2024 03:02	WG2374327
Benzo(b)fluoranthene	ND		0.0445	1	10/04/2024 03:02	WG2374327
Benzo(k)fluoranthene	ND		0.0445	1	10/04/2024 03:02	WG2374327
Benzo(g,h,i)perylene	ND		0.0445	1	10/04/2024 03:02	WG2374327
Benzo(a)pyrene	ND		0.0445	1	10/04/2024 03:02	WG2374327
Bis(2-chlorethoxy)methane	ND		0.445	1	10/04/2024 03:02	WG2374327
Bis(2-chloroethyl)ether	ND		0.445	1	10/04/2024 03:02	WG2374327
2,2-Oxybis(1-Chloropropane)	ND		0.445	1	10/04/2024 03:02	WG2374327
4-Bromophenyl-phenylether	ND		0.445	1	10/04/2024 03:02	WG2374327
2-Chloronaphthalene	ND		0.0445	1	10/04/2024 03:02	WG2374327
4-Chlorophenyl-phenylether	ND		0.445	1	10/04/2024 03:02	WG2374327
Chrysene	ND		0.0445	1	10/04/2024 03:02	WG2374327
Dibenz(a,h)anthracene	ND		0.0445	1	10/04/2024 03:02	WG2374327
3,3-Dichlorobenzidine	ND		0.445	1	10/04/2024 03:02	WG2374327
2,4-Dinitrotoluene	ND		0.445	1	10/04/2024 03:02	WG2374327
2,6-Dinitrotoluene	ND		0.445	1	10/04/2024 03:02	WG2374327
Fluoranthene	ND		0.0445	1	10/04/2024 03:02	WG2374327
Fluorene	ND		0.0445	1	10/04/2024 03:02	WG2374327
Hexachlorobenzene	ND		0.445	1	10/04/2024 03:02	WG2374327
Hexachloro-1,3-butadiene	ND		0.445	1	10/04/2024 03:02	WG2374327
Hexachlorocyclopentadiene	ND		0.445	1	10/04/2024 03:02	WG2374327
Hexachloroethane	ND		0.445	1	10/04/2024 03:02	WG2374327
Indeno(1,2,3-cd)pyrene	ND		0.0445	1	10/04/2024 03:02	WG2374327
Isophorone	ND		0.445	1	10/04/2024 03:02	WG2374327
Naphthalene	ND		0.0445	1	10/04/2024 03:02	WG2374327
Nitrobenzene	ND		0.445	1	10/04/2024 03:02	WG2374327
n-Nitrosodimethylamine	ND		0.445	1	10/04/2024 03:02	WG2374327
n-Nitrosodiphenylamine	ND		0.445	1	10/04/2024 03:02	WG2374327
n-Nitrosodi-n-propylamine	ND		0.445	1	10/04/2024 03:02	WG2374327
Phenanthrene	ND		0.0445	1	10/04/2024 03:02	WG2374327
Benzylbutyl phthalate	ND		0.445	1	10/04/2024 03:02	WG2374327
Bis(2-ethylhexyl)phthalate	ND		0.445	1	10/04/2024 03:02	WG2374327
Di-n-butyl phthalate	ND		0.445	1	10/04/2024 03:02	WG2374327
Diethyl phthalate	ND		0.445	1	10/04/2024 03:02	WG2374327
Dimethyl phthalate	ND		0.445	1	10/04/2024 03:02	WG2374327
Di-n-octyl phthalate	ND		0.445	1	10/04/2024 03:02	WG2374327
Pyrene	ND		0.0445	1	10/04/2024 03:02	WG2374327
1,2,4-Trichlorobenzene	ND		0.445	1	10/04/2024 03:02	WG2374327

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Chloro-3-methylphenol	ND		0.445	1	10/04/2024 03:02	WG2374327
2-Chlorophenol	ND		0.445	1	10/04/2024 03:02	WG2374327
2,4-Dichlorophenol	ND		0.445	1	10/04/2024 03:02	WG2374327
2,4-Dimethylphenol	ND		0.445	1	10/04/2024 03:02	WG2374327
4,6-Dinitro-2-methylphenol	ND		0.445	1	10/04/2024 03:02	WG2374327
2,4-Dinitrophenol	ND		0.445	1	10/04/2024 03:02	WG2374327
2-Nitrophenol	ND		0.445	1	10/04/2024 03:02	WG2374327
4-Nitrophenol	ND		0.445	1	10/04/2024 03:02	WG2374327
Pentachlorophenol	ND		0.445	1	10/04/2024 03:02	WG2374327
Phenol	ND		0.445	1	10/04/2024 03:02	WG2374327
2,4,6-Trichlorophenol	ND		0.445	1	10/04/2024 03:02	WG2374327
(S) 2-Fluorophenol	*54.4*		*12.0-120*		*10/04/2024 03:02*	WG2374327
(S) Phenol-d5	*48.3*		*10.0-120*		*10/04/2024 03:02*	WG2374327
(S) Nitrobenzene-d5	*48.1*		*10.0-122*		*10/04/2024 03:02*	WG2374327
(S) 2-Fluorobiphenyl	*43.1*		*15.0-120*		*10/04/2024 03:02*	WG2374327
(S) 2,4,6-Tribromophenol	*39.9*		*10.0-127*		*10/04/2024 03:02*	WG2374327
(S) p-Terphenyl-d14	*46.2*		*10.0-120*		*10/04/2024 03:02*	WG2374327

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.134	1	09/28/2024 18:00	WG2371670
(S) Nitrobenzene-d5	*72.8*		*10.0-120*		*09/28/2024 18:00*	WG2371670

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chromium,Trivalent	24.7		1.32	1	09/30/2024 10:05	WG2371125

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	75.6		1	09/27/2024 07:37	WG2370998

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	16.0		13.2	1	10/02/2024 10:49	WG2371177

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.32	1	09/30/2024 10:05	WG2370754

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate as (N)	ND		13.2	1	09/28/2024 10:31	WG2370810
Sulfate	ND		66.1	1	09/28/2024 10:31	WG2370810

Mercury by Method 7471B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	0.0762		0.0529	1	09/28/2024 17:52	WG2371388

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Antimony	ND		3.97	5	09/28/2024 17:48	WG2371125
Arsenic	2.99		1.32	5	09/28/2024 17:48	WG2371125
Barium	69.0		3.31	5	10/01/2024 11:45	WG2372087
Beryllium	ND		3.31	5	09/28/2024 17:48	WG2371125
Cadmium	ND		1.32	5	09/28/2024 17:48	WG2371125
Chromium	25.6		6.61	5	09/28/2024 17:48	WG2371125
Cobalt	9.31		1.32	5	09/28/2024 17:48	WG2371125
Copper	20.1		6.61	5	09/28/2024 17:48	WG2371125
Lead	36.1		2.64	5	09/28/2024 17:48	WG2371125
Manganese	393		6.61	10	09/29/2024 11:21	WG2371125
Nickel	12.7		3.31	5	09/28/2024 17:48	WG2371125
Selenium	ND		3.31	5	09/28/2024 17:48	WG2371125
Silver	ND		0.661	5	09/28/2024 17:48	WG2371125
Thallium	ND		2.64	5	09/28/2024 17:48	WG2371125
Vanadium	32.1		3.31	5	09/28/2024 17:48	WG2371125
Zinc	51.9		33.1	5	09/28/2024 17:48	WG2371125

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0822	1	09/29/2024 11:49	WG2372071
Acrylonitrile	ND		0.0206	1	09/29/2024 11:49	WG2372071
Benzene	ND		0.00164	1	09/29/2024 11:49	WG2372071
Bromobenzene	ND		0.0206	1	09/29/2024 11:49	WG2372071
Bromodichloromethane	ND		0.00411	1	09/29/2024 11:49	WG2372071
Bromoform	ND		0.0411	1	09/29/2024 11:49	WG2372071
Bromomethane	ND		0.0206	1	09/29/2024 11:49	WG2372071
n-Butylbenzene	ND		0.0206	1	09/29/2024 11:49	WG2372071
sec-Butylbenzene	ND		0.0206	1	09/29/2024 11:49	WG2372071
tert-Butylbenzene	ND		0.00822	1	09/29/2024 11:49	WG2372071
Carbon tetrachloride	ND		0.00822	1	09/29/2024 11:49	WG2372071
Chlorobenzene	ND		0.00411	1	09/29/2024 11:49	WG2372071
Chlorodibromomethane	ND		0.00411	1	09/29/2024 11:49	WG2372071
Chloroethane	ND		0.00822	1	09/29/2024 11:49	WG2372071
Chloroform	ND		0.00411	1	09/29/2024 11:49	WG2372071
Chloromethane	ND		0.0206	1	09/29/2024 11:49	WG2372071
2-Chlorotoluene	ND		0.00411	1	09/29/2024 11:49	WG2372071
4-Chlorotoluene	ND		0.00822	1	09/29/2024 11:49	WG2372071
1,2-Dibromo-3-Chloropropane	ND		0.0411	1	09/29/2024 11:49	WG2372071
1,2-Dibromoethane	ND		0.00411	1	09/29/2024 11:49	WG2372071
Dibromomethane	ND		0.00822	1	09/29/2024 11:49	WG2372071
1,2-Dichlorobenzene	ND		0.00822	1	09/29/2024 11:49	WG2372071
1,3-Dichlorobenzene	ND		0.00822	1	09/29/2024 11:49	WG2372071
1,4-Dichlorobenzene	ND		0.00822	1	09/29/2024 11:49	WG2372071
Dichlorodifluoromethane	ND		0.00822	1	09/29/2024 11:49	WG2372071
1,1-Dichloroethane	ND		0.00411	1	09/29/2024 11:49	WG2372071
1,2-Dichloroethane	ND		0.00411	1	09/29/2024 11:49	WG2372071
1,1-Dichloroethene	ND		0.00411	1	09/29/2024 11:49	WG2372071
cis-1,2-Dichloroethene	ND		0.00411	1	09/29/2024 11:49	WG2372071
trans-1,2-Dichloroethene	ND		0.00822	1	09/29/2024 11:49	WG2372071
1,2-Dichloropropane	ND		0.00822	1	09/29/2024 11:49	WG2372071
1,1-Dichloropropene	ND		0.00411	1	09/29/2024 11:49	WG2372071
1,3-Dichloropropane	ND		0.00822	1	09/29/2024 11:49	WG2372071
cis-1,3-Dichloropropene	ND		0.00411	1	09/29/2024 11:49	WG2372071
trans-1,3-Dichloropropene	ND		0.00822	1	09/29/2024 11:49	WG2372071
2,2-Dichloropropane	ND		0.00411	1	09/29/2024 11:49	WG2372071
Di-isopropyl ether	ND		0.00164	1	09/29/2024 11:49	WG2372071
Ethylbenzene	ND		0.00411	1	09/29/2024 11:49	WG2372071
Hexachloro-1,3-butadiene	ND		0.0411	1	09/29/2024 11:49	WG2372071
Isopropylbenzene	ND		0.00411	1	09/29/2024 11:49	WG2372071
p-Isopropyltoluene	ND		0.00822	1	09/29/2024 11:49	WG2372071
2-Butanone (MEK)	ND		0.164	1	09/29/2024 11:49	WG2372071
Methylene Chloride	ND		0.0411	1	09/29/2024 11:49	WG2372071
4-Methyl-2-pentanone (MIBK)	ND		0.0411	1	09/29/2024 11:49	WG2372071
Methyl tert-butyl ether	ND		0.00164	1	09/29/2024 11:49	WG2372071
Naphthalene	ND		0.0206	1	09/29/2024 11:49	WG2372071
n-Propylbenzene	ND		0.00822	1	09/29/2024 11:49	WG2372071
Styrene	ND		0.0206	1	09/29/2024 11:49	WG2372071
1,1,1,2-Tetrachloroethane	ND		0.00411	1	09/29/2024 11:49	WG2372071
1,1,2,2-Tetrachloroethane	ND		0.00411	1	09/29/2024 11:49	WG2372071
Tetrachloroethene	ND		0.00411	1	09/29/2024 11:49	WG2372071
Toluene	ND		0.00822	1	09/29/2024 11:49	WG2372071
1,2,3-Trichlorobenzene	ND		0.0206	1	09/29/2024 11:49	WG2372071
1,2,4-Trichlorobenzene	ND		0.0206	1	09/29/2024 11:49	WG2372071
1,1,1-Trichloroethane	ND		0.00411	1	09/29/2024 11:49	WG2372071
1,1,2-Trichloroethane	ND		0.00411	1	09/29/2024 11:49	WG2372071

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Trichloroethene	ND	J4	0.00164	1	09/29/2024 11:49	WG2372071
Trichlorofluoromethane	ND		0.00411	1	09/29/2024 11:49	WG2372071
1,2,3-Trichloropropane	ND		0.0206	1	09/29/2024 11:49	WG2372071
1,2,4-Trimethylbenzene	ND		0.00822	1	09/29/2024 11:49	WG2372071
1,3,5-Trimethylbenzene	ND		0.00822	1	09/29/2024 11:49	WG2372071
Vinyl chloride	ND		0.00411	1	09/29/2024 11:49	WG2372071
Xylenes, Total	ND		0.0107	1	09/29/2024 11:49	WG2372071
(S) Toluene-d8	*99.8*		*75.0-131*		*09/29/2024 11:49*	WG2372071
(S) 4-Bromofluorobenzene	*99.6*		*67.0-138*		*09/29/2024 11:49*	WG2372071
(S) 1,2-Dichloroethane-d4	*79.6*		*70.0-130*		*09/29/2024 11:49*	WG2372071

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0440	1	10/04/2024 02:41	WG2374327
Acenaphthylene	ND		0.0440	1	10/04/2024 02:41	WG2374327
Anthracene	ND		0.0440	1	10/04/2024 02:41	WG2374327
Benzidine	ND		2.21	1	10/04/2024 02:41	WG2374327
Benzo(a)anthracene	ND		0.0440	1	10/04/2024 02:41	WG2374327
Benzo(b)fluoranthene	ND		0.0440	1	10/04/2024 02:41	WG2374327
Benzo(k)fluoranthene	ND		0.0440	1	10/04/2024 02:41	WG2374327
Benzo(g,h,i)perylene	ND		0.0440	1	10/04/2024 02:41	WG2374327
Benzo(a)pyrene	ND		0.0440	1	10/04/2024 02:41	WG2374327
Bis(2-chlorethoxy)methane	ND		0.440	1	10/04/2024 02:41	WG2374327
Bis(2-chloroethyl)ether	ND		0.440	1	10/04/2024 02:41	WG2374327
2,2-Oxybis(1-Chloropropane)	ND		0.440	1	10/04/2024 02:41	WG2374327
4-Bromophenyl-phenylether	ND		0.440	1	10/04/2024 02:41	WG2374327
2-Chloronaphthalene	ND		0.0440	1	10/04/2024 02:41	WG2374327
4-Chlorophenyl-phenylether	ND		0.440	1	10/04/2024 02:41	WG2374327
Chrysene	ND		0.0440	1	10/04/2024 02:41	WG2374327
Dibenz(a,h)anthracene	ND		0.0440	1	10/04/2024 02:41	WG2374327
3,3-Dichlorobenzidine	ND		0.440	1	10/04/2024 02:41	WG2374327
2,4-Dinitrotoluene	ND		0.440	1	10/04/2024 02:41	WG2374327
2,6-Dinitrotoluene	ND		0.440	1	10/04/2024 02:41	WG2374327
Fluoranthene	0.0606		0.0440	1	10/04/2024 02:41	WG2374327
Fluorene	ND		0.0440	1	10/04/2024 02:41	WG2374327
Hexachlorobenzene	ND		0.440	1	10/04/2024 02:41	WG2374327
Hexachloro-1,3-butadiene	ND		0.440	1	10/04/2024 02:41	WG2374327
Hexachlorocyclopentadiene	ND		0.440	1	10/04/2024 02:41	WG2374327
Hexachloroethane	ND		0.440	1	10/04/2024 02:41	WG2374327
Indeno(1,2,3-cd)pyrene	ND		0.0440	1	10/04/2024 02:41	WG2374327
Isophorone	ND		0.440	1	10/04/2024 02:41	WG2374327
Naphthalene	ND		0.0440	1	10/04/2024 02:41	WG2374327
Nitrobenzene	ND		0.440	1	10/04/2024 02:41	WG2374327
n-Nitrosodimethylamine	ND		0.440	1	10/04/2024 02:41	WG2374327
n-Nitrosodiphenylamine	ND		0.440	1	10/04/2024 02:41	WG2374327
n-Nitrosodi-n-propylamine	ND		0.440	1	10/04/2024 02:41	WG2374327
Phenanthrene	ND		0.0440	1	10/04/2024 02:41	WG2374327
Benzylbutyl phthalate	ND		0.440	1	10/04/2024 02:41	WG2374327
Bis(2-ethylhexyl)phthalate	ND		0.440	1	10/04/2024 02:41	WG2374327
Di-n-butyl phthalate	ND		0.440	1	10/04/2024 02:41	WG2374327
Diethyl phthalate	ND		0.440	1	10/04/2024 02:41	WG2374327
Dimethyl phthalate	ND		0.440	1	10/04/2024 02:41	WG2374327
Di-n-octyl phthalate	ND		0.440	1	10/04/2024 02:41	WG2374327
Pyrene	0.0567		0.0440	1	10/04/2024 02:41	WG2374327
1,2,4-Trichlorobenzene	ND		0.440	1	10/04/2024 02:41	WG2374327

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Chloro-3-methylphenol	ND		0.440	1	10/04/2024 02:41	WG2374327
2-Chlorophenol	ND		0.440	1	10/04/2024 02:41	WG2374327
2,4-Dichlorophenol	ND		0.440	1	10/04/2024 02:41	WG2374327
2,4-Dimethylphenol	ND		0.440	1	10/04/2024 02:41	WG2374327
4,6-Dinitro-2-methylphenol	ND		0.440	1	10/04/2024 02:41	WG2374327
2,4-Dinitrophenol	ND		0.440	1	10/04/2024 02:41	WG2374327
2-Nitrophenol	ND		0.440	1	10/04/2024 02:41	WG2374327
4-Nitrophenol	ND		0.440	1	10/04/2024 02:41	WG2374327
Pentachlorophenol	ND		0.440	1	10/04/2024 02:41	WG2374327
Phenol	ND		0.440	1	10/04/2024 02:41	WG2374327
2,4,6-Trichlorophenol	ND		0.440	1	10/04/2024 02:41	WG2374327
(S) 2-Fluorophenol	*53.0*		*12.0-120*		*10/04/2024 02:41*	WG2374327
(S) Phenol-d5	*47.4*		*10.0-120*		*10/04/2024 02:41*	WG2374327
(S) Nitrobenzene-d5	*47.0*		*10.0-122*		*10/04/2024 02:41*	WG2374327
(S) 2-Fluorobiphenyl	*42.4*		*15.0-120*		*10/04/2024 02:41*	WG2374327
(S) 2,4,6-Tribromophenol	*39.4*		*10.0-127*		*10/04/2024 02:41*	WG2374327
(S) p-Terphenyl-d14	*44.5*		*10.0-120*		*10/04/2024 02:41*	WG2374327

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.132	1	09/28/2024 18:19	WG2371670
(S) Nitrobenzene-d5	*72.9*		*10.0-120*		*09/28/2024 18:19*	WG2371670

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chromium,Trivalent	30.5		1.43	1	09/30/2024 01:02	WG2371125

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	70.0		1	09/27/2024 07:37	WG2370998

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		14.3	1	10/02/2024 10:50	WG2371177

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND	P1	1.43	1	09/30/2024 01:02	WG2371401

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate as (N)	ND		14.3	1	09/28/2024 10:49	WG2370810
Sulfate	ND	P1	71.4	1	09/28/2024 10:49	WG2370810

Mercury by Method 7471B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	ND		0.0571	1	09/28/2024 18:00	WG2371388

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Antimony	ND	J6	4.28	5	09/28/2024 15:49	WG2371125
Arsenic	3.10		1.43	5	09/28/2024 17:29	WG2371125
Barium	82.3	B	3.57	5	09/28/2024 17:29	WG2371125
Barium	57.7		3.57	5	10/01/2024 12:05	WG2372087
Beryllium	ND		3.57	5	09/28/2024 17:29	WG2371125
Cadmium	ND		1.43	5	09/28/2024 17:29	WG2371125
Chromium	31.0		7.14	5	09/28/2024 17:29	WG2371125
Cobalt	11.4		1.43	5	09/28/2024 17:29	WG2371125
Copper	18.7		7.14	5	09/28/2024 17:29	WG2371125
Lead	30.0		2.86	5	09/28/2024 17:29	WG2371125
Manganese	461		7.14	10	09/29/2024 13:42	WG2371125
Nickel	14.9		3.57	5	09/28/2024 17:29	WG2371125
Selenium	ND		3.57	5	09/28/2024 17:29	WG2371125
Silver	ND		0.714	5	09/28/2024 17:29	WG2371125
Thallium	ND		2.86	5	09/28/2024 17:29	WG2371125
Vanadium	38.3		3.57	5	09/28/2024 17:29	WG2371125
Zinc	46.2		35.7	5	09/28/2024 17:29	WG2371125

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0977	1	09/29/2024 12:08	WG2372071
Acrylonitrile	ND		0.0244	1	09/29/2024 12:08	WG2372071
Benzene	ND		0.00195	1	09/29/2024 12:08	WG2372071
Bromobenzene	ND		0.0244	1	09/29/2024 12:08	WG2372071
Bromodichloromethane	ND		0.00488	1	09/29/2024 12:08	WG2372071
Bromoform	ND		0.0488	1	09/29/2024 12:08	WG2372071
Bromomethane	ND		0.0244	1	09/29/2024 12:08	WG2372071
n-Butylbenzene	ND		0.0244	1	09/29/2024 12:08	WG2372071
sec-Butylbenzene	ND		0.0244	1	09/29/2024 12:08	WG2372071
tert-Butylbenzene	ND		0.00977	1	09/29/2024 12:08	WG2372071
Carbon tetrachloride	ND		0.00977	1	09/29/2024 12:08	WG2372071
Chlorobenzene	ND		0.00488	1	09/29/2024 12:08	WG2372071
Chlorodibromomethane	ND		0.00488	1	09/29/2024 12:08	WG2372071
Chloroethane	ND		0.00977	1	09/29/2024 12:08	WG2372071
Chloroform	ND		0.00488	1	09/29/2024 12:08	WG2372071
Chloromethane	ND		0.0244	1	09/29/2024 12:08	WG2372071
2-Chlorotoluene	ND		0.00488	1	09/29/2024 12:08	WG2372071
4-Chlorotoluene	ND		0.00977	1	09/29/2024 12:08	WG2372071
1,2-Dibromo-3-Chloropropane	ND		0.0488	1	09/29/2024 12:08	WG2372071
1,2-Dibromoethane	ND		0.00488	1	09/29/2024 12:08	WG2372071
Dibromomethane	ND		0.00977	1	09/29/2024 12:08	WG2372071
1,2-Dichlorobenzene	ND		0.00977	1	09/29/2024 12:08	WG2372071
1,3-Dichlorobenzene	ND		0.00977	1	09/29/2024 12:08	WG2372071
1,4-Dichlorobenzene	ND		0.00977	1	09/29/2024 12:08	WG2372071
Dichlorodifluoromethane	ND		0.00977	1	09/29/2024 12:08	WG2372071
1,1-Dichloroethane	ND		0.00488	1	09/29/2024 12:08	WG2372071
1,2-Dichloroethane	ND		0.00488	1	09/29/2024 12:08	WG2372071
1,1-Dichloroethene	ND		0.00488	1	09/29/2024 12:08	WG2372071
cis-1,2-Dichloroethene	ND		0.00488	1	09/29/2024 12:08	WG2372071
trans-1,2-Dichloroethene	ND		0.00977	1	09/29/2024 12:08	WG2372071
1,2-Dichloropropane	ND		0.00977	1	09/29/2024 12:08	WG2372071
1,1-Dichloropropene	ND		0.00488	1	09/29/2024 12:08	WG2372071
1,3-Dichloropropane	ND		0.00977	1	09/29/2024 12:08	WG2372071
cis-1,3-Dichloropropene	ND		0.00488	1	09/29/2024 12:08	WG2372071
trans-1,3-Dichloropropene	ND		0.00977	1	09/29/2024 12:08	WG2372071
2,2-Dichloropropane	ND		0.00488	1	09/29/2024 12:08	WG2372071
Di-isopropyl ether	ND		0.00195	1	09/29/2024 12:08	WG2372071
Ethylbenzene	ND		0.00488	1	09/29/2024 12:08	WG2372071
Hexachloro-1,3-butadiene	ND		0.0488	1	09/29/2024 12:08	WG2372071
Isopropylbenzene	ND		0.00488	1	09/29/2024 12:08	WG2372071
p-Isopropyltoluene	ND		0.00977	1	09/29/2024 12:08	WG2372071
2-Butanone (MEK)	ND		0.195	1	09/29/2024 12:08	WG2372071
Methylene Chloride	ND		0.0488	1	09/29/2024 12:08	WG2372071
4-Methyl-2-pentanone (MIBK)	ND		0.0488	1	09/29/2024 12:08	WG2372071
Methyl tert-butyl ether	ND		0.00195	1	09/29/2024 12:08	WG2372071
Naphthalene	ND		0.0244	1	09/29/2024 12:08	WG2372071
n-Propylbenzene	ND		0.00977	1	09/29/2024 12:08	WG2372071
Styrene	ND		0.0244	1	09/29/2024 12:08	WG2372071
1,1,1,2-Tetrachloroethane	ND		0.00488	1	09/29/2024 12:08	WG2372071
1,1,2,2-Tetrachloroethane	ND		0.00488	1	09/29/2024 12:08	WG2372071
Tetrachloroethene	ND		0.00488	1	09/29/2024 12:08	WG2372071
Toluene	ND		0.00977	1	09/29/2024 12:08	WG2372071
1,2,3-Trichlorobenzene	ND		0.0244	1	09/29/2024 12:08	WG2372071
1,2,4-Trichlorobenzene	ND		0.0244	1	09/29/2024 12:08	WG2372071
1,1,1-Trichloroethane	ND		0.00488	1	09/29/2024 12:08	WG2372071
1,1,2-Trichloroethane	ND		0.00488	1	09/29/2024 12:08	WG2372071

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Trichloroethene	ND	J4	0.00195	1	09/29/2024 12:08	WG2372071
Trichlorofluoromethane	ND		0.00488	1	09/29/2024 12:08	WG2372071
1,2,3-Trichloropropane	ND		0.0244	1	09/29/2024 12:08	WG2372071
1,2,4-Trimethylbenzene	ND		0.00977	1	09/29/2024 12:08	WG2372071
1,3,5-Trimethylbenzene	ND		0.00977	1	09/29/2024 12:08	WG2372071
Vinyl chloride	ND		0.00488	1	09/29/2024 12:08	WG2372071
Xylenes, Total	ND		0.0127	1	09/29/2024 12:08	WG2372071
(S) Toluene-d8	*99.4*		*75.0-131*		*09/29/2024 12:08*	WG2372071
(S) 4-Bromofluorobenzene	*96.4*		*67.0-138*		*09/29/2024 12:08*	WG2372071
(S) 1,2-Dichloroethane-d4	*79.8*		*70.0-130*		*09/29/2024 12:08*	WG2372071

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0475	1	10/04/2024 03:23	WG2374327
Acenaphthylene	ND		0.0475	1	10/04/2024 03:23	WG2374327
Anthracene	ND		0.0475	1	10/04/2024 03:23	WG2374327
Benzidine	ND		2.38	1	10/04/2024 03:23	WG2374327
Benzo(a)anthracene	ND		0.0475	1	10/04/2024 03:23	WG2374327
Benzo(b)fluoranthene	ND		0.0475	1	10/04/2024 03:23	WG2374327
Benzo(k)fluoranthene	ND		0.0475	1	10/04/2024 03:23	WG2374327
Benzo(g,h,i)perylene	ND		0.0475	1	10/04/2024 03:23	WG2374327
Benzo(a)pyrene	ND		0.0475	1	10/04/2024 03:23	WG2374327
Bis(2-chlorethoxy)methane	ND		0.475	1	10/04/2024 03:23	WG2374327
Bis(2-chloroethyl)ether	ND		0.475	1	10/04/2024 03:23	WG2374327
2,2-Oxybis(1-Chloropropane)	ND		0.475	1	10/04/2024 03:23	WG2374327
4-Bromophenyl-phenylether	ND		0.475	1	10/04/2024 03:23	WG2374327
2-Chloronaphthalene	ND		0.0475	1	10/04/2024 03:23	WG2374327
4-Chlorophenyl-phenylether	ND		0.475	1	10/04/2024 03:23	WG2374327
Chrysene	ND		0.0475	1	10/04/2024 03:23	WG2374327
Dibenz(a,h)anthracene	ND		0.0475	1	10/04/2024 03:23	WG2374327
3,3-Dichlorobenzidine	ND		0.475	1	10/04/2024 03:23	WG2374327
2,4-Dinitrotoluene	ND		0.475	1	10/04/2024 03:23	WG2374327
2,6-Dinitrotoluene	ND		0.475	1	10/04/2024 03:23	WG2374327
Fluoranthene	ND		0.0475	1	10/04/2024 03:23	WG2374327
Fluorene	ND		0.0475	1	10/04/2024 03:23	WG2374327
Hexachlorobenzene	ND		0.475	1	10/04/2024 03:23	WG2374327
Hexachloro-1,3-butadiene	ND		0.475	1	10/04/2024 03:23	WG2374327
Hexachlorocyclopentadiene	ND		0.475	1	10/04/2024 03:23	WG2374327
Hexachloroethane	ND		0.475	1	10/04/2024 03:23	WG2374327
Indeno(1,2,3-cd)pyrene	ND		0.0475	1	10/04/2024 03:23	WG2374327
Isophorone	ND		0.475	1	10/04/2024 03:23	WG2374327
Naphthalene	ND		0.0475	1	10/04/2024 03:23	WG2374327
Nitrobenzene	ND		0.475	1	10/04/2024 03:23	WG2374327
n-Nitrosodimethylamine	ND		0.475	1	10/04/2024 03:23	WG2374327
n-Nitrosodiphenylamine	ND		0.475	1	10/04/2024 03:23	WG2374327
n-Nitrosodi-n-propylamine	ND		0.475	1	10/04/2024 03:23	WG2374327
Phenanthrene	ND		0.0475	1	10/04/2024 03:23	WG2374327
Benzylbutyl phthalate	ND		0.475	1	10/04/2024 03:23	WG2374327
Bis(2-ethylhexyl)phthalate	ND		0.475	1	10/04/2024 03:23	WG2374327
Di-n-butyl phthalate	ND		0.475	1	10/04/2024 03:23	WG2374327
Diethyl phthalate	ND		0.475	1	10/04/2024 03:23	WG2374327
Dimethyl phthalate	ND		0.475	1	10/04/2024 03:23	WG2374327
Di-n-octyl phthalate	ND		0.475	1	10/04/2024 03:23	WG2374327
Pyrene	ND		0.0475	1	10/04/2024 03:23	WG2374327
1,2,4-Trichlorobenzene	ND		0.475	1	10/04/2024 03:23	WG2374327

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Chloro-3-methylphenol	ND		0.475	1	10/04/2024 03:23	WG2374327
2-Chlorophenol	ND		0.475	1	10/04/2024 03:23	WG2374327
2,4-Dichlorophenol	ND		0.475	1	10/04/2024 03:23	WG2374327
2,4-Dimethylphenol	ND		0.475	1	10/04/2024 03:23	WG2374327
4,6-Dinitro-2-methylphenol	ND		0.475	1	10/04/2024 03:23	WG2374327
2,4-Dinitrophenol	ND		0.475	1	10/04/2024 03:23	WG2374327
2-Nitrophenol	ND		0.475	1	10/04/2024 03:23	WG2374327
4-Nitrophenol	ND		0.475	1	10/04/2024 03:23	WG2374327
Pentachlorophenol	ND		0.475	1	10/04/2024 03:23	WG2374327
Phenol	ND		0.475	1	10/04/2024 03:23	WG2374327
2,4,6-Trichlorophenol	ND		0.475	1	10/04/2024 03:23	WG2374327
(S) 2-Fluorophenol	*56.0*		*12.0-120*		*10/04/2024 03:23*	WG2374327
(S) Phenol-d5	*51.3*		*10.0-120*		*10/04/2024 03:23*	WG2374327
(S) Nitrobenzene-d5	*51.4*		*10.0-122*		*10/04/2024 03:23*	WG2374327
(S) 2-Fluorobiphenyl	*46.4*		*15.0-120*		*10/04/2024 03:23*	WG2374327
(S) 2,4,6-Tribromophenol	*44.7*		*10.0-127*		*10/04/2024 03:23*	WG2374327
(S) p-Terphenyl-d14	*50.8*		*10.0-120*		*10/04/2024 03:23*	WG2374327

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.143	1	09/28/2024 18:39	WG2371670
(S) Nitrobenzene-d5	*65.4*		*10.0-120*		*09/28/2024 18:39*	WG2371670

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chromium,Trivalent	17.9		1.36	1	09/30/2024 01:16	WG2371125

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	73.6		1	09/27/2024 07:37	WG2370998

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	35.3		13.6	1	10/02/2024 10:52	WG2371177

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.36	1	09/30/2024 01:16	WG2371401

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate as (N)	ND		13.6	1	09/28/2024 11:25	WG2370810
Sulfate	ND		67.9	1	09/28/2024 11:25	WG2370810

Mercury by Method 7471B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	0.0940		0.0543	1	09/27/2024 19:27	WG2371208

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Antimony	ND		4.07	5	09/28/2024 17:51	WG2371125
Arsenic	2.41		1.36	5	09/28/2024 17:51	WG2371125
Barium	131		3.40	5	09/28/2024 17:51	WG2371125
Beryllium	ND		3.40	5	09/28/2024 17:51	WG2371125
Cadmium	ND		1.36	5	09/28/2024 17:51	WG2371125
Chromium	17.9		6.79	5	09/28/2024 17:51	WG2371125
Cobalt	9.53		1.36	5	09/28/2024 17:51	WG2371125
Copper	37.1		6.79	5	09/28/2024 17:51	WG2371125
Lead	90.3		2.72	5	09/28/2024 17:51	WG2371125
Manganese	256		6.79	10	09/29/2024 11:27	WG2371125
Nickel	9.25		3.40	5	09/28/2024 17:51	WG2371125
Selenium	ND		3.40	5	09/28/2024 17:51	WG2371125
Silver	ND		0.679	5	09/28/2024 17:51	WG2371125
Thallium	ND		2.72	5	09/28/2024 17:51	WG2371125
Vanadium	29.0		3.40	5	09/28/2024 17:51	WG2371125
Zinc	120		34.0	5	09/28/2024 17:51	WG2371125

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0893	1	09/29/2024 12:27	WG2372071
Acrylonitrile	ND		0.0223	1	09/29/2024 12:27	WG2372071
Benzene	ND		0.00179	1	09/29/2024 12:27	WG2372071
Bromobenzene	ND		0.0223	1	09/29/2024 12:27	WG2372071
Bromodichloromethane	ND		0.00447	1	09/29/2024 12:27	WG2372071
Bromoform	ND		0.0447	1	09/29/2024 12:27	WG2372071
Bromomethane	ND		0.0223	1	09/29/2024 12:27	WG2372071
n-Butylbenzene	ND		0.0223	1	09/29/2024 12:27	WG2372071
sec-Butylbenzene	ND		0.0223	1	09/29/2024 12:27	WG2372071
tert-Butylbenzene	ND		0.00893	1	09/29/2024 12:27	WG2372071
Carbon tetrachloride	ND		0.00893	1	09/29/2024 12:27	WG2372071
Chlorobenzene	ND		0.00447	1	09/29/2024 12:27	WG2372071
Chlorodibromomethane	ND		0.00447	1	09/29/2024 12:27	WG2372071
Chloroethane	ND		0.00893	1	09/29/2024 12:27	WG2372071
Chloroform	ND		0.00447	1	09/29/2024 12:27	WG2372071
Chloromethane	ND		0.0223	1	09/29/2024 12:27	WG2372071
2-Chlorotoluene	ND		0.00447	1	09/29/2024 12:27	WG2372071
4-Chlorotoluene	ND		0.00893	1	09/29/2024 12:27	WG2372071
1,2-Dibromo-3-Chloropropane	ND		0.0447	1	09/29/2024 12:27	WG2372071
1,2-Dibromoethane	ND		0.00447	1	09/29/2024 12:27	WG2372071
Dibromomethane	ND		0.00893	1	09/29/2024 12:27	WG2372071
1,2-Dichlorobenzene	ND		0.00893	1	09/29/2024 12:27	WG2372071
1,3-Dichlorobenzene	ND		0.00893	1	09/29/2024 12:27	WG2372071
1,4-Dichlorobenzene	ND		0.00893	1	09/29/2024 12:27	WG2372071
Dichlorodifluoromethane	ND		0.00893	1	09/29/2024 12:27	WG2372071
1,1-Dichloroethane	ND		0.00447	1	09/29/2024 12:27	WG2372071
1,2-Dichloroethane	ND		0.00447	1	09/29/2024 12:27	WG2372071
1,1-Dichloroethene	ND		0.00447	1	09/29/2024 12:27	WG2372071
cis-1,2-Dichloroethene	ND		0.00447	1	09/29/2024 12:27	WG2372071
trans-1,2-Dichloroethene	ND		0.00893	1	09/29/2024 12:27	WG2372071
1,2-Dichloropropane	ND		0.00893	1	09/29/2024 12:27	WG2372071
1,1-Dichloropropene	ND		0.00447	1	09/29/2024 12:27	WG2372071
1,3-Dichloropropane	ND		0.00893	1	09/29/2024 12:27	WG2372071
cis-1,3-Dichloropropene	ND		0.00447	1	09/29/2024 12:27	WG2372071
trans-1,3-Dichloropropene	ND		0.00893	1	09/29/2024 12:27	WG2372071
2,2-Dichloropropane	ND		0.00447	1	09/29/2024 12:27	WG2372071
Di-isopropyl ether	ND		0.00179	1	09/29/2024 12:27	WG2372071
Ethylbenzene	ND		0.00447	1	09/29/2024 12:27	WG2372071
Hexachloro-1,3-butadiene	ND		0.0447	1	09/29/2024 12:27	WG2372071
Isopropylbenzene	ND		0.00447	1	09/29/2024 12:27	WG2372071
p-Isopropyltoluene	ND		0.00893	1	09/29/2024 12:27	WG2372071
2-Butanone (MEK)	ND		0.179	1	09/29/2024 12:27	WG2372071
Methylene Chloride	ND		0.0447	1	09/29/2024 12:27	WG2372071
4-Methyl-2-pentanone (MIBK)	ND		0.0447	1	09/29/2024 12:27	WG2372071
Methyl tert-butyl ether	ND		0.00179	1	09/29/2024 12:27	WG2372071
Naphthalene	ND		0.0223	1	09/29/2024 12:27	WG2372071
n-Propylbenzene	ND		0.00893	1	09/29/2024 12:27	WG2372071
Styrene	ND		0.0223	1	09/29/2024 12:27	WG2372071
1,1,1,2-Tetrachloroethane	ND		0.00447	1	09/29/2024 12:27	WG2372071
1,1,2,2-Tetrachloroethane	ND		0.00447	1	09/29/2024 12:27	WG2372071
Tetrachloroethene	ND		0.00447	1	09/29/2024 12:27	WG2372071
Toluene	ND		0.00893	1	09/29/2024 12:27	WG2372071
1,2,3-Trichlorobenzene	ND		0.0223	1	09/29/2024 12:27	WG2372071
1,2,4-Trichlorobenzene	ND		0.0223	1	09/29/2024 12:27	WG2372071
1,1,1-Trichloroethane	ND		0.00447	1	09/29/2024 12:27	WG2372071
1,1,2-Trichloroethane	ND		0.00447	1	09/29/2024 12:27	WG2372071

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Trichloroethene	ND	J4	0.00179	1	09/29/2024 12:27	WG2372071
Trichlorofluoromethane	ND		0.00447	1	09/29/2024 12:27	WG2372071
1,2,3-Trichloropropane	ND		0.0223	1	09/29/2024 12:27	WG2372071
1,2,4-Trimethylbenzene	ND		0.00893	1	09/29/2024 12:27	WG2372071
1,3,5-Trimethylbenzene	ND		0.00893	1	09/29/2024 12:27	WG2372071
Vinyl chloride	ND		0.00447	1	09/29/2024 12:27	WG2372071
Xylenes, Total	ND		0.0116	1	09/29/2024 12:27	WG2372071
(S) Toluene-d8	*98.3*		*75.0-131*		*09/29/2024 12:27*	WG2372071
(S) 4-Bromofluorobenzene	*100*		*67.0-138*		*09/29/2024 12:27*	WG2372071
(S) 1,2-Dichloroethane-d4	*80.1*		*70.0-130*		*09/29/2024 12:27*	WG2372071

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0452	1	10/04/2024 03:44	WG2374327
Acenaphthylene	ND		0.0452	1	10/04/2024 03:44	WG2374327
Anthracene	ND		0.0452	1	10/04/2024 03:44	WG2374327
Benzidine	ND		2.27	1	10/04/2024 03:44	WG2374327
Benzo(a)anthracene	0.0465		0.0452	1	10/04/2024 03:44	WG2374327
Benzo(b)fluoranthene	0.0682		0.0452	1	10/04/2024 03:44	WG2374327
Benzo(k)fluoranthene	ND		0.0452	1	10/04/2024 03:44	WG2374327
Benzo(g,h,i)perylene	ND		0.0452	1	10/04/2024 03:44	WG2374327
Benzo(a)pyrene	0.0516		0.0452	1	10/04/2024 03:44	WG2374327
Bis(2-chlorethoxy)methane	ND		0.452	1	10/04/2024 03:44	WG2374327
Bis(2-chloroethyl)ether	ND		0.452	1	10/04/2024 03:44	WG2374327
2,2-Oxybis(1-Chloropropane)	ND		0.452	1	10/04/2024 03:44	WG2374327
4-Bromophenyl-phenylether	ND		0.452	1	10/04/2024 03:44	WG2374327
2-Chloronaphthalene	ND		0.0452	1	10/04/2024 03:44	WG2374327
4-Chlorophenyl-phenylether	ND		0.452	1	10/04/2024 03:44	WG2374327
Chrysene	0.0501		0.0452	1	10/04/2024 03:44	WG2374327
Dibenz(a,h)anthracene	ND		0.0452	1	10/04/2024 03:44	WG2374327
3,3-Dichlorobenzidine	ND		0.452	1	10/04/2024 03:44	WG2374327
2,4-Dinitrotoluene	ND		0.452	1	10/04/2024 03:44	WG2374327
2,6-Dinitrotoluene	ND		0.452	1	10/04/2024 03:44	WG2374327
Fluoranthene	0.115		0.0452	1	10/04/2024 03:44	WG2374327
Fluorene	ND		0.0452	1	10/04/2024 03:44	WG2374327
Hexachlorobenzene	ND		0.452	1	10/04/2024 03:44	WG2374327
Hexachloro-1,3-butadiene	ND		0.452	1	10/04/2024 03:44	WG2374327
Hexachlorocyclopentadiene	ND		0.452	1	10/04/2024 03:44	WG2374327
Hexachloroethane	ND		0.452	1	10/04/2024 03:44	WG2374327
Indeno(1,2,3-cd)pyrene	ND		0.0452	1	10/04/2024 03:44	WG2374327
Isophorone	ND		0.452	1	10/04/2024 03:44	WG2374327
Naphthalene	ND		0.0452	1	10/04/2024 03:44	WG2374327
Nitrobenzene	ND		0.452	1	10/04/2024 03:44	WG2374327
n-Nitrosodimethylamine	ND		0.452	1	10/04/2024 03:44	WG2374327
n-Nitrosodiphenylamine	ND		0.452	1	10/04/2024 03:44	WG2374327
n-Nitrosodi-n-propylamine	ND		0.452	1	10/04/2024 03:44	WG2374327
Phenanthrene	0.0603		0.0452	1	10/04/2024 03:44	WG2374327
Benzylbutyl phthalate	ND		0.452	1	10/04/2024 03:44	WG2374327
Bis(2-ethylhexyl)phthalate	ND		0.452	1	10/04/2024 03:44	WG2374327
Di-n-butyl phthalate	ND		0.452	1	10/04/2024 03:44	WG2374327
Diethyl phthalate	ND		0.452	1	10/04/2024 03:44	WG2374327
Dimethyl phthalate	ND		0.452	1	10/04/2024 03:44	WG2374327
Di-n-octyl phthalate	ND		0.452	1	10/04/2024 03:44	WG2374327
Pyrene	0.103		0.0452	1	10/04/2024 03:44	WG2374327
1,2,4-Trichlorobenzene	ND		0.452	1	10/04/2024 03:44	WG2374327

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Chloro-3-methylphenol	ND		0.452	1	10/04/2024 03:44	WG2374327
2-Chlorophenol	ND		0.452	1	10/04/2024 03:44	WG2374327
2,4-Dichlorophenol	ND		0.452	1	10/04/2024 03:44	WG2374327
2,4-Dimethylphenol	ND		0.452	1	10/04/2024 03:44	WG2374327
4,6-Dinitro-2-methylphenol	ND		0.452	1	10/04/2024 03:44	WG2374327
2,4-Dinitrophenol	ND		0.452	1	10/04/2024 03:44	WG2374327
2-Nitrophenol	ND		0.452	1	10/04/2024 03:44	WG2374327
4-Nitrophenol	ND		0.452	1	10/04/2024 03:44	WG2374327
Pentachlorophenol	ND		0.452	1	10/04/2024 03:44	WG2374327
Phenol	ND		0.452	1	10/04/2024 03:44	WG2374327
2,4,6-Trichlorophenol	ND		0.452	1	10/04/2024 03:44	WG2374327
(S) 2-Fluorophenol	*62.1*		*12.0-120*		*10/04/2024 03:44*	WG2374327
(S) Phenol-d5	*55.3*		*10.0-120*		*10/04/2024 03:44*	WG2374327
(S) Nitrobenzene-d5	*53.8*		*10.0-122*		*10/04/2024 03:44*	WG2374327
(S) 2-Fluorobiphenyl	*49.4*		*15.0-120*		*10/04/2024 03:44*	WG2374327
(S) 2,4,6-Tribromophenol	*49.1*		*10.0-127*		*10/04/2024 03:44*	WG2374327
(S) p-Terphenyl-d14	*55.3*		*10.0-120*		*10/04/2024 03:44*	WG2374327

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.136	1	09/28/2024 22:28	WG2371670
(S) Nitrobenzene-d5	*74.5*		*10.0-120*		*09/28/2024 22:28*	WG2371670

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chromium,Trivalent	13.2		1.34	1	09/30/2024 01:22	WG2371125

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	74.6		1	09/27/2024 07:37	WG2370998

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		13.4	1	10/02/2024 10:53	WG2371177

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.34	1	09/30/2024 01:22	WG2371401

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate as (N)	ND		13.4	1	09/28/2024 11:43	WG2370810
Sulfate	ND		67.0	1	09/28/2024 11:43	WG2370810

Mercury by Method 7471B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	0.510		0.0536	1	09/27/2024 19:29	WG2371208

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Antimony	6.49		4.02	5	09/28/2024 16:22	WG2371125
Arsenic	7.34		1.34	5	09/28/2024 14:15	WG2371125
Barium	457		3.35	5	09/28/2024 14:15	WG2371125
Beryllium	ND		3.35	5	09/28/2024 14:15	WG2371125
Cadmium	2.95		1.34	5	09/28/2024 14:15	WG2371125
Chromium	13.2		6.70	5	09/28/2024 14:15	WG2371125
Cobalt	5.80		1.34	5	09/28/2024 14:15	WG2371125
Copper	489	E	6.70	5	09/28/2024 14:15	WG2371125
Lead	2050		2.68	5	09/28/2024 14:15	WG2371125
Manganese	628		3.35	5	09/28/2024 14:15	WG2371125
Manganese	675		13.4	20	09/29/2024 11:30	WG2371125
Nickel	24.6		3.35	5	09/28/2024 14:15	WG2371125
Selenium	ND		3.35	5	09/28/2024 14:15	WG2371125
Silver	1.31		0.670	5	09/28/2024 14:15	WG2371125
Thallium	ND		2.68	5	09/28/2024 14:15	WG2371125
Vanadium	12.1		3.35	5	09/28/2024 14:15	WG2371125
Zinc	1680		33.5	5	09/28/2024 14:15	WG2371125

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0855	1.02	09/29/2024 12:46	WG2372071
Acrylonitrile	ND		0.0215	1.02	09/29/2024 12:46	WG2372071
Benzene	0.00235		0.00171	1.02	09/29/2024 12:46	WG2372071
Bromobenzene	ND		0.0215	1.02	09/29/2024 12:46	WG2372071
Bromodichloromethane	ND		0.00427	1.02	09/29/2024 12:46	WG2372071
Bromoform	ND		0.0427	1.02	09/29/2024 12:46	WG2372071
Bromomethane	ND		0.0215	1.02	09/29/2024 12:46	WG2372071
n-Butylbenzene	ND		0.0215	1.02	09/29/2024 12:46	WG2372071
sec-Butylbenzene	ND		0.0215	1.02	09/29/2024 12:46	WG2372071
tert-Butylbenzene	ND		0.00855	1.02	09/29/2024 12:46	WG2372071
Carbon tetrachloride	ND		0.00855	1.02	09/29/2024 12:46	WG2372071
Chlorobenzene	ND		0.00427	1.02	09/29/2024 12:46	WG2372071
Chlorodibromomethane	ND		0.00427	1.02	09/29/2024 12:46	WG2372071
Chloroethane	ND		0.00855	1.02	09/29/2024 12:46	WG2372071
Chloroform	ND		0.00427	1.02	09/29/2024 12:46	WG2372071
Chloromethane	ND		0.0215	1.02	09/29/2024 12:46	WG2372071
2-Chlorotoluene	ND		0.00427	1.02	09/29/2024 12:46	WG2372071
4-Chlorotoluene	ND		0.00855	1.02	09/29/2024 12:46	WG2372071
1,2-Dibromo-3-Chloropropane	ND		0.0427	1.02	09/29/2024 12:46	WG2372071
1,2-Dibromoethane	ND		0.00427	1.02	09/29/2024 12:46	WG2372071
Dibromomethane	ND		0.00855	1.02	09/29/2024 12:46	WG2372071
1,2-Dichlorobenzene	ND		0.00855	1.02	09/29/2024 12:46	WG2372071
1,3-Dichlorobenzene	ND		0.00855	1.02	09/29/2024 12:46	WG2372071
1,4-Dichlorobenzene	ND		0.00855	1.02	09/29/2024 12:46	WG2372071
Dichlorodifluoromethane	ND		0.00855	1.02	09/29/2024 12:46	WG2372071
1,1-Dichloroethane	ND		0.00427	1.02	09/29/2024 12:46	WG2372071
1,2-Dichloroethane	ND		0.00427	1.02	09/29/2024 12:46	WG2372071
1,1-Dichloroethene	ND		0.00427	1.02	09/29/2024 12:46	WG2372071
cis-1,2-Dichloroethene	ND		0.00427	1.02	09/29/2024 12:46	WG2372071
trans-1,2-Dichloroethene	ND		0.00855	1.02	09/29/2024 12:46	WG2372071
1,2-Dichloropropane	ND		0.00855	1.02	09/29/2024 12:46	WG2372071
1,1-Dichloropropene	ND		0.00427	1.02	09/29/2024 12:46	WG2372071
1,3-Dichloropropane	ND		0.00855	1.02	09/29/2024 12:46	WG2372071
cis-1,3-Dichloropropene	ND		0.00427	1.02	09/29/2024 12:46	WG2372071
trans-1,3-Dichloropropene	ND		0.00855	1.02	09/29/2024 12:46	WG2372071
2,2-Dichloropropane	ND		0.00427	1.02	09/29/2024 12:46	WG2372071
Di-isopropyl ether	ND		0.00171	1.02	09/29/2024 12:46	WG2372071
Ethylbenzene	ND		0.00427	1.02	09/29/2024 12:46	WG2372071
Hexachloro-1,3-butadiene	ND		0.0427	1.02	09/29/2024 12:46	WG2372071
Isopropylbenzene	ND		0.00427	1.02	09/29/2024 12:46	WG2372071
p-Isopropyltoluene	ND		0.00855	1.02	09/29/2024 12:46	WG2372071
2-Butanone (MEK)	ND		0.171	1.02	09/29/2024 12:46	WG2372071
Methylene Chloride	ND		0.0427	1.02	09/29/2024 12:46	WG2372071
4-Methyl-2-pentanone (MIBK)	ND		0.0427	1.02	09/29/2024 12:46	WG2372071
Methyl tert-butyl ether	ND		0.00171	1.02	09/29/2024 12:46	WG2372071
Naphthalene	ND		0.0215	1.02	09/29/2024 12:46	WG2372071
n-Propylbenzene	ND		0.00855	1.02	09/29/2024 12:46	WG2372071
Styrene	ND		0.0215	1.02	09/29/2024 12:46	WG2372071
1,1,1,2-Tetrachloroethane	ND		0.00427	1.02	09/29/2024 12:46	WG2372071
1,1,2,2-Tetrachloroethane	ND		0.00427	1.02	09/29/2024 12:46	WG2372071
Tetrachloroethene	ND		0.00427	1.02	09/29/2024 12:46	WG2372071
Toluene	ND		0.00855	1.02	09/29/2024 12:46	WG2372071
1,2,3-Trichlorobenzene	ND		0.0215	1.02	09/29/2024 12:46	WG2372071
1,2,4-Trichlorobenzene	ND		0.0215	1.02	09/29/2024 12:46	WG2372071
1,1,1-Trichloroethane	ND		0.00427	1.02	09/29/2024 12:46	WG2372071
1,1,2-Trichloroethane	ND		0.00427	1.02	09/29/2024 12:46	WG2372071

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Trichloroethene	ND	J4	0.00171	1.02	09/29/2024 12:46	WG2372071
Trichlorofluoromethane	ND		0.00427	1.02	09/29/2024 12:46	WG2372071
1,2,3-Trichloropropane	ND		0.0215	1.02	09/29/2024 12:46	WG2372071
1,2,4-Trimethylbenzene	ND		0.00855	1.02	09/29/2024 12:46	WG2372071
1,3,5-Trimethylbenzene	ND		0.00855	1.02	09/29/2024 12:46	WG2372071
Vinyl chloride	ND		0.00427	1.02	09/29/2024 12:46	WG2372071
Xylenes, Total	ND		0.0111	1.02	09/29/2024 12:46	WG2372071
(S) Toluene-d8	*98.6*		*75.0-131*		*09/29/2024 12:46*	WG2372071
(S) 4-Bromofluorobenzene	*97.7*		*67.0-138*		*09/29/2024 12:46*	WG2372071
(S) 1,2-Dichloroethane-d4	*79.6*		*70.0-130*		*09/29/2024 12:46*	WG2372071

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0447	1	10/04/2024 04:05	WG2374327
Acenaphthylene	ND		0.0447	1	10/04/2024 04:05	WG2374327
Anthracene	ND		0.0447	1	10/04/2024 04:05	WG2374327
Benzidine	ND		2.24	1	10/04/2024 04:05	WG2374327
Benzo(a)anthracene	ND		0.0447	1	10/04/2024 04:05	WG2374327
Benzo(b)fluoranthene	ND		0.0447	1	10/04/2024 04:05	WG2374327
Benzo(k)fluoranthene	ND		0.0447	1	10/04/2024 04:05	WG2374327
Benzo(g,h,i)perylene	ND		0.0447	1	10/04/2024 04:05	WG2374327
Benzo(a)pyrene	ND		0.0447	1	10/04/2024 04:05	WG2374327
Bis(2-chlorethoxy)methane	ND		0.447	1	10/04/2024 04:05	WG2374327
Bis(2-chloroethyl)ether	ND		0.447	1	10/04/2024 04:05	WG2374327
2,2-Oxybis(1-Chloropropane)	ND		0.447	1	10/04/2024 04:05	WG2374327
4-Bromophenyl-phenylether	ND		0.447	1	10/04/2024 04:05	WG2374327
2-Chloronaphthalene	ND		0.0447	1	10/04/2024 04:05	WG2374327
4-Chlorophenyl-phenylether	ND		0.447	1	10/04/2024 04:05	WG2374327
Chrysene	ND		0.0447	1	10/04/2024 04:05	WG2374327
Dibenz(a,h)anthracene	ND		0.0447	1	10/04/2024 04:05	WG2374327
3,3-Dichlorobenzidine	ND		0.447	1	10/04/2024 04:05	WG2374327
2,4-Dinitrotoluene	ND		0.447	1	10/04/2024 04:05	WG2374327
2,6-Dinitrotoluene	ND		0.447	1	10/04/2024 04:05	WG2374327
Fluoranthene	ND		0.0447	1	10/04/2024 04:05	WG2374327
Fluorene	ND		0.0447	1	10/04/2024 04:05	WG2374327
Hexachlorobenzene	ND		0.447	1	10/04/2024 04:05	WG2374327
Hexachloro-1,3-butadiene	ND		0.447	1	10/04/2024 04:05	WG2374327
Hexachlorocyclopentadiene	ND		0.447	1	10/04/2024 04:05	WG2374327
Hexachloroethane	ND		0.447	1	10/04/2024 04:05	WG2374327
Indeno(1,2,3-cd)pyrene	ND		0.0447	1	10/04/2024 04:05	WG2374327
Isophorone	ND		0.447	1	10/04/2024 04:05	WG2374327
Naphthalene	ND		0.0447	1	10/04/2024 04:05	WG2374327
Nitrobenzene	ND		0.447	1	10/04/2024 04:05	WG2374327
n-Nitrosodimethylamine	ND		0.447	1	10/04/2024 04:05	WG2374327
n-Nitrosodiphenylamine	ND		0.447	1	10/04/2024 04:05	WG2374327
n-Nitrosodi-n-propylamine	ND		0.447	1	10/04/2024 04:05	WG2374327
Phenanthrene	ND		0.0447	1	10/04/2024 04:05	WG2374327
Benzylbutyl phthalate	ND		0.447	1	10/04/2024 04:05	WG2374327
Bis(2-ethylhexyl)phthalate	ND		0.447	1	10/04/2024 04:05	WG2374327
Di-n-butyl phthalate	ND		0.447	1	10/04/2024 04:05	WG2374327
Diethyl phthalate	ND		0.447	1	10/04/2024 04:05	WG2374327
Dimethyl phthalate	ND		0.447	1	10/04/2024 04:05	WG2374327
Di-n-octyl phthalate	ND		0.447	1	10/04/2024 04:05	WG2374327
Pyrene	ND		0.0447	1	10/04/2024 04:05	WG2374327
1,2,4-Trichlorobenzene	ND		0.447	1	10/04/2024 04:05	WG2374327

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Chloro-3-methylphenol	ND		0.447	1	10/04/2024 04:05	WG2374327
2-Chlorophenol	ND		0.447	1	10/04/2024 04:05	WG2374327
2,4-Dichlorophenol	ND		0.447	1	10/04/2024 04:05	WG2374327
2,4-Dimethylphenol	ND		0.447	1	10/04/2024 04:05	WG2374327
4,6-Dinitro-2-methylphenol	ND		0.447	1	10/04/2024 04:05	WG2374327
2,4-Dinitrophenol	ND		0.447	1	10/04/2024 04:05	WG2374327
2-Nitrophenol	ND		0.447	1	10/04/2024 04:05	WG2374327
4-Nitrophenol	ND		0.447	1	10/04/2024 04:05	WG2374327
Pentachlorophenol	ND		0.447	1	10/04/2024 04:05	WG2374327
Phenol	ND		0.447	1	10/04/2024 04:05	WG2374327
2,4,6-Trichlorophenol	ND		0.447	1	10/04/2024 04:05	WG2374327
(S) 2-Fluorophenol	*55.4*		*12.0-120*		*10/04/2024 04:05*	WG2374327
(S) Phenol-d5	*51.2*		*10.0-120*		*10/04/2024 04:05*	WG2374327
(S) Nitrobenzene-d5	*48.8*		*10.0-122*		*10/04/2024 04:05*	WG2374327
(S) 2-Fluorobiphenyl	*45.7*		*15.0-120*		*10/04/2024 04:05*	WG2374327
(S) 2,4,6-Tribromophenol	*45.3*		*10.0-127*		*10/04/2024 04:05*	WG2374327
(S) p-Terphenyl-d14	*51.9*		*10.0-120*		*10/04/2024 04:05*	WG2374327

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.134	1	09/28/2024 22:47	WG2371670
(S) Nitrobenzene-d5	*72.1*		*10.0-120*		*09/28/2024 22:47*	WG2371670

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chromium,Trivalent	38.2		1.55	1	10/07/2024 21:12	WG2371056

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	64.4		1	09/27/2024 09:25	WG2371002

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	34.2		15.5	1	10/02/2024 10:57	WG2371177

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.55	1	09/30/2024 01:29	WG2371401

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate as (N)	ND		15.7	1.01	09/28/2024 12:01	WG2370810
Sulfate	ND		78.4	1.01	09/28/2024 12:01	WG2370810

Mercury by Method 7471B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	0.0684		0.0621	1	09/28/2024 14:26	WG2371210

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Antimony	ND		4.66	5	10/07/2024 21:12	WG2371056
Arsenic	3.42		1.55	5	10/07/2024 21:12	WG2371056
Barium	169		3.88	5	10/07/2024 21:12	WG2371056
Beryllium	ND		3.88	5	10/07/2024 21:12	WG2371056
Cadmium	ND		1.55	5	10/07/2024 21:12	WG2371056
Chromium	38.2		7.76	5	10/07/2024 21:12	WG2371056
Cobalt	12.2		1.55	5	10/07/2024 21:12	WG2371056
Copper	49.3		7.76	5	10/07/2024 21:12	WG2371056
Lead	44.5		3.11	5	10/07/2024 21:12	WG2371056
Manganese	386		7.76	10	10/08/2024 01:50	WG2371056
Nickel	19.3		3.88	5	10/07/2024 21:12	WG2371056
Selenium	ND		3.88	5	10/07/2024 21:12	WG2371056
Silver	ND		0.776	5	10/07/2024 21:12	WG2371056
Thallium	ND		3.11	5	10/07/2024 21:12	WG2371056
Vanadium	51.1		3.88	5	10/07/2024 21:12	WG2371056
Zinc	127		38.8	5	10/07/2024 21:12	WG2371056

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.113	1	09/29/2024 13:05	WG2372071
Acrylonitrile	ND		0.0283	1	09/29/2024 13:05	WG2372071
Benzene	ND		0.00226	1	09/29/2024 13:05	WG2372071
Bromobenzene	ND		0.0283	1	09/29/2024 13:05	WG2372071
Bromodichloromethane	ND		0.00566	1	09/29/2024 13:05	WG2372071
Bromoform	ND		0.0566	1	09/29/2024 13:05	WG2372071
Bromomethane	ND		0.0283	1	09/29/2024 13:05	WG2372071
n-Butylbenzene	ND		0.0283	1	09/29/2024 13:05	WG2372071
sec-Butylbenzene	ND		0.0283	1	09/29/2024 13:05	WG2372071
tert-Butylbenzene	ND		0.0113	1	09/29/2024 13:05	WG2372071
Carbon tetrachloride	ND		0.0113	1	09/29/2024 13:05	WG2372071
Chlorobenzene	ND		0.00566	1	09/29/2024 13:05	WG2372071
Chlorodibromomethane	ND		0.00566	1	09/29/2024 13:05	WG2372071
Chloroethane	ND		0.0113	1	09/29/2024 13:05	WG2372071
Chloroform	ND		0.00566	1	09/29/2024 13:05	WG2372071
Chloromethane	ND		0.0283	1	09/29/2024 13:05	WG2372071
2-Chlorotoluene	ND		0.00566	1	09/29/2024 13:05	WG2372071
4-Chlorotoluene	ND		0.0113	1	09/29/2024 13:05	WG2372071
1,2-Dibromo-3-Chloropropane	ND		0.0566	1	09/29/2024 13:05	WG2372071
1,2-Dibromoethane	ND		0.00566	1	09/29/2024 13:05	WG2372071
Dibromomethane	ND		0.0113	1	09/29/2024 13:05	WG2372071
1,2-Dichlorobenzene	ND		0.0113	1	09/29/2024 13:05	WG2372071
1,3-Dichlorobenzene	ND		0.0113	1	09/29/2024 13:05	WG2372071
1,4-Dichlorobenzene	ND		0.0113	1	09/29/2024 13:05	WG2372071
Dichlorodifluoromethane	ND		0.0113	1	09/29/2024 13:05	WG2372071
1,1-Dichloroethane	ND		0.00566	1	09/29/2024 13:05	WG2372071
1,2-Dichloroethane	ND		0.00566	1	09/29/2024 13:05	WG2372071
1,1-Dichloroethene	ND		0.00566	1	09/29/2024 13:05	WG2372071
cis-1,2-Dichloroethene	ND		0.00566	1	09/29/2024 13:05	WG2372071
trans-1,2-Dichloroethene	ND		0.0113	1	09/29/2024 13:05	WG2372071
1,2-Dichloropropane	ND		0.0113	1	09/29/2024 13:05	WG2372071
1,1-Dichloropropene	ND		0.00566	1	09/29/2024 13:05	WG2372071
1,3-Dichloropropane	ND		0.0113	1	09/29/2024 13:05	WG2372071
cis-1,3-Dichloropropene	ND		0.00566	1	09/29/2024 13:05	WG2372071
trans-1,3-Dichloropropene	ND		0.0113	1	09/29/2024 13:05	WG2372071
2,2-Dichloropropane	ND		0.00566	1	09/29/2024 13:05	WG2372071
Di-isopropyl ether	ND		0.00226	1	09/29/2024 13:05	WG2372071
Ethylbenzene	ND		0.00566	1	09/29/2024 13:05	WG2372071
Hexachloro-1,3-butadiene	ND		0.0566	1	09/29/2024 13:05	WG2372071
Isopropylbenzene	ND		0.00566	1	09/29/2024 13:05	WG2372071
p-Isopropyltoluene	ND		0.0113	1	09/29/2024 13:05	WG2372071
2-Butanone (MEK)	ND		0.226	1	09/29/2024 13:05	WG2372071
Methylene Chloride	ND		0.0566	1	09/29/2024 13:05	WG2372071
4-Methyl-2-pentanone (MIBK)	ND		0.0566	1	09/29/2024 13:05	WG2372071
Methyl tert-butyl ether	ND		0.00226	1	09/29/2024 13:05	WG2372071
Naphthalene	ND		0.0283	1	09/29/2024 13:05	WG2372071
n-Propylbenzene	ND		0.0113	1	09/29/2024 13:05	WG2372071
Styrene	ND		0.0283	1	09/29/2024 13:05	WG2372071
1,1,1,2-Tetrachloroethane	ND		0.00566	1	09/29/2024 13:05	WG2372071
1,1,2,2-Tetrachloroethane	ND		0.00566	1	09/29/2024 13:05	WG2372071
Tetrachloroethene	ND		0.00566	1	09/29/2024 13:05	WG2372071
Toluene	ND		0.0113	1	09/29/2024 13:05	WG2372071
1,2,3-Trichlorobenzene	ND		0.0283	1	09/29/2024 13:05	WG2372071
1,2,4-Trichlorobenzene	ND		0.0283	1	09/29/2024 13:05	WG2372071
1,1,1-Trichloroethane	ND		0.00566	1	09/29/2024 13:05	WG2372071
1,1,2-Trichloroethane	ND		0.00566	1	09/29/2024 13:05	WG2372071

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Trichloroethene	ND	J4	0.00226	1	09/29/2024 13:05	WG2372071
Trichlorofluoromethane	ND		0.00566	1	09/29/2024 13:05	WG2372071
1,2,3-Trichloropropane	ND		0.0283	1	09/29/2024 13:05	WG2372071
1,2,4-Trimethylbenzene	ND		0.0113	1	09/29/2024 13:05	WG2372071
1,3,5-Trimethylbenzene	ND		0.0113	1	09/29/2024 13:05	WG2372071
Vinyl chloride	ND		0.00566	1	09/29/2024 13:05	WG2372071
Xylenes, Total	ND		0.0147	1	09/29/2024 13:05	WG2372071
(S) Toluene-d8	*96.3*		*75.0-131*		*09/29/2024 13:05*	WG2372071
(S) 4-Bromofluorobenzene	*95.5*		*67.0-138*		*09/29/2024 13:05*	WG2372071
(S) 1,2-Dichloroethane-d4	*75.9*		*70.0-130*		*09/29/2024 13:05*	WG2372071

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0517	1	10/04/2024 01:16	WG2374327
Acenaphthylene	ND		0.0517	1	10/04/2024 01:16	WG2374327
Anthracene	ND		0.0517	1	10/04/2024 01:16	WG2374327
Benzidine	ND		2.59	1	10/04/2024 01:16	WG2374327
Benzo(a)anthracene	ND		0.0517	1	10/04/2024 01:16	WG2374327
Benzo(b)fluoranthene	ND		0.0517	1	10/04/2024 01:16	WG2374327
Benzo(k)fluoranthene	ND		0.0517	1	10/04/2024 01:16	WG2374327
Benzo(g,h,i)perylene	ND		0.0517	1	10/04/2024 01:16	WG2374327
Benzo(a)pyrene	ND		0.0517	1	10/04/2024 01:16	WG2374327
Bis(2-chlorethoxy)methane	ND		0.517	1	10/04/2024 01:16	WG2374327
Bis(2-chloroethyl)ether	ND		0.517	1	10/04/2024 01:16	WG2374327
2,2-Oxybis(1-Chloropropane)	ND		0.517	1	10/04/2024 01:16	WG2374327
4-Bromophenyl-phenylether	ND		0.517	1	10/04/2024 01:16	WG2374327
2-Chloronaphthalene	ND		0.0517	1	10/04/2024 01:16	WG2374327
4-Chlorophenyl-phenylether	ND		0.517	1	10/04/2024 01:16	WG2374327
Chrysene	ND		0.0517	1	10/04/2024 01:16	WG2374327
Dibenz(a,h)anthracene	ND		0.0517	1	10/04/2024 01:16	WG2374327
3,3-Dichlorobenzidine	ND		0.517	1	10/04/2024 01:16	WG2374327
2,4-Dinitrotoluene	ND		0.517	1	10/04/2024 01:16	WG2374327
2,6-Dinitrotoluene	ND		0.517	1	10/04/2024 01:16	WG2374327
Fluoranthene	ND		0.0517	1	10/04/2024 01:16	WG2374327
Fluorene	ND		0.0517	1	10/04/2024 01:16	WG2374327
Hexachlorobenzene	ND		0.517	1	10/04/2024 01:16	WG2374327
Hexachloro-1,3-butadiene	ND		0.517	1	10/04/2024 01:16	WG2374327
Hexachlorocyclopentadiene	ND		0.517	1	10/04/2024 01:16	WG2374327
Hexachloroethane	ND		0.517	1	10/04/2024 01:16	WG2374327
Indeno(1,2,3-cd)pyrene	ND		0.0517	1	10/04/2024 01:16	WG2374327
Isophorone	ND		0.517	1	10/04/2024 01:16	WG2374327
Naphthalene	ND		0.0517	1	10/04/2024 01:16	WG2374327
Nitrobenzene	ND		0.517	1	10/04/2024 01:16	WG2374327
n-Nitrosodimethylamine	ND		0.517	1	10/04/2024 01:16	WG2374327
n-Nitrosodiphenylamine	ND		0.517	1	10/04/2024 01:16	WG2374327
n-Nitrosodi-n-propylamine	ND		0.517	1	10/04/2024 01:16	WG2374327
Phenanthrene	ND		0.0517	1	10/04/2024 01:16	WG2374327
Benzylbutyl phthalate	ND		0.517	1	10/04/2024 01:16	WG2374327
Bis(2-ethylhexyl)phthalate	ND		0.517	1	10/04/2024 01:16	WG2374327
Di-n-butyl phthalate	ND		0.517	1	10/04/2024 01:16	WG2374327
Diethyl phthalate	ND		0.517	1	10/04/2024 01:16	WG2374327
Dimethyl phthalate	ND		0.517	1	10/04/2024 01:16	WG2374327
Di-n-octyl phthalate	ND		0.517	1	10/04/2024 01:16	WG2374327
Pyrene	ND		0.0517	1	10/04/2024 01:16	WG2374327
1,2,4-Trichlorobenzene	ND		0.517	1	10/04/2024 01:16	WG2374327

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Chloro-3-methylphenol	ND		0.517	1	10/04/2024 01:16	WG2374327
2-Chlorophenol	ND		0.517	1	10/04/2024 01:16	WG2374327
2,4-Dichlorophenol	ND		0.517	1	10/04/2024 01:16	WG2374327
2,4-Dimethylphenol	ND		0.517	1	10/04/2024 01:16	WG2374327
4,6-Dinitro-2-methylphenol	ND		0.517	1	10/04/2024 01:16	WG2374327
2,4-Dinitrophenol	ND		0.517	1	10/04/2024 01:16	WG2374327
2-Nitrophenol	ND		0.517	1	10/04/2024 01:16	WG2374327
4-Nitrophenol	ND		0.517	1	10/04/2024 01:16	WG2374327
Pentachlorophenol	ND		0.517	1	10/04/2024 01:16	WG2374327
Phenol	ND		0.517	1	10/04/2024 01:16	WG2374327
2,4,6-Trichlorophenol	ND		0.517	1	10/04/2024 01:16	WG2374327
(S) 2-Fluorophenol	*64.4*		*12.0-120*		*10/04/2024 01:16*	WG2374327
(S) Phenol-d5	*56.5*		*10.0-120*		*10/04/2024 01:16*	WG2374327
(S) Nitrobenzene-d5	*53.2*		*10.0-122*		*10/04/2024 01:16*	WG2374327
(S) 2-Fluorobiphenyl	*49.5*		*15.0-120*		*10/04/2024 01:16*	WG2374327
(S) 2,4,6-Tribromophenol	*48.5*		*10.0-127*		*10/04/2024 01:16*	WG2374327
(S) p-Terphenyl-d14	*56.8*		*10.0-120*		*10/04/2024 01:16*	WG2374327

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.155	1	09/28/2024 18:58	WG2371670
(S) Nitrobenzene-d5	*76.5*		*10.0-120*		*09/28/2024 18:58*	WG2371670

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chromium,Trivalent	26.1		1.42	1	10/07/2024 21:16	WG2371056

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	70.2		1	09/27/2024 09:25	WG2371002

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	44.0		14.2	1	10/02/2024 10:58	WG2371177

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.42	1	09/30/2024 01:35	WG2371401

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate as (N)	ND		14.2	1	09/28/2024 12:19	WG2370810
Sulfate	ND		71.2	1	09/28/2024 12:19	WG2370810

Mercury by Method 7471B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	0.0748		0.0569	1	09/28/2024 14:29	WG2371210

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Antimony	ND		4.27	5	10/07/2024 21:16	WG2371056
Arsenic	3.54		1.42	5	10/07/2024 21:16	WG2371056
Barium	129		3.56	5	10/07/2024 21:16	WG2371056
Beryllium	ND		3.56	5	10/07/2024 21:16	WG2371056
Cadmium	ND		1.42	5	10/07/2024 21:16	WG2371056
Chromium	26.1		7.12	5	10/07/2024 21:16	WG2371056
Cobalt	10.6		1.42	5	10/07/2024 21:16	WG2371056
Copper	65.3		7.12	5	10/07/2024 21:16	WG2371056
Lead	114		2.85	5	10/07/2024 21:16	WG2371056
Manganese	2430		71.2	100	10/08/2024 01:54	WG2371056
Nickel	14.2		3.56	5	10/07/2024 21:16	WG2371056
Selenium	ND		3.56	5	10/07/2024 21:16	WG2371056
Silver	ND		0.712	5	10/07/2024 21:16	WG2371056
Thallium	ND		2.85	5	10/07/2024 21:16	WG2371056
Vanadium	30.7		3.56	5	10/07/2024 21:16	WG2371056
Zinc	155		35.6	5	10/07/2024 21:16	WG2371056

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0999	1	09/29/2024 13:25	WG2372071
Acrylonitrile	ND		0.0250	1	09/29/2024 13:25	WG2372071
Benzene	ND		0.00200	1	09/29/2024 13:25	WG2372071
Bromobenzene	ND		0.0250	1	09/29/2024 13:25	WG2372071
Bromodichloromethane	ND		0.00500	1	09/29/2024 13:25	WG2372071
Bromoform	ND		0.0500	1	09/29/2024 13:25	WG2372071
Bromomethane	ND		0.0250	1	09/29/2024 13:25	WG2372071
n-Butylbenzene	ND		0.0250	1	09/29/2024 13:25	WG2372071
sec-Butylbenzene	ND		0.0250	1	09/29/2024 13:25	WG2372071
tert-Butylbenzene	ND		0.00999	1	09/29/2024 13:25	WG2372071
Carbon tetrachloride	ND		0.00999	1	09/29/2024 13:25	WG2372071
Chlorobenzene	ND		0.00500	1	09/29/2024 13:25	WG2372071
Chlorodibromomethane	ND		0.00500	1	09/29/2024 13:25	WG2372071
Chloroethane	ND		0.00999	1	09/29/2024 13:25	WG2372071
Chloroform	ND		0.00500	1	09/29/2024 13:25	WG2372071
Chloromethane	ND		0.0250	1	09/29/2024 13:25	WG2372071
2-Chlorotoluene	ND		0.00500	1	09/29/2024 13:25	WG2372071
4-Chlorotoluene	ND		0.00999	1	09/29/2024 13:25	WG2372071
1,2-Dibromo-3-Chloropropane	ND		0.0500	1	09/29/2024 13:25	WG2372071
1,2-Dibromoethane	ND		0.00500	1	09/29/2024 13:25	WG2372071
Dibromomethane	ND		0.00999	1	09/29/2024 13:25	WG2372071
1,2-Dichlorobenzene	ND		0.00999	1	09/29/2024 13:25	WG2372071
1,3-Dichlorobenzene	ND		0.00999	1	09/29/2024 13:25	WG2372071
1,4-Dichlorobenzene	ND		0.00999	1	09/29/2024 13:25	WG2372071
Dichlorodifluoromethane	ND		0.00999	1	09/29/2024 13:25	WG2372071
1,1-Dichloroethane	ND		0.00500	1	09/29/2024 13:25	WG2372071
1,2-Dichloroethane	ND		0.00500	1	09/29/2024 13:25	WG2372071
1,1-Dichloroethene	ND		0.00500	1	09/29/2024 13:25	WG2372071
cis-1,2-Dichloroethene	ND		0.00500	1	09/29/2024 13:25	WG2372071
trans-1,2-Dichloroethene	ND		0.00999	1	09/29/2024 13:25	WG2372071
1,2-Dichloropropane	ND		0.00999	1	09/29/2024 13:25	WG2372071
1,1-Dichloropropene	ND		0.00500	1	09/29/2024 13:25	WG2372071
1,3-Dichloropropane	ND		0.00999	1	09/29/2024 13:25	WG2372071
cis-1,3-Dichloropropene	ND		0.00500	1	09/29/2024 13:25	WG2372071
trans-1,3-Dichloropropene	ND		0.00999	1	09/29/2024 13:25	WG2372071
2,2-Dichloropropane	ND		0.00500	1	09/29/2024 13:25	WG2372071
Di-isopropyl ether	ND		0.00200	1	09/29/2024 13:25	WG2372071
Ethylbenzene	ND		0.00500	1	09/29/2024 13:25	WG2372071
Hexachloro-1,3-butadiene	ND		0.0500	1	09/29/2024 13:25	WG2372071
Isopropylbenzene	ND		0.00500	1	09/29/2024 13:25	WG2372071
p-Isopropyltoluene	ND		0.00999	1	09/29/2024 13:25	WG2372071
2-Butanone (MEK)	ND		0.200	1	09/29/2024 13:25	WG2372071
Methylene Chloride	ND		0.0500	1	09/29/2024 13:25	WG2372071
4-Methyl-2-pentanone (MIBK)	ND		0.0500	1	09/29/2024 13:25	WG2372071
Methyl tert-butyl ether	ND		0.00200	1	09/29/2024 13:25	WG2372071
Naphthalene	ND		0.0250	1	09/29/2024 13:25	WG2372071
n-Propylbenzene	ND		0.00999	1	09/29/2024 13:25	WG2372071
Styrene	ND		0.0250	1	09/29/2024 13:25	WG2372071
1,1,1,2-Tetrachloroethane	ND		0.00500	1	09/29/2024 13:25	WG2372071
1,1,2,2-Tetrachloroethane	ND		0.00500	1	09/29/2024 13:25	WG2372071
Tetrachloroethene	ND		0.00500	1	09/29/2024 13:25	WG2372071
Toluene	ND		0.00999	1	09/29/2024 13:25	WG2372071
1,2,3-Trichlorobenzene	ND		0.0250	1	09/29/2024 13:25	WG2372071
1,2,4-Trichlorobenzene	ND		0.0250	1	09/29/2024 13:25	WG2372071
1,1,1-Trichloroethane	ND		0.00500	1	09/29/2024 13:25	WG2372071
1,1,2-Trichloroethane	ND		0.00500	1	09/29/2024 13:25	WG2372071

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Trichloroethene	ND	J4	0.00200	1	09/29/2024 13:25	WG2372071
Trichlorofluoromethane	ND		0.00500	1	09/29/2024 13:25	WG2372071
1,2,3-Trichloropropane	ND		0.0250	1	09/29/2024 13:25	WG2372071
1,2,4-Trimethylbenzene	ND		0.00999	1	09/29/2024 13:25	WG2372071
1,3,5-Trimethylbenzene	ND		0.00999	1	09/29/2024 13:25	WG2372071
Vinyl chloride	ND		0.00500	1	09/29/2024 13:25	WG2372071
Xylenes, Total	ND		0.0130	1	09/29/2024 13:25	WG2372071
(S) Toluene-d8	*98.4*		*75.0-131*		*09/29/2024 13:25*	WG2372071
(S) 4-Bromofluorobenzene	*97.2*		*67.0-138*		*09/29/2024 13:25*	WG2372071
(S) 1,2-Dichloroethane-d4	*79.0*		*70.0-130*		*09/29/2024 13:25*	WG2372071

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0474	1	10/04/2024 04:26	WG2374327
Acenaphthylene	ND		0.0474	1	10/04/2024 04:26	WG2374327
Anthracene	ND		0.0474	1	10/04/2024 04:26	WG2374327
Benzidine	ND		2.38	1	10/04/2024 04:26	WG2374327
Benzo(a)anthracene	ND		0.0474	1	10/04/2024 04:26	WG2374327
Benzo(b)fluoranthene	0.0552		0.0474	1	10/04/2024 04:26	WG2374327
Benzo(k)fluoranthene	ND		0.0474	1	10/04/2024 04:26	WG2374327
Benzo(g,h,i)perylene	ND		0.0474	1	10/04/2024 04:26	WG2374327
Benzo(a)pyrene	ND		0.0474	1	10/04/2024 04:26	WG2374327
Bis(2-chlorethoxy)methane	ND		0.474	1	10/04/2024 04:26	WG2374327
Bis(2-chloroethyl)ether	ND		0.474	1	10/04/2024 04:26	WG2374327
2,2-Oxybis(1-Chloropropane)	ND		0.474	1	10/04/2024 04:26	WG2374327
4-Bromophenyl-phenylether	ND		0.474	1	10/04/2024 04:26	WG2374327
2-Chloronaphthalene	ND		0.0474	1	10/04/2024 04:26	WG2374327
4-Chlorophenyl-phenylether	ND		0.474	1	10/04/2024 04:26	WG2374327
Chrysene	ND		0.0474	1	10/04/2024 04:26	WG2374327
Dibenz(a,h)anthracene	ND		0.0474	1	10/04/2024 04:26	WG2374327
3,3-Dichlorobenzidine	ND		0.474	1	10/04/2024 04:26	WG2374327
2,4-Dinitrotoluene	ND		0.474	1	10/04/2024 04:26	WG2374327
2,6-Dinitrotoluene	ND		0.474	1	10/04/2024 04:26	WG2374327
Fluoranthene	0.0875		0.0474	1	10/04/2024 04:26	WG2374327
Fluorene	ND		0.0474	1	10/04/2024 04:26	WG2374327
Hexachlorobenzene	ND		0.474	1	10/04/2024 04:26	WG2374327
Hexachloro-1,3-butadiene	ND		0.474	1	10/04/2024 04:26	WG2374327
Hexachlorocyclopentadiene	ND		0.474	1	10/04/2024 04:26	WG2374327
Hexachloroethane	ND		0.474	1	10/04/2024 04:26	WG2374327
Indeno(1,2,3-cd)pyrene	ND		0.0474	1	10/04/2024 04:26	WG2374327
Isophorone	ND		0.474	1	10/04/2024 04:26	WG2374327
Naphthalene	ND		0.0474	1	10/04/2024 04:26	WG2374327
Nitrobenzene	ND		0.474	1	10/04/2024 04:26	WG2374327
n-Nitrosodimethylamine	ND		0.474	1	10/04/2024 04:26	WG2374327
n-Nitrosodiphenylamine	ND		0.474	1	10/04/2024 04:26	WG2374327
n-Nitrosodi-n-propylamine	ND		0.474	1	10/04/2024 04:26	WG2374327
Phenanthrene	0.0594		0.0474	1	10/04/2024 04:26	WG2374327
Benzylbutyl phthalate	ND		0.474	1	10/04/2024 04:26	WG2374327
Bis(2-ethylhexyl)phthalate	ND		0.474	1	10/04/2024 04:26	WG2374327
Di-n-butyl phthalate	ND		0.474	1	10/04/2024 04:26	WG2374327
Diethyl phthalate	ND		0.474	1	10/04/2024 04:26	WG2374327
Dimethyl phthalate	ND		0.474	1	10/04/2024 04:26	WG2374327
Di-n-octyl phthalate	ND		0.474	1	10/04/2024 04:26	WG2374327
Pyrene	0.0722		0.0474	1	10/04/2024 04:26	WG2374327
1,2,4-Trichlorobenzene	ND		0.474	1	10/04/2024 04:26	WG2374327

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Chloro-3-methylphenol	ND		0.474	1	10/04/2024 04:26	WG2374327
2-Chlorophenol	ND		0.474	1	10/04/2024 04:26	WG2374327
2,4-Dichlorophenol	ND		0.474	1	10/04/2024 04:26	WG2374327
2,4-Dimethylphenol	ND		0.474	1	10/04/2024 04:26	WG2374327
4,6-Dinitro-2-methylphenol	ND		0.474	1	10/04/2024 04:26	WG2374327
2,4-Dinitrophenol	ND		0.474	1	10/04/2024 04:26	WG2374327
2-Nitrophenol	ND		0.474	1	10/04/2024 04:26	WG2374327
4-Nitrophenol	ND		0.474	1	10/04/2024 04:26	WG2374327
Pentachlorophenol	ND		0.474	1	10/04/2024 04:26	WG2374327
Phenol	ND		0.474	1	10/04/2024 04:26	WG2374327
2,4,6-Trichlorophenol	ND		0.474	1	10/04/2024 04:26	WG2374327
(S) 2-Fluorophenol	*55.3*		*12.0-120*		*10/04/2024 04:26*	WG2374327
(S) Phenol-d5	*50.6*		*10.0-120*		*10/04/2024 04:26*	WG2374327
(S) Nitrobenzene-d5	*47.7*		*10.0-122*		*10/04/2024 04:26*	WG2374327
(S) 2-Fluorobiphenyl	*44.1*		*15.0-120*		*10/04/2024 04:26*	WG2374327
(S) 2,4,6-Tribromophenol	*46.1*		*10.0-127*		*10/04/2024 04:26*	WG2374327
(S) p-Terphenyl-d14	*52.9*		*10.0-120*		*10/04/2024 04:26*	WG2374327

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.142	1	09/28/2024 19:17	WG2371670
(S) Nitrobenzene-d5	*75.2*		*10.0-120*		*09/28/2024 19:17*	WG2371670

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chromium,Trivalent	43.2		1.55	1	10/07/2024 21:19	WG2371056

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	64.3		1	09/27/2024 09:25	WG2371002

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		15.5	1	10/02/2024 10:59	WG2371177

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.55	1	09/30/2024 01:41	WG2371401

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate as (N)	ND		15.5	1	09/28/2024 12:37	WG2370810
Sulfate	ND		77.7	1	09/28/2024 12:37	WG2370810

Mercury by Method 7471B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	0.245		0.0622	1	09/28/2024 14:31	WG2371210

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Antimony	5.01		4.66	5	10/07/2024 21:19	WG2371056
Arsenic	7.13		1.55	5	10/07/2024 21:19	WG2371056
Barium	247		3.89	5	10/07/2024 21:19	WG2371056
Beryllium	ND		3.89	5	10/07/2024 21:19	WG2371056
Cadmium	ND		1.55	5	10/07/2024 21:19	WG2371056
Chromium	43.7		7.77	5	10/07/2024 21:19	WG2371056
Cobalt	14.1		1.55	5	10/07/2024 21:19	WG2371056
Copper	152		7.77	5	10/07/2024 21:19	WG2371056
Lead	333		3.11	5	10/07/2024 21:19	WG2371056
Manganese	588		15.5	20	10/08/2024 01:57	WG2371056
Nickel	25.8		3.89	5	10/07/2024 21:19	WG2371056
Selenium	ND		3.89	5	10/07/2024 21:19	WG2371056
Silver	ND		0.777	5	10/07/2024 21:19	WG2371056
Thallium	ND		3.11	5	10/07/2024 21:19	WG2371056
Vanadium	46.6		3.89	5	10/07/2024 21:19	WG2371056
Zinc	425		38.9	5	10/07/2024 21:19	WG2371056

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.107	1.02	09/29/2024 13:44	WG2372071
Acrylonitrile	ND		0.0269	1.02	09/29/2024 13:44	WG2372071
Benzene	ND		0.00214	1.02	09/29/2024 13:44	WG2372071
Bromobenzene	ND		0.0269	1.02	09/29/2024 13:44	WG2372071
Bromodichloromethane	ND		0.00535	1.02	09/29/2024 13:44	WG2372071
Bromoform	ND		0.0535	1.02	09/29/2024 13:44	WG2372071
Bromomethane	ND		0.0269	1.02	09/29/2024 13:44	WG2372071
n-Butylbenzene	ND		0.0269	1.02	09/29/2024 13:44	WG2372071
sec-Butylbenzene	ND		0.0269	1.02	09/29/2024 13:44	WG2372071
tert-Butylbenzene	ND		0.0107	1.02	09/29/2024 13:44	WG2372071
Carbon tetrachloride	ND		0.0107	1.02	09/29/2024 13:44	WG2372071
Chlorobenzene	ND		0.00535	1.02	09/29/2024 13:44	WG2372071
Chlorodibromomethane	ND		0.00535	1.02	09/29/2024 13:44	WG2372071
Chloroethane	ND		0.0107	1.02	09/29/2024 13:44	WG2372071
Chloroform	ND		0.00535	1.02	09/29/2024 13:44	WG2372071
Chloromethane	ND		0.0269	1.02	09/29/2024 13:44	WG2372071
2-Chlorotoluene	ND		0.00535	1.02	09/29/2024 13:44	WG2372071
4-Chlorotoluene	ND		0.0107	1.02	09/29/2024 13:44	WG2372071
1,2-Dibromo-3-Chloropropane	ND		0.0535	1.02	09/29/2024 13:44	WG2372071
1,2-Dibromoethane	ND		0.00535	1.02	09/29/2024 13:44	WG2372071
Dibromomethane	ND		0.0107	1.02	09/29/2024 13:44	WG2372071
1,2-Dichlorobenzene	ND		0.0107	1.02	09/29/2024 13:44	WG2372071
1,3-Dichlorobenzene	ND		0.0107	1.02	09/29/2024 13:44	WG2372071
1,4-Dichlorobenzene	ND		0.0107	1.02	09/29/2024 13:44	WG2372071
Dichlorodifluoromethane	ND		0.0107	1.02	09/29/2024 13:44	WG2372071
1,1-Dichloroethane	ND		0.00535	1.02	09/29/2024 13:44	WG2372071
1,2-Dichloroethane	ND		0.00535	1.02	09/29/2024 13:44	WG2372071
1,1-Dichloroethene	ND		0.00535	1.02	09/29/2024 13:44	WG2372071
cis-1,2-Dichloroethene	ND		0.00535	1.02	09/29/2024 13:44	WG2372071
trans-1,2-Dichloroethene	ND		0.0107	1.02	09/29/2024 13:44	WG2372071
1,2-Dichloropropane	ND		0.0107	1.02	09/29/2024 13:44	WG2372071
1,1-Dichloropropene	ND		0.00535	1.02	09/29/2024 13:44	WG2372071
1,3-Dichloropropane	ND		0.0107	1.02	09/29/2024 13:44	WG2372071
cis-1,3-Dichloropropene	ND		0.00535	1.02	09/29/2024 13:44	WG2372071
trans-1,3-Dichloropropene	ND		0.0107	1.02	09/29/2024 13:44	WG2372071
2,2-Dichloropropane	ND		0.00535	1.02	09/29/2024 13:44	WG2372071
Di-isopropyl ether	ND		0.00214	1.02	09/29/2024 13:44	WG2372071
Ethylbenzene	ND		0.00535	1.02	09/29/2024 13:44	WG2372071
Hexachloro-1,3-butadiene	ND		0.0535	1.02	09/29/2024 13:44	WG2372071
Isopropylbenzene	ND		0.00535	1.02	09/29/2024 13:44	WG2372071
p-Isopropyltoluene	ND		0.0107	1.02	09/29/2024 13:44	WG2372071
2-Butanone (MEK)	ND		0.214	1.02	09/29/2024 13:44	WG2372071
Methylene Chloride	ND		0.0535	1.02	09/29/2024 13:44	WG2372071
4-Methyl-2-pentanone (MIBK)	ND		0.0535	1.02	09/29/2024 13:44	WG2372071
Methyl tert-butyl ether	ND		0.00214	1.02	09/29/2024 13:44	WG2372071
Naphthalene	ND		0.0269	1.02	09/29/2024 13:44	WG2372071
n-Propylbenzene	ND		0.0107	1.02	09/29/2024 13:44	WG2372071
Styrene	ND		0.0269	1.02	09/29/2024 13:44	WG2372071
1,1,1,2-Tetrachloroethane	ND		0.00535	1.02	09/29/2024 13:44	WG2372071
1,1,2,2-Tetrachloroethane	ND		0.00535	1.02	09/29/2024 13:44	WG2372071
Tetrachloroethene	ND		0.00535	1.02	09/29/2024 13:44	WG2372071
Toluene	ND		0.0107	1.02	09/29/2024 13:44	WG2372071
1,2,3-Trichlorobenzene	ND		0.0269	1.02	09/29/2024 13:44	WG2372071
1,2,4-Trichlorobenzene	ND		0.0269	1.02	09/29/2024 13:44	WG2372071
1,1,1-Trichloroethane	ND		0.00535	1.02	09/29/2024 13:44	WG2372071
1,1,2-Trichloroethane	ND		0.00535	1.02	09/29/2024 13:44	WG2372071

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Trichloroethene	ND	J4	0.00214	1.02	09/29/2024 13:44	WG2372071
Trichlorofluoromethane	ND		0.00535	1.02	09/29/2024 13:44	WG2372071
1,2,3-Trichloropropane	ND		0.0269	1.02	09/29/2024 13:44	WG2372071
1,2,4-Trimethylbenzene	ND		0.0107	1.02	09/29/2024 13:44	WG2372071
1,3,5-Trimethylbenzene	ND		0.0107	1.02	09/29/2024 13:44	WG2372071
Vinyl chloride	ND		0.00535	1.02	09/29/2024 13:44	WG2372071
Xylenes, Total	ND		0.0139	1.02	09/29/2024 13:44	WG2372071
(S) Toluene-d8	*98.5*		*75.0-131*		*09/29/2024 13:44*	WG2372071
(S) 4-Bromofluorobenzene	*98.6*		*67.0-138*		*09/29/2024 13:44*	WG2372071
(S) 1,2-Dichloroethane-d4	*75.1*		*70.0-130*		*09/29/2024 13:44*	WG2372071

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0518	1	10/04/2024 01:37	WG2374327
Acenaphthylene	ND		0.0518	1	10/04/2024 01:37	WG2374327
Anthracene	ND		0.0518	1	10/04/2024 01:37	WG2374327
Benzidine	ND		2.60	1	10/04/2024 01:37	WG2374327
Benzo(a)anthracene	ND		0.0518	1	10/04/2024 01:37	WG2374327
Benzo(b)fluoranthene	ND		0.0518	1	10/04/2024 01:37	WG2374327
Benzo(k)fluoranthene	ND		0.0518	1	10/04/2024 01:37	WG2374327
Benzo(g,h,i)perylene	ND		0.0518	1	10/04/2024 01:37	WG2374327
Benzo(a)pyrene	ND		0.0518	1	10/04/2024 01:37	WG2374327
Bis(2-chlorethoxy)methane	ND		0.518	1	10/04/2024 01:37	WG2374327
Bis(2-chloroethyl)ether	ND		0.518	1	10/04/2024 01:37	WG2374327
2,2-Oxybis(1-Chloropropane)	ND		0.518	1	10/04/2024 01:37	WG2374327
4-Bromophenyl-phenylether	ND		0.518	1	10/04/2024 01:37	WG2374327
2-Chloronaphthalene	ND		0.0518	1	10/04/2024 01:37	WG2374327
4-Chlorophenyl-phenylether	ND		0.518	1	10/04/2024 01:37	WG2374327
Chrysene	ND		0.0518	1	10/04/2024 01:37	WG2374327
Dibenz(a,h)anthracene	ND		0.0518	1	10/04/2024 01:37	WG2374327
3,3-Dichlorobenzidine	ND		0.518	1	10/04/2024 01:37	WG2374327
2,4-Dinitrotoluene	ND		0.518	1	10/04/2024 01:37	WG2374327
2,6-Dinitrotoluene	ND		0.518	1	10/04/2024 01:37	WG2374327
Fluoranthene	ND		0.0518	1	10/04/2024 01:37	WG2374327
Fluorene	ND		0.0518	1	10/04/2024 01:37	WG2374327
Hexachlorobenzene	ND		0.518	1	10/04/2024 01:37	WG2374327
Hexachloro-1,3-butadiene	ND		0.518	1	10/04/2024 01:37	WG2374327
Hexachlorocyclopentadiene	ND		0.518	1	10/04/2024 01:37	WG2374327
Hexachloroethane	ND		0.518	1	10/04/2024 01:37	WG2374327
Indeno(1,2,3-cd)pyrene	ND		0.0518	1	10/04/2024 01:37	WG2374327
Isophorone	ND		0.518	1	10/04/2024 01:37	WG2374327
Naphthalene	ND		0.0518	1	10/04/2024 01:37	WG2374327
Nitrobenzene	ND		0.518	1	10/04/2024 01:37	WG2374327
n-Nitrosodimethylamine	ND		0.518	1	10/04/2024 01:37	WG2374327
n-Nitrosodiphenylamine	ND		0.518	1	10/04/2024 01:37	WG2374327
n-Nitrosodi-n-propylamine	ND		0.518	1	10/04/2024 01:37	WG2374327
Phenanthrene	ND		0.0518	1	10/04/2024 01:37	WG2374327
Benzylbutyl phthalate	ND		0.518	1	10/04/2024 01:37	WG2374327
Bis(2-ethylhexyl)phthalate	ND		0.518	1	10/04/2024 01:37	WG2374327
Di-n-butyl phthalate	ND		0.518	1	10/04/2024 01:37	WG2374327
Diethyl phthalate	ND		0.518	1	10/04/2024 01:37	WG2374327
Dimethyl phthalate	ND		0.518	1	10/04/2024 01:37	WG2374327
Di-n-octyl phthalate	ND		0.518	1	10/04/2024 01:37	WG2374327
Pyrene	ND		0.0518	1	10/04/2024 01:37	WG2374327
1,2,4-Trichlorobenzene	ND		0.518	1	10/04/2024 01:37	WG2374327

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Chloro-3-methylphenol	ND		0.518	1	10/04/2024 01:37	WG2374327
2-Chlorophenol	ND		0.518	1	10/04/2024 01:37	WG2374327
2,4-Dichlorophenol	ND		0.518	1	10/04/2024 01:37	WG2374327
2,4-Dimethylphenol	ND		0.518	1	10/04/2024 01:37	WG2374327
4,6-Dinitro-2-methylphenol	ND		0.518	1	10/04/2024 01:37	WG2374327
2,4-Dinitrophenol	ND		0.518	1	10/04/2024 01:37	WG2374327
2-Nitrophenol	ND		0.518	1	10/04/2024 01:37	WG2374327
4-Nitrophenol	ND		0.518	1	10/04/2024 01:37	WG2374327
Pentachlorophenol	ND		0.518	1	10/04/2024 01:37	WG2374327
Phenol	ND		0.518	1	10/04/2024 01:37	WG2374327
2,4,6-Trichlorophenol	ND		0.518	1	10/04/2024 01:37	WG2374327
(S) 2-Fluorophenol	*61.8*		*12.0-120*		*10/04/2024 01:37*	WG2374327
(S) Phenol-d5	*55.1*		*10.0-120*		*10/04/2024 01:37*	WG2374327
(S) Nitrobenzene-d5	*51.6*		*10.0-122*		*10/04/2024 01:37*	WG2374327
(S) 2-Fluorobiphenyl	*51.0*		*15.0-120*		*10/04/2024 01:37*	WG2374327
(S) 2,4,6-Tribromophenol	*49.4*		*10.0-127*		*10/04/2024 01:37*	WG2374327
(S) p-Terphenyl-d14	*61.8*		*10.0-120*		*10/04/2024 01:37*	WG2374327

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.155	1	09/28/2024 19:36	WG2371670
(S) Nitrobenzene-d5	*79.1*		*10.0-120*		*09/28/2024 19:36*	WG2371670

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chromium,Trivalent	30.4		1.37	1	10/07/2024 21:33	WG2371056

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	73.1		1	09/27/2024 09:25	WG2371002

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		13.7	1	10/02/2024 11:00	WG2371177

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.37	1	09/30/2024 01:47	WG2371401

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate as (N)	ND		14.4	1.05	09/28/2024 13:31	WG2370810
Sulfate	ND		71.8	1.05	09/28/2024 13:31	WG2370810

Mercury by Method 7471B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	0.111		0.0547	1	09/28/2024 14:34	WG2371210

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Antimony	ND		4.10	5	10/07/2024 21:33	WG2371056
Arsenic	6.19		1.37	5	10/07/2024 21:33	WG2371056
Barium	374		3.42	5	10/07/2024 21:33	WG2371056
Beryllium	ND		3.42	5	10/07/2024 21:33	WG2371056
Cadmium	ND		1.37	5	10/07/2024 21:33	WG2371056
Chromium	30.4		6.84	5	10/07/2024 21:33	WG2371056
Cobalt	9.95		1.37	5	10/07/2024 21:33	WG2371056
Copper	165		6.84	5	10/07/2024 21:33	WG2371056
Lead	480		2.73	5	10/07/2024 21:33	WG2371056
Manganese	483		6.84	10	10/08/2024 02:00	WG2371056
Nickel	19.3		3.42	5	10/07/2024 21:33	WG2371056
Selenium	ND		3.42	5	10/07/2024 21:33	WG2371056
Silver	0.827		0.684	5	10/07/2024 21:33	WG2371056
Thallium	ND		2.73	5	10/07/2024 21:33	WG2371056
Vanadium	31.2		3.42	5	10/07/2024 21:33	WG2371056
Zinc	582		34.2	5	10/07/2024 21:33	WG2371056

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0916	1	09/29/2024 14:03	WG2372071
Acrylonitrile	ND		0.0229	1	09/29/2024 14:03	WG2372071
Benzene	ND		0.00183	1	09/29/2024 14:03	WG2372071
Bromobenzene	ND		0.0229	1	09/29/2024 14:03	WG2372071
Bromodichloromethane	ND		0.00458	1	09/29/2024 14:03	WG2372071
Bromoform	ND		0.0458	1	09/29/2024 14:03	WG2372071
Bromomethane	ND		0.0229	1	09/29/2024 14:03	WG2372071
n-Butylbenzene	ND		0.0229	1	09/29/2024 14:03	WG2372071
sec-Butylbenzene	ND		0.0229	1	09/29/2024 14:03	WG2372071
tert-Butylbenzene	ND		0.00916	1	09/29/2024 14:03	WG2372071
Carbon tetrachloride	ND		0.00916	1	09/29/2024 14:03	WG2372071
Chlorobenzene	ND		0.00458	1	09/29/2024 14:03	WG2372071
Chlorodibromomethane	ND		0.00458	1	09/29/2024 14:03	WG2372071
Chloroethane	ND		0.00916	1	09/29/2024 14:03	WG2372071
Chloroform	ND		0.00458	1	09/29/2024 14:03	WG2372071
Chloromethane	ND		0.0229	1	09/29/2024 14:03	WG2372071
2-Chlorotoluene	ND		0.00458	1	09/29/2024 14:03	WG2372071
4-Chlorotoluene	ND		0.00916	1	09/29/2024 14:03	WG2372071
1,2-Dibromo-3-Chloropropane	ND		0.0458	1	09/29/2024 14:03	WG2372071
1,2-Dibromoethane	ND		0.00458	1	09/29/2024 14:03	WG2372071
Dibromomethane	ND		0.00916	1	09/29/2024 14:03	WG2372071
1,2-Dichlorobenzene	ND		0.00916	1	09/29/2024 14:03	WG2372071
1,3-Dichlorobenzene	ND		0.00916	1	09/29/2024 14:03	WG2372071
1,4-Dichlorobenzene	ND		0.00916	1	09/29/2024 14:03	WG2372071
Dichlorodifluoromethane	ND		0.00916	1	09/29/2024 14:03	WG2372071
1,1-Dichloroethane	ND		0.00458	1	09/29/2024 14:03	WG2372071
1,2-Dichloroethane	ND		0.00458	1	09/29/2024 14:03	WG2372071
1,1-Dichloroethene	ND		0.00458	1	09/29/2024 14:03	WG2372071
cis-1,2-Dichloroethene	ND		0.00458	1	09/29/2024 14:03	WG2372071
trans-1,2-Dichloroethene	ND		0.00916	1	09/29/2024 14:03	WG2372071
1,2-Dichloropropane	ND		0.00916	1	09/29/2024 14:03	WG2372071
1,1-Dichloropropene	ND		0.00458	1	09/29/2024 14:03	WG2372071
1,3-Dichloropropane	ND		0.00916	1	09/29/2024 14:03	WG2372071
cis-1,3-Dichloropropene	ND		0.00458	1	09/29/2024 14:03	WG2372071
trans-1,3-Dichloropropene	ND		0.00916	1	09/29/2024 14:03	WG2372071
2,2-Dichloropropane	ND		0.00458	1	09/29/2024 14:03	WG2372071
Di-isopropyl ether	ND		0.00183	1	09/29/2024 14:03	WG2372071
Ethylbenzene	ND		0.00458	1	09/29/2024 14:03	WG2372071
Hexachloro-1,3-butadiene	ND		0.0458	1	09/29/2024 14:03	WG2372071
Isopropylbenzene	ND		0.00458	1	09/29/2024 14:03	WG2372071
p-Isopropyltoluene	ND		0.00916	1	09/29/2024 14:03	WG2372071
2-Butanone (MEK)	ND		0.183	1	09/29/2024 14:03	WG2372071
Methylene Chloride	ND		0.0458	1	09/29/2024 14:03	WG2372071
4-Methyl-2-pentanone (MIBK)	ND		0.0458	1	09/29/2024 14:03	WG2372071
Methyl tert-butyl ether	ND		0.00183	1	09/29/2024 14:03	WG2372071
Naphthalene	ND		0.0229	1	09/29/2024 14:03	WG2372071
n-Propylbenzene	ND		0.00916	1	09/29/2024 14:03	WG2372071
Styrene	ND		0.0229	1	09/29/2024 14:03	WG2372071
1,1,1,2-Tetrachloroethane	ND		0.00458	1	09/29/2024 14:03	WG2372071
1,1,2,2-Tetrachloroethane	ND		0.00458	1	09/29/2024 14:03	WG2372071
Tetrachloroethene	ND		0.00458	1	09/29/2024 14:03	WG2372071
Toluene	ND		0.00916	1	09/29/2024 14:03	WG2372071
1,2,3-Trichlorobenzene	ND		0.0229	1	09/29/2024 14:03	WG2372071
1,2,4-Trichlorobenzene	ND		0.0229	1	09/29/2024 14:03	WG2372071
1,1,1-Trichloroethane	ND		0.00458	1	09/29/2024 14:03	WG2372071
1,1,2-Trichloroethane	ND		0.00458	1	09/29/2024 14:03	WG2372071

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Trichloroethene	ND	J4	0.00183	1	09/29/2024 14:03	WG2372071
Trichlorofluoromethane	ND		0.00458	1	09/29/2024 14:03	WG2372071
1,2,3-Trichloropropane	ND		0.0229	1	09/29/2024 14:03	WG2372071
1,2,4-Trimethylbenzene	ND		0.00916	1	09/29/2024 14:03	WG2372071
1,3,5-Trimethylbenzene	ND		0.00916	1	09/29/2024 14:03	WG2372071
Vinyl chloride	ND		0.00458	1	09/29/2024 14:03	WG2372071
Xylenes, Total	ND		0.0119	1	09/29/2024 14:03	WG2372071
(S) Toluene-d8	*97.6*		*75.0-131*		*09/29/2024 14:03*	WG2372071
(S) 4-Bromofluorobenzene	*99.4*		*67.0-138*		*09/29/2024 14:03*	WG2372071
(S) 1,2-Dichloroethane-d4	*81.1*		*70.0-130*		*09/29/2024 14:03*	WG2372071

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0455	1	10/04/2024 01:58	WG2374327
Acenaphthylene	ND		0.0455	1	10/04/2024 01:58	WG2374327
Anthracene	ND		0.0455	1	10/04/2024 01:58	WG2374327
Benzidine	ND		2.28	1	10/04/2024 01:58	WG2374327
Benzo(a)anthracene	ND		0.0455	1	10/04/2024 01:58	WG2374327
Benzo(b)fluoranthene	ND		0.0455	1	10/04/2024 01:58	WG2374327
Benzo(k)fluoranthene	ND		0.0455	1	10/04/2024 01:58	WG2374327
Benzo(g,h,i)perylene	ND		0.0455	1	10/04/2024 01:58	WG2374327
Benzo(a)pyrene	ND		0.0455	1	10/04/2024 01:58	WG2374327
Bis(2-chlorethoxy)methane	ND		0.455	1	10/04/2024 01:58	WG2374327
Bis(2-chloroethyl)ether	ND		0.455	1	10/04/2024 01:58	WG2374327
2,2-Oxybis(1-Chloropropane)	ND		0.455	1	10/04/2024 01:58	WG2374327
4-Bromophenyl-phenylether	ND		0.455	1	10/04/2024 01:58	WG2374327
2-Chloronaphthalene	ND		0.0455	1	10/04/2024 01:58	WG2374327
4-Chlorophenyl-phenylether	ND		0.455	1	10/04/2024 01:58	WG2374327
Chrysene	ND		0.0455	1	10/04/2024 01:58	WG2374327
Dibenz(a,h)anthracene	ND		0.0455	1	10/04/2024 01:58	WG2374327
3,3-Dichlorobenzidine	ND		0.455	1	10/04/2024 01:58	WG2374327
2,4-Dinitrotoluene	ND		0.455	1	10/04/2024 01:58	WG2374327
2,6-Dinitrotoluene	ND		0.455	1	10/04/2024 01:58	WG2374327
Fluoranthene	ND		0.0455	1	10/04/2024 01:58	WG2374327
Fluorene	ND		0.0455	1	10/04/2024 01:58	WG2374327
Hexachlorobenzene	ND		0.455	1	10/04/2024 01:58	WG2374327
Hexachloro-1,3-butadiene	ND		0.455	1	10/04/2024 01:58	WG2374327
Hexachlorocyclopentadiene	ND		0.455	1	10/04/2024 01:58	WG2374327
Hexachloroethane	ND		0.455	1	10/04/2024 01:58	WG2374327
Indeno(1,2,3-cd)pyrene	ND		0.0455	1	10/04/2024 01:58	WG2374327
Isophorone	ND		0.455	1	10/04/2024 01:58	WG2374327
Naphthalene	ND		0.0455	1	10/04/2024 01:58	WG2374327
Nitrobenzene	ND		0.455	1	10/04/2024 01:58	WG2374327
n-Nitrosodimethylamine	ND		0.455	1	10/04/2024 01:58	WG2374327
n-Nitrosodiphenylamine	ND		0.455	1	10/04/2024 01:58	WG2374327
n-Nitrosodi-n-propylamine	ND		0.455	1	10/04/2024 01:58	WG2374327
Phenanthrene	ND		0.0455	1	10/04/2024 01:58	WG2374327
Benzylbutyl phthalate	ND		0.455	1	10/04/2024 01:58	WG2374327
Bis(2-ethylhexyl)phthalate	ND		0.455	1	10/04/2024 01:58	WG2374327
Di-n-butyl phthalate	ND		0.455	1	10/04/2024 01:58	WG2374327
Diethyl phthalate	ND		0.455	1	10/04/2024 01:58	WG2374327
Dimethyl phthalate	ND		0.455	1	10/04/2024 01:58	WG2374327
Di-n-octyl phthalate	ND		0.455	1	10/04/2024 01:58	WG2374327
Pyrene	ND		0.0455	1	10/04/2024 01:58	WG2374327
1,2,4-Trichlorobenzene	ND		0.455	1	10/04/2024 01:58	WG2374327

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Chloro-3-methylphenol	ND		0.455	1	10/04/2024 01:58	WG2374327
2-Chlorophenol	ND		0.455	1	10/04/2024 01:58	WG2374327
2,4-Dichlorophenol	ND		0.455	1	10/04/2024 01:58	WG2374327
2,4-Dimethylphenol	ND		0.455	1	10/04/2024 01:58	WG2374327
4,6-Dinitro-2-methylphenol	ND		0.455	1	10/04/2024 01:58	WG2374327
2,4-Dinitrophenol	ND		0.455	1	10/04/2024 01:58	WG2374327
2-Nitrophenol	ND		0.455	1	10/04/2024 01:58	WG2374327
4-Nitrophenol	ND		0.455	1	10/04/2024 01:58	WG2374327
Pentachlorophenol	ND		0.455	1	10/04/2024 01:58	WG2374327
Phenol	ND		0.455	1	10/04/2024 01:58	WG2374327
2,4,6-Trichlorophenol	ND		0.455	1	10/04/2024 01:58	WG2374327
(S) 2-Fluorophenol	*59.8*		*12.0-120*		*10/04/2024 01:58*	WG2374327
(S) Phenol-d5	*53.8*		*10.0-120*		*10/04/2024 01:58*	WG2374327
(S) Nitrobenzene-d5	*51.8*		*10.0-122*		*10/04/2024 01:58*	WG2374327
(S) 2-Fluorobiphenyl	*47.2*		*15.0-120*		*10/04/2024 01:58*	WG2374327
(S) 2,4,6-Tribromophenol	*48.2*		*10.0-127*		*10/04/2024 01:58*	WG2374327
(S) p-Terphenyl-d14	*57.1*		*10.0-120*		*10/04/2024 01:58*	WG2374327

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.137	1	09/28/2024 19:55	WG2371670
(S) Nitrobenzene-d5	*74.2*		*10.0-120*		*09/28/2024 19:55*	WG2371670

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chromium,Trivalent	24.3		1.41	1	10/07/2024 21:37	WG2371056

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	70.8		1	09/27/2024 09:25	WG2371002

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		14.1	1	10/02/2024 11:02	WG2371177

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.41	1	09/30/2024 02:06	WG2371401

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate as (N)	ND		14.7	1.04	09/28/2024 13:48	WG2370810
Sulfate	ND		73.4	1.04	09/28/2024 13:48	WG2370810

Mercury by Method 7471B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	ND		0.0565	1	09/28/2024 14:36	WG2371210

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Antimony	ND		4.24	5	10/07/2024 21:37	WG2371056
Arsenic	1.74		1.41	5	10/07/2024 21:37	WG2371056
Barium	101		3.53	5	10/07/2024 21:37	WG2371056
Beryllium	ND		3.53	5	10/07/2024 21:37	WG2371056
Cadmium	ND		1.41	5	10/07/2024 21:37	WG2371056
Chromium	24.3		7.06	5	10/07/2024 21:37	WG2371056
Cobalt	9.60		1.41	5	10/07/2024 21:37	WG2371056
Copper	9.17		7.06	5	10/07/2024 21:37	WG2371056
Lead	15.5		2.82	5	10/07/2024 21:37	WG2371056
Manganese	363		7.06	10	10/08/2024 02:04	WG2371056
Nickel	10.1		3.53	5	10/07/2024 21:37	WG2371056
Selenium	ND		3.53	5	10/07/2024 21:37	WG2371056
Silver	ND		0.706	5	10/07/2024 21:37	WG2371056
Thallium	ND		2.82	5	10/07/2024 21:37	WG2371056
Vanadium	36.1		3.53	5	10/07/2024 21:37	WG2371056
Zinc	ND		35.3	5	10/07/2024 21:37	WG2371056

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0986	1	09/29/2024 14:22	WG2372071
Acrylonitrile	ND		0.0246	1	09/29/2024 14:22	WG2372071
Benzene	ND		0.00197	1	09/29/2024 14:22	WG2372071
Bromobenzene	ND		0.0246	1	09/29/2024 14:22	WG2372071
Bromodichloromethane	ND		0.00493	1	09/29/2024 14:22	WG2372071
Bromoform	ND		0.0493	1	09/29/2024 14:22	WG2372071
Bromomethane	ND		0.0246	1	09/29/2024 14:22	WG2372071
n-Butylbenzene	ND		0.0246	1	09/29/2024 14:22	WG2372071
sec-Butylbenzene	ND		0.0246	1	09/29/2024 14:22	WG2372071
tert-Butylbenzene	ND		0.00986	1	09/29/2024 14:22	WG2372071
Carbon tetrachloride	ND		0.00986	1	09/29/2024 14:22	WG2372071
Chlorobenzene	ND		0.00493	1	09/29/2024 14:22	WG2372071
Chlorodibromomethane	ND		0.00493	1	09/29/2024 14:22	WG2372071
Chloroethane	ND		0.00986	1	09/29/2024 14:22	WG2372071
Chloroform	ND		0.00493	1	09/29/2024 14:22	WG2372071
Chloromethane	ND		0.0246	1	09/29/2024 14:22	WG2372071
2-Chlorotoluene	ND		0.00493	1	09/29/2024 14:22	WG2372071
4-Chlorotoluene	ND		0.00986	1	09/29/2024 14:22	WG2372071
1,2-Dibromo-3-Chloropropane	ND		0.0493	1	09/29/2024 14:22	WG2372071
1,2-Dibromoethane	ND		0.00493	1	09/29/2024 14:22	WG2372071
Dibromomethane	ND		0.00986	1	09/29/2024 14:22	WG2372071
1,2-Dichlorobenzene	ND		0.00986	1	09/29/2024 14:22	WG2372071
1,3-Dichlorobenzene	ND		0.00986	1	09/29/2024 14:22	WG2372071
1,4-Dichlorobenzene	ND		0.00986	1	09/29/2024 14:22	WG2372071
Dichlorodifluoromethane	ND		0.00986	1	09/29/2024 14:22	WG2372071
1,1-Dichloroethane	ND		0.00493	1	09/29/2024 14:22	WG2372071
1,2-Dichloroethane	ND		0.00493	1	09/29/2024 14:22	WG2372071
1,1-Dichloroethene	ND		0.00493	1	09/29/2024 14:22	WG2372071
cis-1,2-Dichloroethene	ND		0.00493	1	09/29/2024 14:22	WG2372071
trans-1,2-Dichloroethene	ND		0.00986	1	09/29/2024 14:22	WG2372071
1,2-Dichloropropane	ND		0.00986	1	09/29/2024 14:22	WG2372071
1,1-Dichloropropene	ND		0.00493	1	09/29/2024 14:22	WG2372071
1,3-Dichloropropane	ND		0.00986	1	09/29/2024 14:22	WG2372071
cis-1,3-Dichloropropene	ND		0.00493	1	09/29/2024 14:22	WG2372071
trans-1,3-Dichloropropene	ND		0.00986	1	09/29/2024 14:22	WG2372071
2,2-Dichloropropane	ND		0.00493	1	09/29/2024 14:22	WG2372071
Di-isopropyl ether	ND		0.00197	1	09/29/2024 14:22	WG2372071
Ethylbenzene	ND		0.00493	1	09/29/2024 14:22	WG2372071
Hexachloro-1,3-butadiene	ND		0.0493	1	09/29/2024 14:22	WG2372071
Isopropylbenzene	ND		0.00493	1	09/29/2024 14:22	WG2372071
p-Isopropyltoluene	ND		0.00986	1	09/29/2024 14:22	WG2372071
2-Butanone (MEK)	ND		0.197	1	09/29/2024 14:22	WG2372071
Methylene Chloride	ND		0.0493	1	09/29/2024 14:22	WG2372071
4-Methyl-2-pentanone (MIBK)	ND		0.0493	1	09/29/2024 14:22	WG2372071
Methyl tert-butyl ether	ND		0.00197	1	09/29/2024 14:22	WG2372071
Naphthalene	ND		0.0246	1	09/29/2024 14:22	WG2372071
n-Propylbenzene	ND		0.00986	1	09/29/2024 14:22	WG2372071
Styrene	ND		0.0246	1	09/29/2024 14:22	WG2372071
1,1,1,2-Tetrachloroethane	ND		0.00493	1	09/29/2024 14:22	WG2372071
1,1,2,2-Tetrachloroethane	ND		0.00493	1	09/29/2024 14:22	WG2372071
Tetrachloroethene	ND		0.00493	1	09/29/2024 14:22	WG2372071
Toluene	ND		0.00986	1	09/29/2024 14:22	WG2372071
1,2,3-Trichlorobenzene	ND		0.0246	1	09/29/2024 14:22	WG2372071
1,2,4-Trichlorobenzene	ND		0.0246	1	09/29/2024 14:22	WG2372071
1,1,1-Trichloroethane	ND		0.00493	1	09/29/2024 14:22	WG2372071
1,1,2-Trichloroethane	ND		0.00493	1	09/29/2024 14:22	WG2372071

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Trichloroethene	ND	J4	0.00197	1	09/29/2024 14:22	WG2372071
Trichlorofluoromethane	ND		0.00493	1	09/29/2024 14:22	WG2372071
1,2,3-Trichloropropane	ND		0.0246	1	09/29/2024 14:22	WG2372071
1,2,4-Trimethylbenzene	ND		0.00986	1	09/29/2024 14:22	WG2372071
1,3,5-Trimethylbenzene	ND		0.00986	1	09/29/2024 14:22	WG2372071
Vinyl chloride	ND		0.00493	1	09/29/2024 14:22	WG2372071
Xylenes, Total	ND		0.0128	1	09/29/2024 14:22	WG2372071
(S) Toluene-d8	*97.7*		*75.0-131*		*09/29/2024 14:22*	WG2372071
(S) 4-Bromofluorobenzene	*97.2*		*67.0-138*		*09/29/2024 14:22*	WG2372071
(S) 1,2-Dichloroethane-d4	*80.6*		*70.0-130*		*09/29/2024 14:22*	WG2372071

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0470	1	10/03/2024 21:45	WG2374327
Acenaphthylene	ND		0.0470	1	10/03/2024 21:45	WG2374327
Anthracene	ND		0.0470	1	10/03/2024 21:45	WG2374327
Benzidine	ND		2.36	1	10/03/2024 21:45	WG2374327
Benzo(a)anthracene	ND		0.0470	1	10/03/2024 21:45	WG2374327
Benzo(b)fluoranthene	ND		0.0470	1	10/03/2024 21:45	WG2374327
Benzo(k)fluoranthene	ND		0.0470	1	10/03/2024 21:45	WG2374327
Benzo(g,h,i)perylene	ND		0.0470	1	10/03/2024 21:45	WG2374327
Benzo(a)pyrene	ND		0.0470	1	10/03/2024 21:45	WG2374327
Bis(2-chlorethoxy)methane	ND		0.470	1	10/03/2024 21:45	WG2374327
Bis(2-chloroethyl)ether	ND		0.470	1	10/03/2024 21:45	WG2374327
2,2-Oxybis(1-Chloropropane)	ND		0.470	1	10/03/2024 21:45	WG2374327
4-Bromophenyl-phenylether	ND		0.470	1	10/03/2024 21:45	WG2374327
2-Chloronaphthalene	ND		0.0470	1	10/03/2024 21:45	WG2374327
4-Chlorophenyl-phenylether	ND		0.470	1	10/03/2024 21:45	WG2374327
Chrysene	ND		0.0470	1	10/03/2024 21:45	WG2374327
Dibenz(a,h)anthracene	ND		0.0470	1	10/03/2024 21:45	WG2374327
3,3-Dichlorobenzidine	ND		0.470	1	10/03/2024 21:45	WG2374327
2,4-Dinitrotoluene	ND		0.470	1	10/03/2024 21:45	WG2374327
2,6-Dinitrotoluene	ND		0.470	1	10/03/2024 21:45	WG2374327
Fluoranthene	ND		0.0470	1	10/03/2024 21:45	WG2374327
Fluorene	ND		0.0470	1	10/03/2024 21:45	WG2374327
Hexachlorobenzene	ND		0.470	1	10/03/2024 21:45	WG2374327
Hexachloro-1,3-butadiene	ND		0.470	1	10/03/2024 21:45	WG2374327
Hexachlorocyclopentadiene	ND		0.470	1	10/03/2024 21:45	WG2374327
Hexachloroethane	ND		0.470	1	10/03/2024 21:45	WG2374327
Indeno(1,2,3-cd)pyrene	ND		0.0470	1	10/03/2024 21:45	WG2374327
Isophorone	ND		0.470	1	10/03/2024 21:45	WG2374327
Naphthalene	ND		0.0470	1	10/03/2024 21:45	WG2374327
Nitrobenzene	ND		0.470	1	10/03/2024 21:45	WG2374327
n-Nitrosodimethylamine	ND		0.470	1	10/03/2024 21:45	WG2374327
n-Nitrosodiphenylamine	ND		0.470	1	10/03/2024 21:45	WG2374327
n-Nitrosodi-n-propylamine	ND		0.470	1	10/03/2024 21:45	WG2374327
Phenanthrene	ND		0.0470	1	10/03/2024 21:45	WG2374327
Benzylbutyl phthalate	ND		0.470	1	10/03/2024 21:45	WG2374327
Bis(2-ethylhexyl)phthalate	ND		0.470	1	10/03/2024 21:45	WG2374327
Di-n-butyl phthalate	ND		0.470	1	10/03/2024 21:45	WG2374327
Diethyl phthalate	ND		0.470	1	10/03/2024 21:45	WG2374327
Dimethyl phthalate	ND		0.470	1	10/03/2024 21:45	WG2374327
Di-n-octyl phthalate	ND		0.470	1	10/03/2024 21:45	WG2374327
Pyrene	ND		0.0470	1	10/03/2024 21:45	WG2374327
1,2,4-Trichlorobenzene	ND		0.470	1	10/03/2024 21:45	WG2374327

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Chloro-3-methylphenol	ND		0.470	1	10/03/2024 21:45	WG2374327
2-Chlorophenol	ND		0.470	1	10/03/2024 21:45	WG2374327
2,4-Dichlorophenol	ND		0.470	1	10/03/2024 21:45	WG2374327
2,4-Dimethylphenol	ND		0.470	1	10/03/2024 21:45	WG2374327
4,6-Dinitro-2-methylphenol	ND		0.470	1	10/03/2024 21:45	WG2374327
2,4-Dinitrophenol	ND		0.470	1	10/03/2024 21:45	WG2374327
2-Nitrophenol	ND		0.470	1	10/03/2024 21:45	WG2374327
4-Nitrophenol	ND		0.470	1	10/03/2024 21:45	WG2374327
Pentachlorophenol	ND		0.470	1	10/03/2024 21:45	WG2374327
Phenol	ND		0.470	1	10/03/2024 21:45	WG2374327
2,4,6-Trichlorophenol	ND		0.470	1	10/03/2024 21:45	WG2374327
(S) 2-Fluorophenol	*56.5*		*12.0-120*		*10/03/2024 21:45*	WG2374327
(S) Phenol-d5	*52.2*		*10.0-120*		*10/03/2024 21:45*	WG2374327
(S) Nitrobenzene-d5	*48.8*		*10.0-122*		*10/03/2024 21:45*	WG2374327
(S) 2-Fluorobiphenyl	*47.5*		*15.0-120*		*10/03/2024 21:45*	WG2374327
(S) 2,4,6-Tribromophenol	*41.5*		*10.0-127*		*10/03/2024 21:45*	WG2374327
(S) p-Terphenyl-d14	*54.0*		*10.0-120*		*10/03/2024 21:45*	WG2374327

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.141	1	09/28/2024 20:14	WG2371670
(S) Nitrobenzene-d5	*69.3*		*10.0-120*		*09/28/2024 20:14*	WG2371670

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chromium,Trivalent	21.3		1.34	1	10/07/2024 21:40	WG2371056

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	74.6		1	09/27/2024 09:25	WG2371002

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		13.4	1	10/02/2024 11:03	WG2371177

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.34	1	09/30/2024 02:12	WG2371401

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate as (N)	ND		13.4	1	09/28/2024 14:06	WG2370810
Sulfate	ND		67.0	1	09/28/2024 14:06	WG2370810

Mercury by Method 7471B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	ND		0.0536	1	09/28/2024 14:39	WG2371210

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Antimony	ND		4.02	5	10/07/2024 21:40	WG2371056
Arsenic	ND		1.34	5	10/07/2024 21:40	WG2371056
Barium	82.0		3.35	5	10/07/2024 21:40	WG2371056
Beryllium	ND		3.35	5	10/07/2024 21:40	WG2371056
Cadmium	ND		1.34	5	10/07/2024 21:40	WG2371056
Chromium	21.3		6.70	5	10/07/2024 21:40	WG2371056
Cobalt	8.08		1.34	5	10/07/2024 21:40	WG2371056
Copper	7.37		6.70	5	10/07/2024 21:40	WG2371056
Lead	13.1		2.68	5	10/07/2024 21:40	WG2371056
Manganese	290		6.70	10	10/08/2024 02:07	WG2371056
Nickel	7.57		3.35	5	10/07/2024 21:40	WG2371056
Selenium	ND		3.35	5	10/07/2024 21:40	WG2371056
Silver	ND		0.670	5	10/07/2024 21:40	WG2371056
Thallium	ND		2.68	5	10/07/2024 21:40	WG2371056
Vanadium	29.7		3.35	5	10/07/2024 21:40	WG2371056
Zinc	ND		33.5	5	10/07/2024 21:40	WG2371056

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0860	1	09/29/2024 14:41	WG2372071
Acrylonitrile	ND		0.0215	1	09/29/2024 14:41	WG2372071
Benzene	ND		0.00172	1	09/29/2024 14:41	WG2372071
Bromobenzene	ND		0.0215	1	09/29/2024 14:41	WG2372071
Bromodichloromethane	ND		0.00430	1	09/29/2024 14:41	WG2372071
Bromoform	ND		0.0430	1	09/29/2024 14:41	WG2372071
Bromomethane	ND		0.0215	1	09/29/2024 14:41	WG2372071
n-Butylbenzene	ND		0.0215	1	09/29/2024 14:41	WG2372071
sec-Butylbenzene	ND		0.0215	1	09/29/2024 14:41	WG2372071
tert-Butylbenzene	ND		0.00860	1	09/29/2024 14:41	WG2372071
Carbon tetrachloride	ND		0.00860	1	09/29/2024 14:41	WG2372071
Chlorobenzene	ND		0.00430	1	09/29/2024 14:41	WG2372071
Chlorodibromomethane	ND		0.00430	1	09/29/2024 14:41	WG2372071
Chloroethane	ND		0.00860	1	09/29/2024 14:41	WG2372071
Chloroform	ND		0.00430	1	09/29/2024 14:41	WG2372071
Chloromethane	ND		0.0215	1	09/29/2024 14:41	WG2372071
2-Chlorotoluene	ND		0.00430	1	09/29/2024 14:41	WG2372071
4-Chlorotoluene	ND		0.00860	1	09/29/2024 14:41	WG2372071
1,2-Dibromo-3-Chloropropane	ND		0.0430	1	09/29/2024 14:41	WG2372071
1,2-Dibromoethane	ND		0.00430	1	09/29/2024 14:41	WG2372071
Dibromomethane	ND		0.00860	1	09/29/2024 14:41	WG2372071
1,2-Dichlorobenzene	ND		0.00860	1	09/29/2024 14:41	WG2372071
1,3-Dichlorobenzene	ND		0.00860	1	09/29/2024 14:41	WG2372071
1,4-Dichlorobenzene	ND		0.00860	1	09/29/2024 14:41	WG2372071
Dichlorodifluoromethane	ND		0.00860	1	09/29/2024 14:41	WG2372071
1,1-Dichloroethane	ND		0.00430	1	09/29/2024 14:41	WG2372071
1,2-Dichloroethane	ND		0.00430	1	09/29/2024 14:41	WG2372071
1,1-Dichloroethene	ND		0.00430	1	09/29/2024 14:41	WG2372071
cis-1,2-Dichloroethene	ND		0.00430	1	09/29/2024 14:41	WG2372071
trans-1,2-Dichloroethene	ND		0.00860	1	09/29/2024 14:41	WG2372071
1,2-Dichloropropane	ND		0.00860	1	09/29/2024 14:41	WG2372071
1,1-Dichloropropene	ND		0.00430	1	09/29/2024 14:41	WG2372071
1,3-Dichloropropane	ND		0.00860	1	09/29/2024 14:41	WG2372071
cis-1,3-Dichloropropene	ND		0.00430	1	09/29/2024 14:41	WG2372071
trans-1,3-Dichloropropene	ND		0.00860	1	09/29/2024 14:41	WG2372071
2,2-Dichloropropane	ND		0.00430	1	09/29/2024 14:41	WG2372071
Di-isopropyl ether	ND		0.00172	1	09/29/2024 14:41	WG2372071
Ethylbenzene	ND		0.00430	1	09/29/2024 14:41	WG2372071
Hexachloro-1,3-butadiene	ND		0.0430	1	09/29/2024 14:41	WG2372071
Isopropylbenzene	ND		0.00430	1	09/29/2024 14:41	WG2372071
p-Isopropyltoluene	ND		0.00860	1	09/29/2024 14:41	WG2372071
2-Butanone (MEK)	ND		0.172	1	09/29/2024 14:41	WG2372071
Methylene Chloride	ND		0.0430	1	09/29/2024 14:41	WG2372071
4-Methyl-2-pentanone (MIBK)	ND		0.0430	1	09/29/2024 14:41	WG2372071
Methyl tert-butyl ether	ND		0.00172	1	09/29/2024 14:41	WG2372071
Naphthalene	ND		0.0215	1	09/29/2024 14:41	WG2372071
n-Propylbenzene	ND		0.00860	1	09/29/2024 14:41	WG2372071
Styrene	ND		0.0215	1	09/29/2024 14:41	WG2372071
1,1,1,2-Tetrachloroethane	ND		0.00430	1	09/29/2024 14:41	WG2372071
1,1,2,2-Tetrachloroethane	ND		0.00430	1	09/29/2024 14:41	WG2372071
Tetrachloroethene	ND		0.00430	1	09/29/2024 14:41	WG2372071
Toluene	ND		0.00860	1	09/29/2024 14:41	WG2372071
1,2,3-Trichlorobenzene	ND		0.0215	1	09/29/2024 14:41	WG2372071
1,2,4-Trichlorobenzene	ND		0.0215	1	09/29/2024 14:41	WG2372071
1,1,1-Trichloroethane	ND		0.00430	1	09/29/2024 14:41	WG2372071
1,1,2-Trichloroethane	ND		0.00430	1	09/29/2024 14:41	WG2372071

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Trichloroethene	ND	J4	0.00172	1	09/29/2024 14:41	WG2372071
Trichlorofluoromethane	ND		0.00430	1	09/29/2024 14:41	WG2372071
1,2,3-Trichloropropane	ND		0.0215	1	09/29/2024 14:41	WG2372071
1,2,4-Trimethylbenzene	ND		0.00860	1	09/29/2024 14:41	WG2372071
1,3,5-Trimethylbenzene	ND		0.00860	1	09/29/2024 14:41	WG2372071
Vinyl chloride	ND		0.00430	1	09/29/2024 14:41	WG2372071
Xylenes, Total	ND		0.0112	1	09/29/2024 14:41	WG2372071
(S) Toluene-d8	*98.3*		*75.0-131*		*09/29/2024 14:41*	WG2372071
(S) 4-Bromofluorobenzene	*99.9*		*67.0-138*		*09/29/2024 14:41*	WG2372071
(S) 1,2-Dichloroethane-d4	*74.9*		*70.0-130*		*09/29/2024 14:41*	WG2372071

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0447	1	10/03/2024 22:06	WG2374327
Acenaphthylene	ND		0.0447	1	10/03/2024 22:06	WG2374327
Anthracene	ND		0.0447	1	10/03/2024 22:06	WG2374327
Benzidine	ND		2.24	1	10/03/2024 22:06	WG2374327
Benzo(a)anthracene	ND		0.0447	1	10/03/2024 22:06	WG2374327
Benzo(b)fluoranthene	ND		0.0447	1	10/03/2024 22:06	WG2374327
Benzo(k)fluoranthene	ND		0.0447	1	10/03/2024 22:06	WG2374327
Benzo(g,h,i)perylene	ND		0.0447	1	10/03/2024 22:06	WG2374327
Benzo(a)pyrene	ND		0.0447	1	10/03/2024 22:06	WG2374327
Bis(2-chlorethoxy)methane	ND		0.447	1	10/03/2024 22:06	WG2374327
Bis(2-chloroethyl)ether	ND		0.447	1	10/03/2024 22:06	WG2374327
2,2-Oxybis(1-Chloropropane)	ND		0.447	1	10/03/2024 22:06	WG2374327
4-Bromophenyl-phenylether	ND		0.447	1	10/03/2024 22:06	WG2374327
2-Chloronaphthalene	ND		0.0447	1	10/03/2024 22:06	WG2374327
4-Chlorophenyl-phenylether	ND		0.447	1	10/03/2024 22:06	WG2374327
Chrysene	ND		0.0447	1	10/03/2024 22:06	WG2374327
Dibenz(a,h)anthracene	ND		0.0447	1	10/03/2024 22:06	WG2374327
3,3-Dichlorobenzidine	ND		0.447	1	10/03/2024 22:06	WG2374327
2,4-Dinitrotoluene	ND		0.447	1	10/03/2024 22:06	WG2374327
2,6-Dinitrotoluene	ND		0.447	1	10/03/2024 22:06	WG2374327
Fluoranthene	ND		0.0447	1	10/03/2024 22:06	WG2374327
Fluorene	ND		0.0447	1	10/03/2024 22:06	WG2374327
Hexachlorobenzene	ND		0.447	1	10/03/2024 22:06	WG2374327
Hexachloro-1,3-butadiene	ND		0.447	1	10/03/2024 22:06	WG2374327
Hexachlorocyclopentadiene	ND		0.447	1	10/03/2024 22:06	WG2374327
Hexachloroethane	ND		0.447	1	10/03/2024 22:06	WG2374327
Indeno(1,2,3-cd)pyrene	ND		0.0447	1	10/03/2024 22:06	WG2374327
Isophorone	ND		0.447	1	10/03/2024 22:06	WG2374327
Naphthalene	ND		0.0447	1	10/03/2024 22:06	WG2374327
Nitrobenzene	ND		0.447	1	10/03/2024 22:06	WG2374327
n-Nitrosodimethylamine	ND		0.447	1	10/03/2024 22:06	WG2374327
n-Nitrosodiphenylamine	ND		0.447	1	10/03/2024 22:06	WG2374327
n-Nitrosodi-n-propylamine	ND		0.447	1	10/03/2024 22:06	WG2374327
Phenanthrene	ND		0.0447	1	10/03/2024 22:06	WG2374327
Benzylbutyl phthalate	ND		0.447	1	10/03/2024 22:06	WG2374327
Bis(2-ethylhexyl)phthalate	ND		0.447	1	10/03/2024 22:06	WG2374327
Di-n-butyl phthalate	ND		0.447	1	10/03/2024 22:06	WG2374327
Diethyl phthalate	ND		0.447	1	10/03/2024 22:06	WG2374327
Dimethyl phthalate	ND		0.447	1	10/03/2024 22:06	WG2374327
Di-n-octyl phthalate	ND		0.447	1	10/03/2024 22:06	WG2374327
Pyrene	ND		0.0447	1	10/03/2024 22:06	WG2374327
1,2,4-Trichlorobenzene	ND		0.447	1	10/03/2024 22:06	WG2374327

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Chloro-3-methylphenol	ND		0.447	1	10/03/2024 22:06	WG2374327
2-Chlorophenol	ND		0.447	1	10/03/2024 22:06	WG2374327
2,4-Dichlorophenol	ND		0.447	1	10/03/2024 22:06	WG2374327
2,4-Dimethylphenol	ND		0.447	1	10/03/2024 22:06	WG2374327
4,6-Dinitro-2-methylphenol	ND		0.447	1	10/03/2024 22:06	WG2374327
2,4-Dinitrophenol	ND		0.447	1	10/03/2024 22:06	WG2374327
2-Nitrophenol	ND		0.447	1	10/03/2024 22:06	WG2374327
4-Nitrophenol	ND		0.447	1	10/03/2024 22:06	WG2374327
Pentachlorophenol	ND		0.447	1	10/03/2024 22:06	WG2374327
Phenol	ND		0.447	1	10/03/2024 22:06	WG2374327
2,4,6-Trichlorophenol	ND		0.447	1	10/03/2024 22:06	WG2374327
(S) 2-Fluorophenol	*61.0*		*12.0-120*		*10/03/2024 22:06*	WG2374327
(S) Phenol-d5	*55.4*		*10.0-120*		*10/03/2024 22:06*	WG2374327
(S) Nitrobenzene-d5	*50.0*		*10.0-122*		*10/03/2024 22:06*	WG2374327
(S) 2-Fluorobiphenyl	*48.1*		*15.0-120*		*10/03/2024 22:06*	WG2374327
(S) 2,4,6-Tribromophenol	*46.0*		*10.0-127*		*10/03/2024 22:06*	WG2374327
(S) p-Terphenyl-d14	*55.6*		*10.0-120*		*10/03/2024 22:06*	WG2374327

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.134	1	09/28/2024 20:33	WG2371670
(S) Nitrobenzene-d5	*66.3*		*10.0-120*		*09/28/2024 20:33*	WG2371670

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chromium,Trivalent	22.6		1.29	1	10/07/2024 21:43	WG2371056

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	77.2		1	09/27/2024 09:25	WG2371002

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		12.9	1	10/02/2024 11:04	WG2371177

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.29	1	09/30/2024 02:18	WG2371401

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate as (N)	ND		13.5	1.04	09/28/2024 14:24	WG2370810
Sulfate	ND		67.3	1.04	09/28/2024 14:24	WG2370810

Mercury by Method 7471B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	ND		0.0518	1	09/28/2024 14:41	WG2371210

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Antimony	ND		3.88	5	10/07/2024 21:43	WG2371056
Arsenic	1.66		1.29	5	10/07/2024 21:43	WG2371056
Barium	99.3		3.24	5	10/07/2024 21:43	WG2371056
Beryllium	ND		3.24	5	10/07/2024 21:43	WG2371056
Cadmium	ND		1.29	5	10/07/2024 21:43	WG2371056
Chromium	22.6		6.47	5	10/07/2024 21:43	WG2371056
Cobalt	13.1		1.29	5	10/07/2024 21:43	WG2371056
Copper	13.2		6.47	5	10/07/2024 21:43	WG2371056
Lead	26.4		2.59	5	10/07/2024 21:43	WG2371056
Manganese	544		12.9	20	10/08/2024 02:10	WG2371056
Nickel	9.09		3.24	5	10/07/2024 21:43	WG2371056
Selenium	ND		3.24	5	10/07/2024 21:43	WG2371056
Silver	ND		0.647	5	10/07/2024 21:43	WG2371056
Thallium	ND		2.59	5	10/07/2024 21:43	WG2371056
Vanadium	34.0		3.24	5	10/07/2024 21:43	WG2371056
Zinc	43.7		32.4	5	10/07/2024 21:43	WG2371056

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0827	1	09/29/2024 15:00	WG2372071
Acrylonitrile	ND		0.0207	1	09/29/2024 15:00	WG2372071
Benzene	ND		0.00165	1	09/29/2024 15:00	WG2372071
Bromobenzene	ND		0.0207	1	09/29/2024 15:00	WG2372071
Bromodichloromethane	ND		0.00414	1	09/29/2024 15:00	WG2372071
Bromoform	ND		0.0414	1	09/29/2024 15:00	WG2372071
Bromomethane	ND		0.0207	1	09/29/2024 15:00	WG2372071
n-Butylbenzene	ND		0.0207	1	09/29/2024 15:00	WG2372071
sec-Butylbenzene	ND		0.0207	1	09/29/2024 15:00	WG2372071
tert-Butylbenzene	ND		0.00827	1	09/29/2024 15:00	WG2372071
Carbon tetrachloride	ND		0.00827	1	09/29/2024 15:00	WG2372071
Chlorobenzene	ND		0.00414	1	09/29/2024 15:00	WG2372071
Chlorodibromomethane	ND		0.00414	1	09/29/2024 15:00	WG2372071
Chloroethane	ND		0.00827	1	09/29/2024 15:00	WG2372071
Chloroform	ND		0.00414	1	09/29/2024 15:00	WG2372071
Chloromethane	ND		0.0207	1	09/29/2024 15:00	WG2372071
2-Chlorotoluene	ND		0.00414	1	09/29/2024 15:00	WG2372071
4-Chlorotoluene	ND		0.00827	1	09/29/2024 15:00	WG2372071
1,2-Dibromo-3-Chloropropane	ND		0.0414	1	09/29/2024 15:00	WG2372071
1,2-Dibromoethane	ND		0.00414	1	09/29/2024 15:00	WG2372071
Dibromomethane	ND		0.00827	1	09/29/2024 15:00	WG2372071
1,2-Dichlorobenzene	ND		0.00827	1	09/29/2024 15:00	WG2372071
1,3-Dichlorobenzene	ND		0.00827	1	09/29/2024 15:00	WG2372071
1,4-Dichlorobenzene	ND		0.00827	1	09/29/2024 15:00	WG2372071
Dichlorodifluoromethane	ND		0.00827	1	09/29/2024 15:00	WG2372071
1,1-Dichloroethane	ND		0.00414	1	09/29/2024 15:00	WG2372071
1,2-Dichloroethane	ND		0.00414	1	09/29/2024 15:00	WG2372071
1,1-Dichloroethene	ND		0.00414	1	09/29/2024 15:00	WG2372071
cis-1,2-Dichloroethene	ND		0.00414	1	09/29/2024 15:00	WG2372071
trans-1,2-Dichloroethene	ND		0.00827	1	09/29/2024 15:00	WG2372071
1,2-Dichloropropane	ND		0.00827	1	09/29/2024 15:00	WG2372071
1,1-Dichloropropene	ND		0.00414	1	09/29/2024 15:00	WG2372071
1,3-Dichloropropane	ND		0.00827	1	09/29/2024 15:00	WG2372071
cis-1,3-Dichloropropene	ND		0.00414	1	09/29/2024 15:00	WG2372071
trans-1,3-Dichloropropene	ND		0.00827	1	09/29/2024 15:00	WG2372071
2,2-Dichloropropane	ND		0.00414	1	09/29/2024 15:00	WG2372071
Di-isopropyl ether	ND		0.00165	1	09/29/2024 15:00	WG2372071
Ethylbenzene	ND		0.00414	1	09/29/2024 15:00	WG2372071
Hexachloro-1,3-butadiene	ND		0.0414	1	09/29/2024 15:00	WG2372071
Isopropylbenzene	ND		0.00414	1	09/29/2024 15:00	WG2372071
p-Isopropyltoluene	ND		0.00827	1	09/29/2024 15:00	WG2372071
2-Butanone (MEK)	ND		0.165	1	09/29/2024 15:00	WG2372071
Methylene Chloride	ND		0.0414	1	09/29/2024 15:00	WG2372071
4-Methyl-2-pentanone (MIBK)	ND		0.0414	1	09/29/2024 15:00	WG2372071
Methyl tert-butyl ether	ND		0.00165	1	09/29/2024 15:00	WG2372071
Naphthalene	ND		0.0207	1	09/29/2024 15:00	WG2372071
n-Propylbenzene	ND		0.00827	1	09/29/2024 15:00	WG2372071
Styrene	ND		0.0207	1	09/29/2024 15:00	WG2372071
1,1,1,2-Tetrachloroethane	ND		0.00414	1	09/29/2024 15:00	WG2372071
1,1,2,2-Tetrachloroethane	ND		0.00414	1	09/29/2024 15:00	WG2372071
Tetrachloroethene	ND		0.00414	1	09/29/2024 15:00	WG2372071
Toluene	ND		0.00827	1	09/29/2024 15:00	WG2372071
1,2,3-Trichlorobenzene	ND		0.0207	1	09/29/2024 15:00	WG2372071
1,2,4-Trichlorobenzene	ND		0.0207	1	09/29/2024 15:00	WG2372071
1,1,1-Trichloroethane	ND		0.00414	1	09/29/2024 15:00	WG2372071
1,1,2-Trichloroethane	ND		0.00414	1	09/29/2024 15:00	WG2372071

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Trichloroethene	ND	J4	0.00165	1	09/29/2024 15:00	WG2372071
Trichlorofluoromethane	ND		0.00414	1	09/29/2024 15:00	WG2372071
1,2,3-Trichloropropane	ND		0.0207	1	09/29/2024 15:00	WG2372071
1,2,4-Trimethylbenzene	ND		0.00827	1	09/29/2024 15:00	WG2372071
1,3,5-Trimethylbenzene	ND		0.00827	1	09/29/2024 15:00	WG2372071
Vinyl chloride	ND		0.00414	1	09/29/2024 15:00	WG2372071
Xylenes, Total	ND		0.0108	1	09/29/2024 15:00	WG2372071
(S) Toluene-d8	*96.1*		*75.0-131*		*09/29/2024 15:00*	WG2372071
(S) 4-Bromofluorobenzene	*97.4*		*67.0-138*		*09/29/2024 15:00*	WG2372071
(S) 1,2-Dichloroethane-d4	*80.6*		*70.0-130*		*09/29/2024 15:00*	WG2372071

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0431	1	10/03/2024 22:48	WG2374327
Acenaphthylene	ND		0.0431	1	10/03/2024 22:48	WG2374327
Anthracene	ND		0.0431	1	10/03/2024 22:48	WG2374327
Benzidine	ND	J3 J6	2.16	1	10/03/2024 22:48	WG2374327
Benzo(a)anthracene	ND		0.0431	1	10/03/2024 22:48	WG2374327
Benzo(b)fluoranthene	ND		0.0431	1	10/03/2024 22:48	WG2374327
Benzo(k)fluoranthene	ND		0.0431	1	10/03/2024 22:48	WG2374327
Benzo(g,h,i)perylene	ND		0.0431	1	10/03/2024 22:48	WG2374327
Benzo(a)pyrene	ND		0.0431	1	10/03/2024 22:48	WG2374327
Bis(2-chlorethoxy)methane	ND		0.431	1	10/03/2024 22:48	WG2374327
Bis(2-chloroethyl)ether	ND		0.431	1	10/03/2024 22:48	WG2374327
2,2-Oxybis(1-Chloropropane)	ND		0.431	1	10/03/2024 22:48	WG2374327
4-Bromophenyl-phenylether	ND		0.431	1	10/03/2024 22:48	WG2374327
2-Chloronaphthalene	ND		0.0431	1	10/03/2024 22:48	WG2374327
4-Chlorophenyl-phenylether	ND		0.431	1	10/03/2024 22:48	WG2374327
Chrysene	ND		0.0431	1	10/03/2024 22:48	WG2374327
Dibenz(a,h)anthracene	ND		0.0431	1	10/03/2024 22:48	WG2374327
3,3-Dichlorobenzidine	ND		0.431	1	10/03/2024 22:48	WG2374327
2,4-Dinitrotoluene	ND		0.431	1	10/03/2024 22:48	WG2374327
2,6-Dinitrotoluene	ND		0.431	1	10/03/2024 22:48	WG2374327
Fluoranthene	ND		0.0431	1	10/03/2024 22:48	WG2374327
Fluorene	ND		0.0431	1	10/03/2024 22:48	WG2374327
Hexachlorobenzene	ND		0.431	1	10/03/2024 22:48	WG2374327
Hexachloro-1,3-butadiene	ND		0.431	1	10/03/2024 22:48	WG2374327
Hexachlorocyclopentadiene	ND	J3 J6	0.431	1	10/03/2024 22:48	WG2374327
Hexachloroethane	ND		0.431	1	10/03/2024 22:48	WG2374327
Indeno(1,2,3-cd)pyrene	ND		0.0431	1	10/03/2024 22:48	WG2374327
Isophorone	ND		0.431	1	10/03/2024 22:48	WG2374327
Naphthalene	ND		0.0431	1	10/03/2024 22:48	WG2374327
Nitrobenzene	ND		0.431	1	10/03/2024 22:48	WG2374327
n-Nitrosodimethylamine	ND		0.431	1	10/03/2024 22:48	WG2374327
n-Nitrosodiphenylamine	ND		0.431	1	10/03/2024 22:48	WG2374327
n-Nitrosodi-n-propylamine	ND		0.431	1	10/03/2024 22:48	WG2374327
Phenanthrene	ND		0.0431	1	10/03/2024 22:48	WG2374327
Benzylbutyl phthalate	ND		0.431	1	10/03/2024 22:48	WG2374327
Bis(2-ethylhexyl)phthalate	ND		0.431	1	10/03/2024 22:48	WG2374327
Di-n-butyl phthalate	ND		0.431	1	10/03/2024 22:48	WG2374327
Diethyl phthalate	ND		0.431	1	10/03/2024 22:48	WG2374327
Dimethyl phthalate	ND		0.431	1	10/03/2024 22:48	WG2374327
Di-n-octyl phthalate	ND		0.431	1	10/03/2024 22:48	WG2374327
Pyrene	ND		0.0431	1	10/03/2024 22:48	WG2374327
1,2,4-Trichlorobenzene	ND		0.431	1	10/03/2024 22:48	WG2374327

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Chloro-3-methylphenol	ND		0.431	1	10/03/2024 22:48	WG2374327
2-Chlorophenol	ND		0.431	1	10/03/2024 22:48	WG2374327
2,4-Dichlorophenol	ND		0.431	1	10/03/2024 22:48	WG2374327
2,4-Dimethylphenol	ND		0.431	1	10/03/2024 22:48	WG2374327
4,6-Dinitro-2-methylphenol	ND		0.431	1	10/03/2024 22:48	WG2374327
2,4-Dinitrophenol	ND		0.431	1	10/03/2024 22:48	WG2374327
2-Nitrophenol	ND		0.431	1	10/03/2024 22:48	WG2374327
4-Nitrophenol	ND		0.431	1	10/03/2024 22:48	WG2374327
Pentachlorophenol	ND		0.431	1	10/03/2024 22:48	WG2374327
Phenol	ND		0.431	1	10/03/2024 22:48	WG2374327
2,4,6-Trichlorophenol	ND		0.431	1	10/03/2024 22:48	WG2374327
(S) 2-Fluorophenol	*61.4*		*12.0-120*		*10/03/2024 22:48*	WG2374327
(S) Phenol-d5	*55.4*		*10.0-120*		*10/03/2024 22:48*	WG2374327
(S) Nitrobenzene-d5	*52.1*		*10.0-122*		*10/03/2024 22:48*	WG2374327
(S) 2-Fluorobiphenyl	*47.3*		*15.0-120*		*10/03/2024 22:48*	WG2374327
(S) 2,4,6-Tribromophenol	*50.5*		*10.0-127*		*10/03/2024 22:48*	WG2374327
(S) p-Terphenyl-d14	*58.7*		*10.0-120*		*10/03/2024 22:48*	WG2374327

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.129	1	09/28/2024 20:53	WG2371670
(S) Nitrobenzene-d5	*71.5*		*10.0-120*		*09/28/2024 20:53*	WG2371670

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chromium,Trivalent	20.5		1.35	1	10/07/2024 21:46	WG2371056

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	74.0		1	09/27/2024 09:25	WG2371002

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		13.5	1	10/02/2024 11:06	WG2371177

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.35	1	09/30/2024 02:24	WG2371401

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate as (N)	ND		13.8	1.02	09/28/2024 19:53	WG2370897
Sulfate	ND		68.9	1.02	09/28/2024 19:53	WG2370897

Mercury by Method 7471B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	ND		0.0541	1	09/28/2024 14:44	WG2371210

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Antimony	ND		4.06	5	10/07/2024 21:46	WG2371056
Arsenic	1.91		1.35	5	10/07/2024 21:46	WG2371056
Barium	103		3.38	5	10/07/2024 21:46	WG2371056
Beryllium	ND		3.38	5	10/07/2024 21:46	WG2371056
Cadmium	ND		1.35	5	10/07/2024 21:46	WG2371056
Chromium	20.5		6.76	5	10/07/2024 21:46	WG2371056
Cobalt	10.7		1.35	5	10/07/2024 21:46	WG2371056
Copper	23.5		6.76	5	10/07/2024 21:46	WG2371056
Lead	58.9		2.70	5	10/07/2024 21:46	WG2371056
Manganese	562		13.5	20	10/08/2024 02:14	WG2371056
Nickel	8.81		3.38	5	10/07/2024 21:46	WG2371056
Selenium	ND		3.38	5	10/07/2024 21:46	WG2371056
Silver	ND		0.676	5	10/07/2024 21:46	WG2371056
Thallium	ND		2.70	5	10/07/2024 21:46	WG2371056
Vanadium	29.1		3.38	5	10/07/2024 21:46	WG2371056
Zinc	80.0		33.8	5	10/07/2024 21:46	WG2371056

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.133	1.7	09/29/2024 15:20	WG2372071
Acrylonitrile	ND		0.0332	1.7	09/29/2024 15:20	WG2372071
Benzene	ND		0.00265	1.7	09/29/2024 15:20	WG2372071
Bromobenzene	ND		0.0332	1.7	09/29/2024 15:20	WG2372071
Bromodichloromethane	ND		0.00663	1.7	09/29/2024 15:20	WG2372071
Bromoform	ND		0.0663	1.7	09/29/2024 15:20	WG2372071
Bromomethane	ND		0.0332	1.7	09/29/2024 15:20	WG2372071
n-Butylbenzene	ND		0.0332	1.7	09/29/2024 15:20	WG2372071
sec-Butylbenzene	ND		0.0332	1.7	09/29/2024 15:20	WG2372071
tert-Butylbenzene	ND		0.0133	1.7	09/29/2024 15:20	WG2372071
Carbon tetrachloride	ND		0.0133	1.7	09/29/2024 15:20	WG2372071
Chlorobenzene	ND		0.00663	1.7	09/29/2024 15:20	WG2372071
Chlorodibromomethane	ND		0.00663	1.7	09/29/2024 15:20	WG2372071
Chloroethane	ND		0.0133	1.7	09/29/2024 15:20	WG2372071
Chloroform	ND		0.00663	1.7	09/29/2024 15:20	WG2372071
Chloromethane	ND		0.0332	1.7	09/29/2024 15:20	WG2372071
2-Chlorotoluene	ND		0.00663	1.7	09/29/2024 15:20	WG2372071
4-Chlorotoluene	ND		0.0133	1.7	09/29/2024 15:20	WG2372071
1,2-Dibromo-3-Chloropropane	ND		0.0663	1.7	09/29/2024 15:20	WG2372071
1,2-Dibromoethane	ND		0.00663	1.7	09/29/2024 15:20	WG2372071
Dibromomethane	ND		0.0133	1.7	09/29/2024 15:20	WG2372071
1,2-Dichlorobenzene	ND		0.0133	1.7	09/29/2024 15:20	WG2372071
1,3-Dichlorobenzene	ND		0.0133	1.7	09/29/2024 15:20	WG2372071
1,4-Dichlorobenzene	ND		0.0133	1.7	09/29/2024 15:20	WG2372071
Dichlorodifluoromethane	ND		0.0133	1.7	09/29/2024 15:20	WG2372071
1,1-Dichloroethane	ND		0.00663	1.7	09/29/2024 15:20	WG2372071
1,2-Dichloroethane	ND		0.00663	1.7	09/29/2024 15:20	WG2372071
1,1-Dichloroethene	ND		0.00663	1.7	09/29/2024 15:20	WG2372071
cis-1,2-Dichloroethene	ND		0.00663	1.7	09/29/2024 15:20	WG2372071
trans-1,2-Dichloroethene	ND		0.0133	1.7	09/29/2024 15:20	WG2372071
1,2-Dichloropropane	ND		0.0133	1.7	09/29/2024 15:20	WG2372071
1,1-Dichloropropene	ND		0.00663	1.7	09/29/2024 15:20	WG2372071
1,3-Dichloropropane	ND		0.0133	1.7	09/29/2024 15:20	WG2372071
cis-1,3-Dichloropropene	ND		0.00663	1.7	09/29/2024 15:20	WG2372071
trans-1,3-Dichloropropene	ND		0.0133	1.7	09/29/2024 15:20	WG2372071
2,2-Dichloropropane	ND		0.00663	1.7	09/29/2024 15:20	WG2372071
Di-isopropyl ether	ND		0.00265	1.7	09/29/2024 15:20	WG2372071
Ethylbenzene	ND		0.00663	1.7	09/29/2024 15:20	WG2372071
Hexachloro-1,3-butadiene	ND		0.0663	1.7	09/29/2024 15:20	WG2372071
Isopropylbenzene	ND		0.00663	1.7	09/29/2024 15:20	WG2372071
p-Isopropyltoluene	ND		0.0133	1.7	09/29/2024 15:20	WG2372071
2-Butanone (MEK)	ND		0.265	1.7	09/29/2024 15:20	WG2372071
Methylene Chloride	ND		0.0663	1.7	09/29/2024 15:20	WG2372071
4-Methyl-2-pentanone (MIBK)	ND		0.0663	1.7	09/29/2024 15:20	WG2372071
Methyl tert-butyl ether	ND		0.00265	1.7	09/29/2024 15:20	WG2372071
Naphthalene	ND		0.0332	1.7	09/29/2024 15:20	WG2372071
n-Propylbenzene	ND		0.0133	1.7	09/29/2024 15:20	WG2372071
Styrene	ND		0.0332	1.7	09/29/2024 15:20	WG2372071
1,1,1,2-Tetrachloroethane	ND		0.00663	1.7	09/29/2024 15:20	WG2372071
1,1,2,2-Tetrachloroethane	ND		0.00663	1.7	09/29/2024 15:20	WG2372071
Tetrachloroethene	ND		0.00663	1.7	09/29/2024 15:20	WG2372071
Toluene	ND		0.0133	1.7	09/29/2024 15:20	WG2372071
1,2,3-Trichlorobenzene	ND		0.0332	1.7	09/29/2024 15:20	WG2372071
1,2,4-Trichlorobenzene	ND		0.0332	1.7	09/29/2024 15:20	WG2372071
1,1,1-Trichloroethane	ND		0.00663	1.7	09/29/2024 15:20	WG2372071
1,1,2-Trichloroethane	ND		0.00663	1.7	09/29/2024 15:20	WG2372071

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Trichloroethene	ND	J4	0.00265	1.7	09/29/2024 15:20	WG2372071
Trichlorofluoromethane	ND		0.00663	1.7	09/29/2024 15:20	WG2372071
1,2,3-Trichloropropane	ND		0.0332	1.7	09/29/2024 15:20	WG2372071
1,2,4-Trimethylbenzene	ND		0.0133	1.7	09/29/2024 15:20	WG2372071
1,3,5-Trimethylbenzene	ND		0.0133	1.7	09/29/2024 15:20	WG2372071
Vinyl chloride	ND		0.00663	1.7	09/29/2024 15:20	WG2372071
Xylenes, Total	ND		0.0173	1.7	09/29/2024 15:20	WG2372071
(S) Toluene-d8	*99.4*		*75.0-131*		*09/29/2024 15:20*	WG2372071
(S) 4-Bromofluorobenzene	*100*		*67.0-138*		*09/29/2024 15:20*	WG2372071
(S) 1,2-Dichloroethane-d4	*79.4*		*70.0-130*		*09/29/2024 15:20*	WG2372071

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0450	1	10/04/2024 02:20	WG2374327
Acenaphthylene	ND		0.0450	1	10/04/2024 02:20	WG2374327
Anthracene	ND		0.0450	1	10/04/2024 02:20	WG2374327
Benzidine	ND		2.26	1	10/04/2024 02:20	WG2374327
Benzo(a)anthracene	ND		0.0450	1	10/04/2024 02:20	WG2374327
Benzo(b)fluoranthene	ND		0.0450	1	10/04/2024 02:20	WG2374327
Benzo(k)fluoranthene	ND		0.0450	1	10/04/2024 02:20	WG2374327
Benzo(g,h,i)perylene	ND		0.0450	1	10/04/2024 02:20	WG2374327
Benzo(a)pyrene	ND		0.0450	1	10/04/2024 02:20	WG2374327
Bis(2-chlorethoxy)methane	ND		0.450	1	10/04/2024 02:20	WG2374327
Bis(2-chloroethyl)ether	ND		0.450	1	10/04/2024 02:20	WG2374327
2,2-Oxybis(1-Chloropropane)	ND		0.450	1	10/04/2024 02:20	WG2374327
4-Bromophenyl-phenylether	ND		0.450	1	10/04/2024 02:20	WG2374327
2-Chloronaphthalene	ND		0.0450	1	10/04/2024 02:20	WG2374327
4-Chlorophenyl-phenylether	ND		0.450	1	10/04/2024 02:20	WG2374327
Chrysene	ND		0.0450	1	10/04/2024 02:20	WG2374327
Dibenz(a,h)anthracene	ND		0.0450	1	10/04/2024 02:20	WG2374327
3,3-Dichlorobenzidine	ND		0.450	1	10/04/2024 02:20	WG2374327
2,4-Dinitrotoluene	ND		0.450	1	10/04/2024 02:20	WG2374327
2,6-Dinitrotoluene	ND		0.450	1	10/04/2024 02:20	WG2374327
Fluoranthene	ND		0.0450	1	10/04/2024 02:20	WG2374327
Fluorene	ND		0.0450	1	10/04/2024 02:20	WG2374327
Hexachlorobenzene	ND		0.450	1	10/04/2024 02:20	WG2374327
Hexachloro-1,3-butadiene	ND		0.450	1	10/04/2024 02:20	WG2374327
Hexachlorocyclopentadiene	ND		0.450	1	10/04/2024 02:20	WG2374327
Hexachloroethane	ND		0.450	1	10/04/2024 02:20	WG2374327
Indeno(1,2,3-cd)pyrene	ND		0.0450	1	10/04/2024 02:20	WG2374327
Isophorone	ND		0.450	1	10/04/2024 02:20	WG2374327
Naphthalene	ND		0.0450	1	10/04/2024 02:20	WG2374327
Nitrobenzene	ND		0.450	1	10/04/2024 02:20	WG2374327
n-Nitrosodimethylamine	ND		0.450	1	10/04/2024 02:20	WG2374327
n-Nitrosodiphenylamine	ND		0.450	1	10/04/2024 02:20	WG2374327
n-Nitrosodi-n-propylamine	ND		0.450	1	10/04/2024 02:20	WG2374327
Phenanthrene	ND		0.0450	1	10/04/2024 02:20	WG2374327
Benzylbutyl phthalate	ND		0.450	1	10/04/2024 02:20	WG2374327
Bis(2-ethylhexyl)phthalate	ND		0.450	1	10/04/2024 02:20	WG2374327
Di-n-butyl phthalate	ND		0.450	1	10/04/2024 02:20	WG2374327
Diethyl phthalate	ND		0.450	1	10/04/2024 02:20	WG2374327
Dimethyl phthalate	ND		0.450	1	10/04/2024 02:20	WG2374327
Di-n-octyl phthalate	ND		0.450	1	10/04/2024 02:20	WG2374327
Pyrene	ND		0.0450	1	10/04/2024 02:20	WG2374327
1,2,4-Trichlorobenzene	ND		0.450	1	10/04/2024 02:20	WG2374327

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Chloro-3-methylphenol	ND		0.450	1	10/04/2024 02:20	WG2374327
2-Chlorophenol	ND		0.450	1	10/04/2024 02:20	WG2374327
2,4-Dichlorophenol	ND		0.450	1	10/04/2024 02:20	WG2374327
2,4-Dimethylphenol	ND		0.450	1	10/04/2024 02:20	WG2374327
4,6-Dinitro-2-methylphenol	ND		0.450	1	10/04/2024 02:20	WG2374327
2,4-Dinitrophenol	ND		0.450	1	10/04/2024 02:20	WG2374327
2-Nitrophenol	ND		0.450	1	10/04/2024 02:20	WG2374327
4-Nitrophenol	ND		0.450	1	10/04/2024 02:20	WG2374327
Pentachlorophenol	ND		0.450	1	10/04/2024 02:20	WG2374327
Phenol	ND		0.450	1	10/04/2024 02:20	WG2374327
2,4,6-Trichlorophenol	ND		0.450	1	10/04/2024 02:20	WG2374327
(S) 2-Fluorophenol	*60.7*		*12.0-120*		*10/04/2024 02:20*	WG2374327
(S) Phenol-d5	*54.6*		*10.0-120*		*10/04/2024 02:20*	WG2374327
(S) Nitrobenzene-d5	*52.3*		*10.0-122*		*10/04/2024 02:20*	WG2374327
(S) 2-Fluorobiphenyl	*49.5*		*15.0-120*		*10/04/2024 02:20*	WG2374327
(S) 2,4,6-Tribromophenol	*47.2*		*10.0-127*		*10/04/2024 02:20*	WG2374327
(S) p-Terphenyl-d14	*54.1*		*10.0-120*		*10/04/2024 02:20*	WG2374327

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.135	1	09/28/2024 21:12	WG2371670
(S) Nitrobenzene-d5	*73.4*		*10.0-120*		*09/28/2024 21:12*	WG2371670

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chromium,Trivalent	31.0		1.49	1	10/07/2024 21:49	WG2371056

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	67.0		1	09/27/2024 09:25	WG2371002

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		14.9	1	10/02/2024 11:07	WG2371177

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.49	1	09/30/2024 02:30	WG2371401

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate as (N)	ND		14.9	1	09/28/2024 20:11	WG2370897
Sulfate	ND		74.6	1	09/28/2024 20:11	WG2370897

Mercury by Method 7471B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	ND		0.0597	1	09/28/2024 14:47	WG2371210

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Antimony	ND		4.48	5	10/07/2024 21:49	WG2371056
Arsenic	2.76		1.49	5	10/07/2024 21:49	WG2371056
Barium	90.5		3.73	5	10/07/2024 21:49	WG2371056
Beryllium	ND		3.73	5	10/07/2024 21:49	WG2371056
Cadmium	ND		1.49	5	10/07/2024 21:49	WG2371056
Chromium	31.5		7.46	5	10/07/2024 21:49	WG2371056
Cobalt	13.6		1.49	5	10/07/2024 21:49	WG2371056
Copper	17.0		7.46	5	10/07/2024 21:49	WG2371056
Lead	21.2		2.98	5	10/07/2024 21:49	WG2371056
Manganese	523		7.46	10	10/08/2024 02:17	WG2371056
Nickel	15.6		3.73	5	10/07/2024 21:49	WG2371056
Selenium	ND		3.73	5	10/07/2024 21:49	WG2371056
Silver	ND		0.746	5	10/07/2024 21:49	WG2371056
Thallium	ND		2.98	5	10/07/2024 21:49	WG2371056
Vanadium	40.4		3.73	5	10/07/2024 21:49	WG2371056
Zinc	41.5		37.3	5	10/07/2024 21:49	WG2371056

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.103	1	09/29/2024 15:39	WG2372071
Acrylonitrile	ND		0.0258	1	09/29/2024 15:39	WG2372071
Benzene	ND		0.00207	1	09/29/2024 15:39	WG2372071
Bromobenzene	ND		0.0258	1	09/29/2024 15:39	WG2372071
Bromodichloromethane	ND		0.00516	1	09/29/2024 15:39	WG2372071
Bromoform	ND		0.0516	1	09/29/2024 15:39	WG2372071
Bromomethane	ND		0.0258	1	09/29/2024 15:39	WG2372071
n-Butylbenzene	ND		0.0258	1	09/29/2024 15:39	WG2372071
sec-Butylbenzene	ND		0.0258	1	09/29/2024 15:39	WG2372071
tert-Butylbenzene	ND		0.0103	1	09/29/2024 15:39	WG2372071
Carbon tetrachloride	ND		0.0103	1	09/29/2024 15:39	WG2372071
Chlorobenzene	ND		0.00516	1	09/29/2024 15:39	WG2372071
Chlorodibromomethane	ND		0.00516	1	09/29/2024 15:39	WG2372071
Chloroethane	ND		0.0103	1	09/29/2024 15:39	WG2372071
Chloroform	ND		0.00516	1	09/29/2024 15:39	WG2372071
Chloromethane	ND		0.0258	1	09/29/2024 15:39	WG2372071
2-Chlorotoluene	ND		0.00516	1	09/29/2024 15:39	WG2372071
4-Chlorotoluene	ND		0.0103	1	09/29/2024 15:39	WG2372071
1,2-Dibromo-3-Chloropropane	ND		0.0516	1	09/29/2024 15:39	WG2372071
1,2-Dibromoethane	ND		0.00516	1	09/29/2024 15:39	WG2372071
Dibromomethane	ND		0.0103	1	09/29/2024 15:39	WG2372071
1,2-Dichlorobenzene	ND		0.0103	1	09/29/2024 15:39	WG2372071
1,3-Dichlorobenzene	ND		0.0103	1	09/29/2024 15:39	WG2372071
1,4-Dichlorobenzene	ND		0.0103	1	09/29/2024 15:39	WG2372071
Dichlorodifluoromethane	ND		0.0103	1	09/29/2024 15:39	WG2372071
1,1-Dichloroethane	ND		0.00516	1	09/29/2024 15:39	WG2372071
1,2-Dichloroethane	ND		0.00516	1	09/29/2024 15:39	WG2372071
1,1-Dichloroethene	ND		0.00516	1	09/29/2024 15:39	WG2372071
cis-1,2-Dichloroethene	ND		0.00516	1	09/29/2024 15:39	WG2372071
trans-1,2-Dichloroethene	ND		0.0103	1	09/29/2024 15:39	WG2372071
1,2-Dichloropropane	ND		0.0103	1	09/29/2024 15:39	WG2372071
1,1-Dichloropropene	ND		0.00516	1	09/29/2024 15:39	WG2372071
1,3-Dichloropropane	ND		0.0103	1	09/29/2024 15:39	WG2372071
cis-1,3-Dichloropropene	ND		0.00516	1	09/29/2024 15:39	WG2372071
trans-1,3-Dichloropropene	ND		0.0103	1	09/29/2024 15:39	WG2372071
2,2-Dichloropropane	ND		0.00516	1	09/29/2024 15:39	WG2372071
Di-isopropyl ether	ND		0.00207	1	09/29/2024 15:39	WG2372071
Ethylbenzene	ND		0.00516	1	09/29/2024 15:39	WG2372071
Hexachloro-1,3-butadiene	ND		0.0516	1	09/29/2024 15:39	WG2372071
Isopropylbenzene	ND		0.00516	1	09/29/2024 15:39	WG2372071
p-Isopropyltoluene	ND		0.0103	1	09/29/2024 15:39	WG2372071
2-Butanone (MEK)	ND		0.207	1	09/29/2024 15:39	WG2372071
Methylene Chloride	ND		0.0516	1	09/29/2024 15:39	WG2372071
4-Methyl-2-pentanone (MIBK)	ND		0.0516	1	09/29/2024 15:39	WG2372071
Methyl tert-butyl ether	ND		0.00207	1	09/29/2024 15:39	WG2372071
Naphthalene	ND		0.0258	1	09/29/2024 15:39	WG2372071
n-Propylbenzene	ND		0.0103	1	09/29/2024 15:39	WG2372071
Styrene	ND		0.0258	1	09/29/2024 15:39	WG2372071
1,1,1,2-Tetrachloroethane	ND		0.00516	1	09/29/2024 15:39	WG2372071
1,1,2,2-Tetrachloroethane	ND		0.00516	1	09/29/2024 15:39	WG2372071
Tetrachloroethene	ND		0.00516	1	09/29/2024 15:39	WG2372071
Toluene	ND		0.0103	1	09/29/2024 15:39	WG2372071
1,2,3-Trichlorobenzene	ND		0.0258	1	09/29/2024 15:39	WG2372071
1,2,4-Trichlorobenzene	ND		0.0258	1	09/29/2024 15:39	WG2372071
1,1,1-Trichloroethane	ND		0.00516	1	09/29/2024 15:39	WG2372071
1,1,2-Trichloroethane	ND		0.00516	1	09/29/2024 15:39	WG2372071

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Trichloroethene	ND	J4	0.00207	1	09/29/2024 15:39	WG2372071
Trichlorofluoromethane	ND		0.00516	1	09/29/2024 15:39	WG2372071
1,2,3-Trichloropropane	ND		0.0258	1	09/29/2024 15:39	WG2372071
1,2,4-Trimethylbenzene	ND		0.0103	1	09/29/2024 15:39	WG2372071
1,3,5-Trimethylbenzene	ND		0.0103	1	09/29/2024 15:39	WG2372071
Vinyl chloride	ND		0.00516	1	09/29/2024 15:39	WG2372071
Xylenes, Total	ND		0.0134	1	09/29/2024 15:39	WG2372071
(S) Toluene-d8	*97.1*		*75.0-131*		*09/29/2024 15:39*	WG2372071
(S) 4-Bromofluorobenzene	*99.3*		*67.0-138*		*09/29/2024 15:39*	WG2372071
(S) 1,2-Dichloroethane-d4	*82.0*		*70.0-130*		*09/29/2024 15:39*	WG2372071

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0497	1	10/02/2024 01:54	WG2373408
Acenaphthylene	ND		0.0497	1	10/02/2024 01:54	WG2373408
Anthracene	ND		0.0497	1	10/02/2024 01:54	WG2373408
Benzidine	ND		2.49	1	10/02/2024 01:54	WG2373408
Benzo(a)anthracene	ND		0.0497	1	10/02/2024 01:54	WG2373408
Benzo(b)fluoranthene	ND		0.0497	1	10/02/2024 01:54	WG2373408
Benzo(k)fluoranthene	ND		0.0497	1	10/02/2024 01:54	WG2373408
Benzo(g,h,i)perylene	ND		0.0497	1	10/02/2024 01:54	WG2373408
Benzo(a)pyrene	ND		0.0497	1	10/02/2024 01:54	WG2373408
Bis(2-chlorethoxy)methane	ND		0.497	1	10/02/2024 01:54	WG2373408
Bis(2-chloroethyl)ether	ND		0.497	1	10/02/2024 01:54	WG2373408
2,2-Oxybis(1-Chloropropane)	ND		0.497	1	10/02/2024 01:54	WG2373408
4-Bromophenyl-phenylether	ND		0.497	1	10/02/2024 01:54	WG2373408
2-Chloronaphthalene	ND		0.0497	1	10/02/2024 01:54	WG2373408
4-Chlorophenyl-phenylether	ND		0.497	1	10/02/2024 01:54	WG2373408
Chrysene	ND		0.0497	1	10/02/2024 01:54	WG2373408
Dibenz(a,h)anthracene	ND		0.0497	1	10/02/2024 01:54	WG2373408
3,3-Dichlorobenzidine	ND		0.497	1	10/02/2024 01:54	WG2373408
2,4-Dinitrotoluene	ND		0.497	1	10/02/2024 01:54	WG2373408
2,6-Dinitrotoluene	ND		0.497	1	10/02/2024 01:54	WG2373408
Fluoranthene	ND		0.0497	1	10/02/2024 01:54	WG2373408
Fluorene	ND		0.0497	1	10/02/2024 01:54	WG2373408
Hexachlorobenzene	ND		0.497	1	10/02/2024 01:54	WG2373408
Hexachloro-1,3-butadiene	ND		0.497	1	10/02/2024 01:54	WG2373408
Hexachlorocyclopentadiene	ND		0.497	1	10/02/2024 01:54	WG2373408
Hexachloroethane	ND		0.497	1	10/02/2024 01:54	WG2373408
Indeno(1,2,3-cd)pyrene	ND		0.0497	1	10/02/2024 01:54	WG2373408
Isophorone	ND		0.497	1	10/02/2024 01:54	WG2373408
Naphthalene	ND		0.0497	1	10/02/2024 01:54	WG2373408
Nitrobenzene	ND		0.497	1	10/02/2024 01:54	WG2373408
n-Nitrosodimethylamine	ND		0.497	1	10/02/2024 01:54	WG2373408
n-Nitrosodiphenylamine	ND		0.497	1	10/02/2024 01:54	WG2373408
n-Nitrosodi-n-propylamine	ND		0.497	1	10/02/2024 01:54	WG2373408
Phenanthrene	ND		0.0497	1	10/02/2024 01:54	WG2373408
Benzylbutyl phthalate	ND		0.497	1	10/02/2024 01:54	WG2373408
Bis(2-ethylhexyl)phthalate	ND		0.497	1	10/02/2024 01:54	WG2373408
Di-n-butyl phthalate	ND		0.497	1	10/02/2024 01:54	WG2373408
Diethyl phthalate	ND		0.497	1	10/02/2024 01:54	WG2373408
Dimethyl phthalate	ND		0.497	1	10/02/2024 01:54	WG2373408
Di-n-octyl phthalate	ND		0.497	1	10/02/2024 01:54	WG2373408
Pyrene	ND		0.0497	1	10/02/2024 01:54	WG2373408
1,2,4-Trichlorobenzene	ND		0.497	1	10/02/2024 01:54	WG2373408

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Chloro-3-methylphenol	ND		0.497	1	10/02/2024 01:54	WG2373408
2-Chlorophenol	ND		0.497	1	10/02/2024 01:54	WG2373408
2,4-Dichlorophenol	ND		0.497	1	10/02/2024 01:54	WG2373408
2,4-Dimethylphenol	ND		0.497	1	10/02/2024 01:54	WG2373408
4,6-Dinitro-2-methylphenol	ND		0.497	1	10/02/2024 01:54	WG2373408
2,4-Dinitrophenol	ND		0.497	1	10/02/2024 01:54	WG2373408
2-Nitrophenol	ND		0.497	1	10/02/2024 01:54	WG2373408
4-Nitrophenol	ND		0.497	1	10/02/2024 01:54	WG2373408
Pentachlorophenol	ND		0.497	1	10/02/2024 01:54	WG2373408
Phenol	ND		0.497	1	10/02/2024 01:54	WG2373408
2,4,6-Trichlorophenol	ND		0.497	1	10/02/2024 01:54	WG2373408
(S) 2-Fluorophenol	*62.6*		*12.0-120*		*10/02/2024 01:54*	WG2373408
(S) Phenol-d5	*56.1*		*10.0-120*		*10/02/2024 01:54*	WG2373408
(S) Nitrobenzene-d5	*50.9*		*10.0-122*		*10/02/2024 01:54*	WG2373408
(S) 2-Fluorobiphenyl	*59.4*		*15.0-120*		*10/02/2024 01:54*	WG2373408
(S) 2,4,6-Tribromophenol	*72.0*		*10.0-127*		*10/02/2024 01:54*	WG2373408
(S) p-Terphenyl-d14	*70.6*		*10.0-120*		*10/02/2024 01:54*	WG2373408

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.149	1	09/28/2024 21:31	WG2371670
(S) Nitrobenzene-d5	*71.9*		*10.0-120*		*09/28/2024 21:31*	WG2371670

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	09/30/2024 10:19	WG2372359
Acrolein	ND		50.0	1	09/30/2024 10:19	WG2372359
Acrylonitrile	ND		10.0	1	09/30/2024 10:19	WG2372359
Benzene	ND		1.00	1	09/30/2024 10:19	WG2372359
Bromobenzene	ND		1.00	1	09/30/2024 10:19	WG2372359
Bromodichloromethane	ND		1.00	1	09/30/2024 10:19	WG2372359
Bromoform	ND		1.00	1	09/30/2024 10:19	WG2372359
Bromomethane	ND	J4	5.00	1	09/30/2024 10:19	WG2372359
n-Butylbenzene	ND		1.00	1	09/30/2024 10:19	WG2372359
sec-Butylbenzene	ND		1.00	1	09/30/2024 10:19	WG2372359
tert-Butylbenzene	ND		1.00	1	09/30/2024 10:19	WG2372359
Carbon tetrachloride	ND		1.00	1	09/30/2024 10:19	WG2372359
Chlorobenzene	ND		1.00	1	09/30/2024 10:19	WG2372359
Chlorodibromomethane	ND		1.00	1	09/30/2024 10:19	WG2372359
Chloroethane	ND	J4	5.00	1	09/30/2024 10:19	WG2372359
Chloroform	ND		5.00	1	09/30/2024 10:19	WG2372359
Chloromethane	ND		2.50	1	09/30/2024 10:19	WG2372359
2-Chlorotoluene	ND		1.00	1	09/30/2024 10:19	WG2372359
4-Chlorotoluene	ND		1.00	1	09/30/2024 10:19	WG2372359
1,2-Dibromo-3-Chloropropane	ND	C3	5.00	1	09/30/2024 10:19	WG2372359
1,2-Dibromoethane	ND		1.00	1	09/30/2024 10:19	WG2372359
Dibromomethane	ND		1.00	1	09/30/2024 10:19	WG2372359
1,2-Dichlorobenzene	ND		1.00	1	09/30/2024 10:19	WG2372359
1,3-Dichlorobenzene	ND		1.00	1	09/30/2024 10:19	WG2372359
1,4-Dichlorobenzene	ND		1.00	1	09/30/2024 10:19	WG2372359
Dichlorodifluoromethane	ND		5.00	1	09/30/2024 10:19	WG2372359
1,1-Dichloroethane	ND		1.00	1	09/30/2024 10:19	WG2372359
1,2-Dichloroethane	ND		1.00	1	09/30/2024 10:19	WG2372359
1,1-Dichloroethene	ND		1.00	1	09/30/2024 10:19	WG2372359
cis-1,2-Dichloroethene	ND		1.00	1	09/30/2024 10:19	WG2372359
trans-1,2-Dichloroethene	ND		1.00	1	09/30/2024 10:19	WG2372359
1,2-Dichloropropane	ND		1.00	1	09/30/2024 10:19	WG2372359
1,1-Dichloropropene	ND		1.00	1	09/30/2024 10:19	WG2372359
1,3-Dichloropropane	ND		1.00	1	09/30/2024 10:19	WG2372359
cis-1,3-Dichloropropene	ND		1.00	1	09/30/2024 10:19	WG2372359
trans-1,3-Dichloropropene	ND		1.00	1	09/30/2024 10:19	WG2372359
2,2-Dichloropropane	ND	J3	1.00	1	09/30/2024 10:19	WG2372359
Di-isopropyl ether	ND		1.00	1	09/30/2024 10:19	WG2372359
Ethylbenzene	ND		1.00	1	09/30/2024 10:19	WG2372359
Hexachloro-1,3-butadiene	ND		1.00	1	09/30/2024 10:19	WG2372359
Isopropylbenzene	ND		1.00	1	09/30/2024 10:19	WG2372359
p-Isopropyltoluene	ND		1.00	1	09/30/2024 10:19	WG2372359
2-Butanone (MEK)	ND		10.0	1	09/30/2024 10:19	WG2372359
Methylene Chloride	ND		5.00	1	09/30/2024 10:19	WG2372359
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	09/30/2024 10:19	WG2372359
Methyl tert-butyl ether	ND		1.00	1	09/30/2024 10:19	WG2372359
Naphthalene	ND	C3	5.00	1	09/30/2024 10:19	WG2372359
n-Propylbenzene	ND		1.00	1	09/30/2024 10:19	WG2372359
Styrene	ND		1.00	1	09/30/2024 10:19	WG2372359
1,1,1,2-Tetrachloroethane	ND		1.00	1	09/30/2024 10:19	WG2372359
1,1,2,2-Tetrachloroethane	ND		1.00	1	09/30/2024 10:19	WG2372359
Tetrachloroethene	ND		1.00	1	09/30/2024 10:19	WG2372359
Toluene	ND		1.00	1	09/30/2024 10:19	WG2372359
1,2,3-Trichlorobenzene	ND		1.00	1	09/30/2024 10:19	WG2372359
1,2,4-Trichlorobenzene	ND		1.00	1	09/30/2024 10:19	WG2372359
1,1,1-Trichloroethane	ND		1.00	1	09/30/2024 10:19	WG2372359

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	ND		1.00	1	09/30/2024 10:19	WG2372359
Trichloroethene	ND		1.00	1	09/30/2024 10:19	WG2372359
Trichlorofluoromethane	ND		5.00	1	09/30/2024 10:19	WG2372359
1,2,3-Trichloropropane	ND		2.50	1	09/30/2024 10:19	WG2372359
1,2,4-Trimethylbenzene	ND		1.00	1	09/30/2024 10:19	WG2372359
1,3,5-Trimethylbenzene	ND		1.00	1	09/30/2024 10:19	WG2372359
Vinyl chloride	ND		1.00	1	09/30/2024 10:19	WG2372359
Xylenes, Total	ND		3.00	1	09/30/2024 10:19	WG2372359
(S) Toluene-d8	*105*		*80.0-120*		*09/30/2024 10:19*	WG2372359
(S) 4-Bromofluorobenzene	*93.6*		*77.0-126*		*09/30/2024 10:19*	WG2372359
(S) 1,2-Dichloroethane-d4	*107*		*70.0-130*		*09/30/2024 10:19*	WG2372359

Method Blank (MB)

(MB) R4125334-1 09/27/24 07:37

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1780506-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1780506-01 09/27/24 07:37 • (DUP) R4125334-3 09/27/24 07:37

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	88.4	88.2	1	0.180		10

Laboratory Control Sample (LCS)

(LCS) R4125334-2 09/27/24 07:37

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4125643-1 09/27/24 09:25

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1780570-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1780570-13 09/27/24 09:25 • (DUP) R4125643-3 09/27/24 09:25

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	74.0	75.2	1	1.68		10

Laboratory Control Sample (LCS)

(LCS) R4125643-2 09/27/24 09:25

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4127288-1 10/02/24 10:41

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ammonia Nitrogen	U		7.19	10.0

L1780570-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1780570-01 10/02/24 10:44 • (DUP) R4127288-3 10/02/24 10:45

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ammonia Nitrogen	16.7	2.04	.0962	156	P1	20

L1781720-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1781720-01 10/02/24 11:08 • (DUP) R4127288-6 10/02/24 11:12

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ammonia Nitrogen	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4127288-2 10/02/24 10:43

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	500	481	96.2	90.0-110	

L1780570-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1780570-01 10/02/24 10:44 • (MS) R4127288-4 10/02/24 10:46 • (MSD) R4127288-5 10/02/24 10:48

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ammonia Nitrogen	668	16.7	666	686	97.2	100	1	90.0-110			3.00	20

QUALITY CONTROL SUMMARY

L1780570-01,02

Method Blank (MB)

(MB) R4126220-1 09/30/24 09:32

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Hexavalent Chromium	U		0.255	1.00

L1780637-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1780637-01 09/30/24 10:11 • (DUP) R4126220-3 09/30/24 10:18

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Hexavalent Chromium	ND	ND	1	0.000		20

L1780661-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1780661-02 09/30/24 10:48 • (DUP) R4126220-4 09/30/24 10:55

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Hexavalent Chromium	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4126220-2 09/30/24 09:40

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexavalent Chromium	10.0	10.9	109	80.0-120	

L1781861-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1781861-01 09/30/24 12:21 • (MS) R4126220-5 09/30/24 12:27 • (MSD) R4126220-6 09/30/24 12:34

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Hexavalent Chromium	21.5	ND	11.6	16.5	52.5	75.2	1	75.0-125	J6	J3	34.8	20

L1781861-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1781861-01 09/30/24 12:21 • (MS) R4126220-8 09/30/24 12:40

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Hexavalent Chromium	685	ND	460	67.2	50	75.0-125	J6

QUALITY CONTROL SUMMARY

L1780570-03,04,05,06,07,08,09,10,11,12,13,14

Method Blank (MB)

(MB) R4126018-1 09/30/24 00:38

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Hexavalent Chromium	U		0.255	1.00

L1780570-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1780570-03 09/30/24 01:02 • (DUP) R4126018-3 09/30/24 01:10

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Hexavalent Chromium	ND	ND	1	200	P1	20

L1780570-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1780570-14 09/30/24 02:30 • (DUP) R4126018-4 09/30/24 02:37

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Hexavalent Chromium	ND	ND	1	11.7		20

Laboratory Control Sample (LCS)

(LCS) R4126018-2 09/30/24 00:47

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexavalent Chromium	10.0	8.98	89.8	80.0-120	

L1781252-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1781252-04 09/30/24 03:26 • (MS) R4126018-5 09/30/24 03:32 • (MSD) R4126018-6 09/30/24 03:38

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Hexavalent Chromium	20.0	ND	9.90	5.94	49.5	29.7	1	75.0-125	J6	J3 J6	50.1	20

L1781252-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L1781252-04 09/30/24 03:26 • (MS) R4126018-7 09/30/24 03:45

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Hexavalent Chromium	648	ND	530	81.8	50	75.0-125	

QUALITY CONTROL SUMMARY

L1780570-01,02,03,04,05,06,07,08,09,10,11,12

Method Blank (MB)

(MB) R4126205-1 09/28/24 08:07

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Nitrate as (N)	U		0.557	10.0
Sulfate	U		12.9	50.0

L1781893-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1781893-01 09/28/24 09:37 • (DUP) R4126205-5 09/28/24 09:55

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate as (N)	ND	ND	1	0.000		15
Sulfate	ND	ND	1	0.000		15

L1780570-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1780570-03 09/28/24 10:49 • (DUP) R4126205-6 09/28/24 11:07

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate as (N)	ND	ND	1	0.000		15
Sulfate	ND	ND	1	200	P1	15

Laboratory Control Sample (LCS)

(LCS) R4126205-2 09/28/24 08:25

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate as (N)	20.0	20.5	103	80.0-120	
Sulfate	200	207	104	80.0-120	

L1781955-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1781955-03 09/28/24 08:43 • (MS) R4126205-3 09/28/24 09:01 • (MSD) R4126205-4 09/28/24 09:19

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate as (N)	20.0	ND	19.8	19.7	99.1	98.5	1	80.0-120			0.594	15
Sulfate	200	ND	221	220	98.6	97.8	1	80.0-120			0.707	15

Method Blank (MB)

(MB) R4126159-1 09/28/24 19:18

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Nitrate as (N)	U		0.557	10.0
Sulfate	U		12.9	50.0

L1781169-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1781169-01 09/28/24 20:29 • (DUP) R4126159-3 09/28/24 20:47

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate as (N)	ND	ND	1	0.000		15

L1781169-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1781169-11 09/29/24 00:40 • (DUP) R4126159-4 09/29/24 00:58

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate as (N)	ND	ND	1	0.000		15

Laboratory Control Sample (LCS)

(LCS) R4126159-2 09/28/24 19:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate as (N)	20.0	21.0	105	80.0-120	
Sulfate	200	211	105	80.0-120	

L1781169-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1781169-11 09/29/24 00:40 • (MS) R4126159-5 09/29/24 01:16 • (MSD) R4126159-6 09/29/24 01:34

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate as (N)	20.0	ND	19.3	18.9	96.6	94.3	1	80.0-120			2.41	15

Method Blank (MB)

(MB) R4125601-1 09/27/24 18:56

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R4125601-2 09/27/24 18:59

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.518	104	80.0-120	

L1781861-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1781861-01 09/27/24 19:01 • (MS) R4125601-4 09/27/24 19:07 • (MSD) R4125601-5 09/27/24 19:09

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.539	ND	0.630	0.507	117	94.2	1	75.0-125		J3	21.6	20

Method Blank (MB)

(MB) R4125810-1 09/28/24 14:05

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R4125810-2 09/28/24 14:08

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.451	90.3	80.0-120	

L1780716-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1780716-03 09/28/24 14:10 • (MS) R4125810-4 09/28/24 14:15 • (MSD) R4125810-5 09/28/24 14:23

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	1.25	0.125	0.948	0.891	66.1	61.6	1	75.0-125	J6	J6	6.15	20

Method Blank (MB)

(MB) R4125828-1 09/28/24 17:28

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R4125828-2 09/28/24 17:31

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.452	90.4	80.0-120	

L1780459-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1780459-15 09/28/24 17:34 • (MS) R4125828-4 09/28/24 17:39 • (MSD) R4125828-5 09/28/24 17:41

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.549	ND	0.481	0.484	87.5	88.1	1	75.0-125			0.674	20

Method Blank (MB)

(MB) R4129631-1 10/07/24 20:50

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	U		0.166	3.00
Arsenic	U		0.100	1.00
Barium	U		0.152	2.50
Beryllium	U		0.138	2.50
Cadmium	U		0.0855	1.00
Chromium	U		0.297	5.00
Cobalt	U		0.0463	1.00
Copper	0.165	J	0.133	5.00
Lead	U		0.0990	2.00
Manganese	U		0.269	2.50
Nickel	U		0.197	2.50
Selenium	U		0.180	2.50
Silver	U		0.0865	0.500
Thallium	U		0.0650	2.00
Vanadium	U		0.187	2.50
Zinc	U		0.740	25.0

Laboratory Control Sample (LCS)

(LCS) R4129631-2 10/07/24 20:54

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	105	105	80.0-120	
Arsenic	100	101	101	80.0-120	
Barium	100	96.1	96.1	80.0-120	
Beryllium	100	96.3	96.3	80.0-120	
Cadmium	100	102	102	80.0-120	
Chromium	100	102	102	80.0-120	
Cobalt	100	103	103	80.0-120	
Copper	100	101	101	80.0-120	
Lead	100	97.1	97.1	80.0-120	
Manganese	100	101	101	80.0-120	
Nickel	100	103	103	80.0-120	
Selenium	100	99.6	99.6	80.0-120	
Silver	20.0	20.9	105	80.0-120	
Thallium	100	95.8	95.8	80.0-120	
Vanadium	100	101	101	80.0-120	
Zinc	100	101	101	80.0-120	

L1780659-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1780659-07 10/07/24 20:57 • (MS) R4129631-5 10/07/24 21:06 • (MSD) R4129631-6 10/07/24 21:09

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	117	ND	87.3	91.1	74.5	77.8	5	75.0-125	J6		4.28	20
Arsenic	117	ND	111	106	94.3	90.3	5	75.0-125			4.33	20
Barium	117	3.61	109	110	90.0	90.6	5	75.0-125			0.643	20
Beryllium	117	ND	105	105	89.9	89.7	5	75.0-125			0.311	20
Cadmium	117	ND	110	109	93.8	93.2	5	75.0-125			0.660	20
Chromium	117	ND	117	116	95.8	94.7	5	75.0-125			1.10	20
Cobalt	117	ND	112	111	95.2	94.4	5	75.0-125			0.923	20
Copper	117	ND	108	105	91.8	89.3	5	75.0-125			2.70	20
Lead	117	2.89	112	110	93.3	91.2	5	75.0-125			2.23	20
Manganese	117	4.42	118	112	96.8	92.1	5	75.0-125			4.73	20
Nickel	117	ND	112	112	94.7	95.1	5	75.0-125			0.375	20
Selenium	117	ND	106	107	90.1	91.1	5	75.0-125			1.10	20
Silver	23.4	ND	22.3	22.5	95.3	96.2	5	75.0-125			0.954	20
Thallium	117	ND	103	103	87.9	87.8	5	75.0-125			0.0644	20
Vanadium	117	6.74	121	120	97.8	96.3	5	75.0-125			1.43	20
Zinc	117	ND	109	111	90.4	92.3	5	75.0-125			2.05	20

Method Blank (MB)

(MB) R4125871-1 09/28/24 15:42

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	U		0.166	3.00

Method Blank (MB)

(MB) R4125872-1 09/28/24 17:23

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.100	1.00
Barium	8.19		0.152	2.50
Beryllium	U		0.138	2.50
Cadmium	U		0.0855	1.00
Chromium	0.374	J	0.297	5.00
Cobalt	U		0.0463	1.00
Copper	0.346	J	0.133	5.00
Lead	U		0.0990	2.00
Manganese	0.477	J	0.269	2.50
Nickel	U		0.197	2.50
Selenium	U		0.180	2.50
Silver	U		0.0865	0.500
Thallium	U		0.0650	2.00
Vanadium	U		0.187	2.50
Zinc	U		0.740	25.0

Laboratory Control Sample (LCS)

(LCS) R4125871-2 09/28/24 15:46

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	96.9	96.9	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4125872-2 09/28/24 17:26

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	96.8	96.8	80.0-120	
Barium	100	95.2	95.2	80.0-120	
Beryllium	100	90.9	90.9	80.0-120	
Cadmium	100	101	101	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4125872-2 09/28/24 17:26

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chromium	100	99.6	99.6	80.0-120	
Cobalt	100	102	102	80.0-120	
Copper	100	98.8	98.8	80.0-120	
Lead	100	94.8	94.8	80.0-120	
Manganese	100	97.4	97.4	80.0-120	
Nickel	100	101	101	80.0-120	
Selenium	100	96.6	96.6	80.0-120	
Silver	20.0	19.2	96.2	80.0-120	
Thallium	100	94.0	94.0	80.0-120	
Vanadium	100	97.7	97.7	80.0-120	
Zinc	100	96.9	96.9	80.0-120	

L1780570-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1780570-03 09/28/24 15:49 • (MS) R4125871-5 09/28/24 15:59 • (MSD) R4125871-6 09/28/24 16:02

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	143	ND	98.8	106	69.2	74.1	5	75.0-125	J6	J6	6.90	20

L1780570-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1780570-03 09/28/24 17:29 • (MS) R4125872-5 09/28/24 17:39 • (MSD) R4125872-6 09/28/24 17:42

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	143	3.10	121	125	82.7	85.4	5	75.0-125			3.21	20
Barium	143	82.3	182	204	70.0	85.3	5	75.0-125	J6		11.3	20
Beryllium	143	ND	123	124	86.0	86.8	5	75.0-125			0.842	20
Cadmium	143	ND	130	133	91.0	92.7	5	75.0-125			1.86	20
Chromium	143	31.0	151	160	84.2	90.3	5	75.0-125			5.61	20
Cobalt	143	11.4	142	145	91.2	93.6	5	75.0-125			2.38	20
Copper	143	18.7	139	150	84.2	91.8	5	75.0-125			7.47	20
Lead	143	30.0	139	148	76.5	82.8	5	75.0-125			6.27	20
Manganese	143	473	517	617	30.4	101	5	75.0-125	J6		17.7	20
Nickel	143	14.9	140	149	87.7	93.6	5	75.0-125			5.85	20
Selenium	143	ND	114	122	79.6	85.2	5	75.0-125			6.83	20
Silver	28.6	ND	25.0	25.7	86.4	88.6	5	75.0-125			2.47	20
Thallium	143	ND	120	122	83.6	85.3	5	75.0-125			1.96	20
Vanadium	143	38.3	153	165	80.1	88.8	5	75.0-125			7.89	20

L1780570-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1780570-03 09/28/24 17:29 • (MS) R4125872-5 09/28/24 17:39 • (MSD) R4125872-6 09/28/24 17:42

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Zinc	143	46.2	150	165	72.5	83.3	5	75.0-125	J6		9.86	20

Method Blank (MB)

(MB) R4126761-1 10/01/24 11:39

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Barium	U		0.152	2.50

Laboratory Control Sample (LCS)

(LCS) R4126761-2 10/01/24 11:42

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Barium	100	85.8	85.8	80.0-120	

L1780570-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1780570-02 10/01/24 11:45 • (MS) R4126761-5 10/01/24 11:55 • (MSD) R4126761-6 10/01/24 11:58

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Barium	132	69.0	169	154	75.9	64.6	5	75.0-125		J6	9.21	20

Method Blank (MB)

(MB) R4126370-2 09/29/24 06:47

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method Blank (MB)

(MB) R4126370-2 09/29/24 06:47

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*96.0*			*75.0-131*
(S) 4-Bromofluorobenzene	*96.4*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*77.8*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4126370-1 09/29/24 05:31

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.606	97.0	10.0-160	
Acrylonitrile	0.625	0.860	138	45.0-153	
Benzene	0.125	0.131	105	70.0-123	
Bromobenzene	0.125	0.130	104	73.0-121	
Bromodichloromethane	0.125	0.128	102	73.0-121	
Bromoform	0.125	0.146	117	64.0-132	
Bromomethane	0.125	0.105	84.0	56.0-147	

Laboratory Control Sample (LCS)

(LCS) R4126370-1 09/29/24 05:31

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
n-Butylbenzene	0.125	0.107	85.6	68.0-135	
sec-Butylbenzene	0.125	0.122	97.6	74.0-130	
tert-Butylbenzene	0.125	0.122	97.6	75.0-127	
Carbon tetrachloride	0.125	0.141	113	66.0-128	
Chlorobenzene	0.125	0.138	110	76.0-128	
Chlorodibromomethane	0.125	0.130	104	74.0-127	
Chloroethane	0.125	0.113	90.4	61.0-134	
Chloroform	0.125	0.135	108	72.0-123	
Chloromethane	0.125	0.130	104	51.0-138	
2-Chlorotoluene	0.125	0.111	88.8	75.0-124	
4-Chlorotoluene	0.125	0.114	91.2	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.135	108	59.0-130	
1,2-Dibromoethane	0.125	0.127	102	74.0-128	
Dibromomethane	0.125	0.139	111	75.0-122	
1,2-Dichlorobenzene	0.125	0.133	106	76.0-124	
1,3-Dichlorobenzene	0.125	0.127	102	76.0-125	
1,4-Dichlorobenzene	0.125	0.120	96.0	77.0-121	
Dichlorodifluoromethane	0.125	0.107	85.6	43.0-156	
1,1-Dichloroethane	0.125	0.139	111	70.0-127	
1,2-Dichloroethane	0.125	0.137	110	65.0-131	
1,1-Dichloroethene	0.125	0.145	116	65.0-131	
cis-1,2-Dichloroethene	0.125	0.132	106	73.0-125	
trans-1,2-Dichloroethene	0.125	0.135	108	71.0-125	
1,2-Dichloropropane	0.125	0.132	106	74.0-125	
1,1-Dichloropropene	0.125	0.141	113	73.0-125	
1,3-Dichloropropane	0.125	0.128	102	80.0-125	
cis-1,3-Dichloropropene	0.125	0.132	106	76.0-127	
trans-1,3-Dichloropropene	0.125	0.120	96.0	73.0-127	
2,2-Dichloropropane	0.125	0.138	110	59.0-135	
Di-isopropyl ether	0.125	0.142	114	60.0-136	
Ethylbenzene	0.125	0.131	105	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.163	130	57.0-150	
Isopropylbenzene	0.125	0.142	114	72.0-127	
p-Isopropyltoluene	0.125	0.119	95.2	72.0-133	
2-Butanone (MEK)	0.625	0.619	99.0	30.0-160	
Methylene Chloride	0.125	0.134	107	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.746	119	56.0-143	
Methyl tert-butyl ether	0.125	0.132	106	66.0-132	
Naphthalene	0.125	0.126	101	59.0-130	
n-Propylbenzene	0.125	0.121	96.8	74.0-126	

Laboratory Control Sample (LCS)

(LCS) R4126370-1 09/29/24 05:31

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Styrene	0.125	0.130	104	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.148	118	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.102	81.6	68.0-128	
Tetrachloroethene	0.125	0.160	128	70.0-136	
Toluene	0.125	0.132	106	75.0-121	
1,2,3-Trichlorobenzene	0.125	0.161	129	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.150	120	62.0-137	
1,1,1-Trichloroethane	0.125	0.135	108	69.0-126	
1,1,2-Trichloroethane	0.125	0.124	99.2	78.0-123	
Trichloroethene	0.125	0.162	130	76.0-126	J4
Trichlorofluoromethane	0.125	0.152	122	61.0-142	
1,2,3-Trichloropropane	0.125	0.115	92.0	67.0-129	
1,2,4-Trimethylbenzene	0.125	0.116	92.8	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.121	96.8	73.0-127	
Vinyl chloride	0.125	0.118	94.4	63.0-134	
Xylenes, Total	0.375	0.413	110	72.0-127	
(S) Toluene-d8			*96.7*	*75.0-131*	
(S) 4-Bromofluorobenzene			*95.0*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*86.0*	*70.0-130*	

L1780506-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1780506-04 09/29/24 11:10 • (MS) R4126370-3 09/29/24 16:18 • (MSD) R4126370-4 09/29/24 16:37

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.787	ND	0.395	0.422	50.2	53.6	1.02	10.0-160			6.65	40
Acrylonitrile	0.787	ND	0.826	0.837	105	106	1.02	10.0-160			1.33	40
Benzene	0.158	ND	0.162	0.148	102	93.7	1.02	10.0-149			8.76	37
Bromobenzene	0.158	ND	0.162	0.144	102	91.4	1.02	10.0-156			11.3	38
Bromodichloromethane	0.158	ND	0.155	0.143	98.4	90.6	1.02	10.0-143			8.26	37
Bromoform	0.158	ND	0.170	0.164	108	104	1.02	10.0-146			3.69	36
Bromomethane	0.158	ND	0.0898	0.0718	56.9	45.5	1.02	10.0-149			22.3	38
n-Butylbenzene	0.158	ND	0.148	0.157	93.7	99.2	1.02	10.0-160			5.67	40
sec-Butylbenzene	0.158	ND	0.158	0.155	100	98.4	1.02	10.0-159			1.57	39
tert-Butylbenzene	0.158	ND	0.162	0.159	102	101	1.02	10.0-156			1.54	39
Carbon tetrachloride	0.158	ND	0.159	0.138	101	87.5	1.02	10.0-145			14.1	37
Chlorobenzene	0.158	ND	0.178	0.173	112	109	1.02	10.0-152			2.82	39
Chlorodibromomethane	0.158	ND	0.163	0.152	103	96.1	1.02	10.0-146			7.06	37
Chloroethane	0.158	ND	0.0531	0.0369	33.7	23.4	1.02	10.0-146			36.2	40

L1780506-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1780506-04 09/29/24 11:10 • (MS) R4126370-3 09/29/24 16:18 • (MSD) R4126370-4 09/29/24 16:37

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloroform	0.158	ND	0.158	0.150	100	95.3	1.02	10.0-146			4.80	37
Chloromethane	0.158	ND	0.138	0.116	87.5	73.3	1.02	10.0-159			17.7	37
2-Chlorotoluene	0.158	ND	0.150	0.139	95.3	88.3	1.02	10.0-159			7.66	38
4-Chlorotoluene	0.158	ND	0.142	0.136	89.8	85.9	1.02	10.0-155			4.44	39
1,2-Dibromo-3-Chloropropane	0.158	ND	0.128	0.129	81.3	82.0	1.02	10.0-151			0.957	39
1,2-Dibromoethane	0.158	ND	0.163	0.150	103	95.3	1.02	10.0-148			7.87	34
Dibromomethane	0.158	ND	0.173	0.149	109	94.5	1.02	10.0-147			14.6	35
1,2-Dichlorobenzene	0.158	ND	0.169	0.169	107	107	1.02	10.0-155			0.000	37
1,3-Dichlorobenzene	0.158	ND	0.164	0.163	104	103	1.02	10.0-153			0.755	38
1,4-Dichlorobenzene	0.158	ND	0.154	0.159	97.7	101	1.02	10.0-151			3.15	38
Dichlorodifluoromethane	0.158	ND	0.111	0.0968	70.5	61.3	1.02	10.0-160			14.0	35
1,1-Dichloroethane	0.158	ND	0.159	0.145	101	92.2	1.02	10.0-147			8.91	37
1,2-Dichloroethane	0.158	ND	0.164	0.157	104	99.2	1.02	10.0-148			4.62	35
1,1-Dichloroethene	0.158	ND	0.138	0.144	87.5	91.4	1.02	10.0-155			4.37	37
cis-1,2-Dichloroethene	0.158	ND	0.157	0.147	99.2	93.0	1.02	10.0-149			6.50	37
trans-1,2-Dichloroethene	0.158	ND	0.132	0.109	83.6	68.9	1.02	10.0-150			19.3	37
1,2-Dichloropropane	0.158	ND	0.175	0.159	111	101	1.02	10.0-148			9.59	37
1,1-Dichloropropene	0.158	ND	0.166	0.153	105	96.9	1.02	10.0-153			8.49	35
1,3-Dichloropropane	0.158	ND	0.165	0.157	105	99.2	1.02	10.0-154			5.36	35
cis-1,3-Dichloropropene	0.158	ND	0.178	0.158	112	100	1.02	10.0-151			11.8	37
trans-1,3-Dichloropropene	0.158	ND	0.158	0.150	100	95.3	1.02	10.0-148			4.80	37
2,2-Dichloropropane	0.158	ND	0.149	0.122	94.5	77.6	1.02	10.0-138			19.7	36
Di-isopropyl ether	0.158	ND	0.185	0.169	117	107	1.02	10.0-147			9.06	36
Ethylbenzene	0.158	ND	0.170	0.163	108	103	1.02	10.0-160			4.44	38
Hexachloro-1,3-butadiene	0.158	ND	0.256	0.279	163	177	1.02	10.0-160	J5	J5	8.29	40
Isopropylbenzene	0.158	ND	0.189	0.194	118	121	1.02	10.0-155			2.58	38
p-Isopropyltoluene	0.158	ND	0.162	0.159	102	101	1.02	10.0-160			1.54	40
2-Butanone (MEK)	0.787	ND	0.698	0.732	88.7	93.1	1.02	10.0-160			4.83	40
Methylene Chloride	0.158	ND	0.147	0.153	93.0	96.9	1.02	10.0-141			4.12	37
4-Methyl-2-pentanone (MIBK)	0.787	ND	0.861	0.796	109	101	1.02	10.0-160			7.74	35
Methyl tert-butyl ether	0.158	ND	0.157	0.139	99.2	88.3	1.02	11.0-147			11.7	35
Naphthalene	0.158	ND	0.180	0.195	114	123	1.02	10.0-160			7.89	36
n-Propylbenzene	0.158	ND	0.153	0.147	96.9	93.0	1.02	10.0-158			4.12	38
Styrene	0.158	ND	0.173	0.170	108	106	1.02	10.0-160			1.44	40
1,1,1,2-Tetrachloroethane	0.158	ND	0.178	0.176	112	112	1.02	10.0-149			0.697	39
1,1,2,2-Tetrachloroethane	0.158	ND	0.125	0.112	78.9	70.9	1.02	10.0-160			10.7	35
Tetrachloroethene	0.158	ND	0.205	0.196	130	124	1.02	10.0-156			4.31	39
Toluene	0.158	ND	0.170	0.163	106	102	1.02	10.0-156			4.44	38
1,2,3-Trichlorobenzene	0.158	ND	0.274	0.281	173	178	1.02	10.0-160	J5	J5	2.67	40

L1780506-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1780506-04 09/29/24 11:10 • (MS) R4126370-3 09/29/24 16:18 • (MSD) R4126370-4 09/29/24 16:37

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,2,4-Trichlorobenzene	0.158	ND	0.250	0.261	159	166	1.02	10.0-160		J5	4.34	40
1,1,1-Trichloroethane	0.158	ND	0.143	0.127	90.6	80.5	1.02	10.0-144			11.9	35
1,1,2-Trichloroethane	0.158	ND	0.164	0.153	104	96.9	1.02	10.0-160			7.00	35
Trichloroethene	0.158	ND	0.187	0.179	119	113	1.02	10.0-156			4.71	38
Trichlorofluoromethane	0.158	ND	0.0827	0.0615	52.4	39.0	1.02	10.0-160			29.4	40
1,2,3-Trichloropropane	0.158	ND	0.123	0.121	77.9	76.7	1.02	10.0-156			1.52	35
1,2,4-Trimethylbenzene	0.158	ND	0.145	0.147	92.2	93.0	1.02	10.0-160			0.844	36
1,3,5-Trimethylbenzene	0.158	ND	0.155	0.152	98.4	96.1	1.02	10.0-160			2.41	38
Vinyl chloride	0.158	ND	0.126	0.108	79.7	68.3	1.02	10.0-160			15.4	37
Xylenes, Total	0.472	ND	0.492	0.475	103	99.8	1.02	10.0-160			3.57	38
(S) Toluene-d8					*97.2*	*95.9*		*75.0-131*				
(S) 4-Bromofluorobenzene					*97.8*	*99.6*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*83.6*	*82.7*		*70.0-130*				

Method Blank (MB)

(MB) R4126594-4 09/30/24 09:30

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Acrolein	U		2.54	50.0
Acrylonitrile	U		0.671	10.0
Benzene	U		0.0941	1.00
Bromobenzene	U		0.118	1.00
Bromodichloromethane	U		0.136	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
n-Butylbenzene	U		0.157	1.00
sec-Butylbenzene	U		0.125	1.00
tert-Butylbenzene	U		0.127	1.00
Carbon tetrachloride	U		0.128	1.00
Chlorobenzene	U		0.116	1.00
Chlorodibromomethane	U		0.140	1.00
Chloroethane	U		0.192	5.00
Chloroform	U		0.111	5.00
Chloromethane	U		0.960	2.50
2-Chlorotoluene	U		0.106	1.00
4-Chlorotoluene	U		0.114	1.00
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dibromoethane	U		0.126	1.00
Dibromomethane	U		0.122	1.00
1,2-Dichlorobenzene	U		0.107	1.00
1,3-Dichlorobenzene	U		0.110	1.00
1,4-Dichlorobenzene	U		0.120	1.00
Dichlorodifluoromethane	U		0.374	5.00
1,1-Dichloroethane	U		0.100	1.00
1,2-Dichloroethane	U		0.0819	1.00
1,1-Dichloroethene	U		0.188	1.00
cis-1,2-Dichloroethene	U		0.126	1.00
trans-1,2-Dichloroethene	U		0.149	1.00
1,2-Dichloropropane	U		0.149	1.00
1,1-Dichloropropene	U		0.142	1.00
1,3-Dichloropropane	U		0.110	1.00
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
2,2-Dichloropropane	U		0.161	1.00
Di-isopropyl ether	U		0.105	1.00
Ethylbenzene	U		0.137	1.00
Hexachloro-1,3-butadiene	U		0.337	1.00

Method Blank (MB)

(MB) R4126594-4 09/30/24 09:30

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Isopropylbenzene	U		0.105	1.00
p-Isopropyltoluene	U		0.120	1.00
2-Butanone (MEK)	U		1.19	10.0
Methylene Chloride	U		0.430	5.00
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
n-Propylbenzene	U		0.0993	1.00
Styrene	U		0.118	1.00
1,1,1,2-Tetrachloroethane	U		0.147	1.00
1,1,2,2-Tetrachloroethane	U		0.133	1.00
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
1,2,3-Trichloropropane	U		0.237	2.50
1,2,4-Trimethylbenzene	U		0.322	1.00
1,3,5-Trimethylbenzene	U		0.104	1.00
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*108*			*80.0-120*
(S) 4-Bromofluorobenzene	*97.1*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4126594-1 09/30/24 08:08 • (LCSD) R4126594-2 09/30/24 08:28

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	23.9	24.6	95.6	98.4	19.0-160			2.89	27
Acrolein	25.0	24.1	21.5	96.4	86.0	10.0-160			11.4	26
Acrylonitrile	25.0	25.5	25.3	102	101	55.0-149			0.787	20
Benzene	5.00	4.84	4.86	96.8	97.2	70.0-123			0.412	20
Bromobenzene	5.00	4.65	4.74	93.0	94.8	73.0-121			1.92	20
Bromodichloromethane	5.00	5.00	4.98	100	99.6	75.0-120			0.401	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4126594-1 09/30/24 08:08 • (LCSD) R4126594-2 09/30/24 08:28

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromoform	5.00	4.55	4.76	91.0	95.2	68.0-132			4.51	20
Bromomethane	5.00	9.59	10.1	192	202	10.0-160	J4	J4	5.18	25
n-Butylbenzene	5.00	4.19	4.36	83.8	87.2	73.0-125			3.98	20
sec-Butylbenzene	5.00	4.73	4.69	94.6	93.8	75.0-125			0.849	20
tert-Butylbenzene	5.00	4.52	4.54	90.4	90.8	76.0-124			0.442	20
Carbon tetrachloride	5.00	5.42	5.11	108	102	68.0-126			5.89	20
Chlorobenzene	5.00	5.00	5.22	100	104	80.0-121			4.31	20
Chlorodibromomethane	5.00	4.66	4.82	93.2	96.4	77.0-125			3.38	20
Chloroethane	5.00	7.08	7.54	142	151	47.0-150		J4	6.29	20
Chloroform	5.00	5.36	5.37	107	107	73.0-120			0.186	20
Chloromethane	5.00	5.76	6.14	115	123	41.0-142			6.39	20
2-Chlorotoluene	5.00	4.61	4.96	92.2	99.2	76.0-123			7.31	20
4-Chlorotoluene	5.00	4.62	4.63	92.4	92.6	75.0-122			0.216	20
1,2-Dibromo-3-Chloropropane	5.00	3.18	3.65	63.6	73.0	58.0-134			13.8	20
1,2-Dibromoethane	5.00	4.62	4.89	92.4	97.8	80.0-122			5.68	20
Dibromomethane	5.00	5.45	5.52	109	110	80.0-120			1.28	20
1,2-Dichlorobenzene	5.00	4.71	4.96	94.2	99.2	79.0-121			5.17	20
1,3-Dichlorobenzene	5.00	4.81	4.99	96.2	99.8	79.0-120			3.67	20
1,4-Dichlorobenzene	5.00	4.94	4.78	98.8	95.6	79.0-120			3.29	20
Dichlorodifluoromethane	5.00	4.16	4.68	83.2	93.6	51.0-149			11.8	20
1,1-Dichloroethane	5.00	5.07	5.29	101	106	70.0-126			4.25	20
1,2-Dichloroethane	5.00	5.62	5.62	112	112	70.0-128			0.000	20
1,1-Dichloroethene	5.00	4.81	4.85	96.2	97.0	71.0-124			0.828	20
cis-1,2-Dichloroethene	5.00	5.05	4.88	101	97.6	73.0-120			3.42	20
trans-1,2-Dichloroethene	5.00	4.99	4.92	99.8	98.4	73.0-120			1.41	20
1,2-Dichloropropane	5.00	5.11	5.16	102	103	77.0-125			0.974	20
1,1-Dichloropropene	5.00	4.88	4.89	97.6	97.8	74.0-126			0.205	20
1,3-Dichloropropane	5.00	4.78	5.13	95.6	103	80.0-120			7.06	20
cis-1,3-Dichloropropene	5.00	4.42	4.37	88.4	87.4	80.0-123			1.14	20
trans-1,3-Dichloropropene	5.00	4.49	4.50	89.8	90.0	78.0-124			0.222	20
2,2-Dichloropropane	5.00	4.64	3.69	92.8	73.8	58.0-130		J3	22.8	20
Di-isopropyl ether	5.00	5.28	5.21	106	104	58.0-138			1.33	20
Ethylbenzene	5.00	4.47	5.16	89.4	103	79.0-123			14.3	20
Hexachloro-1,3-butadiene	5.00	4.69	5.07	93.8	101	54.0-138			7.79	20
Isopropylbenzene	5.00	4.85	4.73	97.0	94.6	76.0-127			2.51	20
p-Isopropyltoluene	5.00	4.39	4.40	87.8	88.0	76.0-125			0.228	20
2-Butanone (MEK)	25.0	24.4	24.1	97.6	96.4	44.0-160			1.24	20
Methylene Chloride	5.00	4.74	5.20	94.8	104	67.0-120			9.26	20
4-Methyl-2-pentanone (MIBK)	25.0	24.5	26.1	98.0	104	68.0-142			6.32	20
Methyl tert-butyl ether	5.00	4.60	4.85	92.0	97.0	68.0-125			5.29	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4126594-1 09/30/24 08:08 • (LCSD) R4126594-2 09/30/24 08:28

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Naphthalene	5.00	3.03	3.33	60.6	66.6	54.0-135			9.43	20
n-Propylbenzene	5.00	4.53	4.60	90.6	92.0	77.0-124			1.53	20
Styrene	5.00	4.59	4.36	91.8	87.2	73.0-130			5.14	20
1,1,1,2-Tetrachloroethane	5.00	5.16	5.33	103	107	75.0-125			3.24	20
1,1,2,2-Tetrachloroethane	5.00	4.75	4.65	95.0	93.0	65.0-130			2.13	20
Tetrachloroethene	5.00	5.09	5.37	102	107	72.0-132			5.35	20
Toluene	5.00	5.10	5.24	102	105	79.0-120			2.71	20
1,2,3-Trichlorobenzene	5.00	4.14	4.87	82.8	97.4	50.0-138			16.2	20
1,2,4-Trichlorobenzene	5.00	4.32	4.73	86.4	94.6	57.0-137			9.06	20
1,1,1-Trichloroethane	5.00	5.41	5.05	108	101	73.0-124			6.88	20
1,1,2-Trichloroethane	5.00	4.79	5.21	95.8	104	80.0-120			8.40	20
Trichloroethene	5.00	5.22	4.84	104	96.8	78.0-124			7.55	20
Trichlorofluoromethane	5.00	5.44	5.61	109	112	59.0-147			3.08	20
1,2,3-Trichloropropane	5.00	5.22	5.12	104	102	73.0-130			1.93	20
1,2,4-Trimethylbenzene	5.00	4.31	4.53	86.2	90.6	76.0-121			4.98	20
1,3,5-Trimethylbenzene	5.00	4.70	4.74	94.0	94.8	76.0-122			0.847	20
Vinyl chloride	5.00	5.32	5.33	106	107	67.0-131			0.188	20
Xylenes, Total	15.0	14.8	15.2	98.7	101	79.0-123			2.67	20
(S) Toluene-d8				*100*	*107*	*80.0-120*				
(S) 4-Bromofluorobenzene				*94.3*	*98.6*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*110*	*105*	*70.0-130*				

Method Blank (MB)

(MB) R4127325-2 10/02/24 00:52

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00539	0.0333
Acenaphthylene	U		0.00469	0.0333
Anthracene	U		0.00593	0.0333
Benzidine	U		0.0626	1.67
Benzo(a)anthracene	U		0.00587	0.0333
Benzo(b)fluoranthene	U		0.00621	0.0333
Benzo(k)fluoranthene	U		0.00592	0.0333
Benzo(g,h,i)perylene	U		0.00609	0.0333
Benzo(a)pyrene	U		0.00619	0.0333
Bis(2-chlorethoxy)methane	U		0.0100	0.333
Bis(2-chloroethyl)ether	U		0.0110	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0144	0.333
4-Bromophenyl-phenylether	U		0.0117	0.333
2-Chloronaphthalene	U		0.00585	0.0333
4-Chlorophenyl-phenylether	U		0.0116	0.333
Chrysene	U		0.00662	0.0333
Dibenz(a,h)anthracene	U		0.00923	0.0333
3,3-Dichlorobenzidine	U		0.0123	0.333
2,4-Dinitrotoluene	U		0.00955	0.333
2,6-Dinitrotoluene	U		0.0109	0.333
Fluoranthene	U		0.00601	0.0333
Fluorene	U		0.00542	0.0333
Hexachlorobenzene	U		0.0118	0.333
Hexachloro-1,3-butadiene	U		0.0112	0.333
Hexachlorocyclopentadiene	U		0.0175	0.333
Hexachloroethane	U		0.0131	0.333
Indeno(1,2,3-cd)pyrene	U		0.00941	0.0333
Isophorone	U		0.0102	0.333
Naphthalene	U		0.00836	0.0333
Nitrobenzene	U		0.0116	0.333
n-Nitrosodimethylamine	U		0.0494	0.333
n-Nitrosodiphenylamine	U		0.0252	0.333
n-Nitrosodi-n-propylamine	U		0.0111	0.333
Phenanthrene	U		0.00661	0.0333
Benzylbutyl phthalate	U		0.0104	0.333
Bis(2-ethylhexyl)phthalate	U		0.0422	0.333
Di-n-butyl phthalate	U		0.0114	0.333
Diethyl phthalate	U		0.0110	0.333
Dimethyl phthalate	U		0.0706	0.333
Di-n-octyl phthalate	U		0.0225	0.333

Method Blank (MB)

(MB) R4127325-2 10/02/24 00:52

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Pyrene	U		0.00648	0.0333
1,2,4-Trichlorobenzene	U		0.0104	0.333
4-Chloro-3-methylphenol	U		0.0108	0.333
2-Chlorophenol	U		0.0110	0.333
2,4-Dichlorophenol	U		0.00970	0.333
2,4-Dimethylphenol	U		0.00870	0.333
4,6-Dinitro-2-methylphenol	U		0.0755	0.333
2,4-Dinitrophenol	U		0.0779	0.333
2-Nitrophenol	U		0.0119	0.333
4-Nitrophenol	U		0.0104	0.333
Pentachlorophenol	U		0.00896	0.333
Phenol	U		0.0134	0.333
2,4,6-Trichlorophenol	U		0.0107	0.333
(S) 2-Fluorophenol	*77.2*			*12.0-120*
(S) Phenol-d5	*70.4*			*10.0-120*
(S) Nitrobenzene-d5	*62.5*			*10.0-122*
(S) 2-Fluorobiphenyl	*76.0*			*15.0-120*
(S) 2,4,6-Tribromophenol	*71.9*			*10.0-127*
(S) p-Terphenyl-d14	*85.6*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4127325-1 10/02/24 00:31

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.521	78.2	38.0-120	
Acenaphthylene	0.666	0.534	80.2	40.0-120	
Anthracene	0.666	0.560	84.1	42.0-120	
Benzidine	1.33	0.713	53.6	10.0-120	
Benzo(a)anthracene	0.666	0.623	93.5	44.0-120	
Benzo(b)fluoranthene	0.666	0.589	88.4	43.0-120	
Benzo(k)fluoranthene	0.666	0.586	88.0	44.0-120	
Benzo(g,h,i)perylene	0.666	0.564	84.7	43.0-120	
Benzo(a)pyrene	0.666	0.623	93.5	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.384	57.7	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.510	76.6	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.461	69.2	23.0-120	
4-Bromophenyl-phenylether	0.666	0.584	87.7	40.0-120	
2-Chloronaphthalene	0.666	0.512	76.9	35.0-120	

Laboratory Control Sample (LCS)

(LCS) R4127325-1 10/02/24 00:31

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
4-Chlorophenyl-phenylether	0.666	0.582	87.4	40.0-120	
Chrysene	0.666	0.619	92.9	43.0-120	
Dibenz(a,h)anthracene	0.666	0.607	91.1	44.0-120	
3,3-Dichlorobenzidine	1.33	1.16	87.2	28.0-120	
2,4-Dinitrotoluene	0.666	0.654	98.2	45.0-120	
2,6-Dinitrotoluene	0.666	0.612	91.9	42.0-120	
Fluoranthene	0.666	0.605	90.8	44.0-120	
Fluorene	0.666	0.568	85.3	41.0-120	
Hexachlorobenzene	0.666	0.585	87.8	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.454	68.2	15.0-120	
Hexachlorocyclopentadiene	0.666	0.406	61.0	15.0-120	
Hexachloroethane	0.666	0.452	67.9	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.577	86.6	45.0-120	
Isophorone	0.666	0.378	56.8	23.0-120	
Naphthalene	0.666	0.401	60.2	18.0-120	
Nitrobenzene	0.666	0.373	56.0	17.0-120	
n-Nitrosodimethylamine	0.666	0.464	69.7	10.0-125	
n-Nitrosodiphenylamine	0.666	0.543	81.5	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.446	67.0	26.0-120	
Phenanthrene	0.666	0.558	83.8	42.0-120	
Benzylbutyl phthalate	0.666	0.595	89.3	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.590	88.6	41.0-120	
Di-n-butyl phthalate	0.666	0.578	86.8	43.0-120	
Diethyl phthalate	0.666	0.592	88.9	43.0-120	
Dimethyl phthalate	0.666	0.575	86.3	43.0-120	
Di-n-octyl phthalate	0.666	0.588	88.3	40.0-120	
Pyrene	0.666	0.587	88.1	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.427	64.1	17.0-120	
4-Chloro-3-methylphenol	0.666	0.425	63.8	28.0-120	
2-Chlorophenol	0.666	0.498	74.8	28.0-120	
2,4-Dichlorophenol	0.666	0.447	67.1	25.0-120	
2,4-Dimethylphenol	0.666	0.424	63.7	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.535	80.3	16.0-120	
2,4-Dinitrophenol	0.666	0.373	56.0	10.0-120	
2-Nitrophenol	0.666	0.451	67.7	20.0-120	
4-Nitrophenol	0.666	0.628	94.3	27.0-120	
Pentachlorophenol	0.666	0.510	76.6	29.0-120	
Phenol	0.666	0.467	70.1	28.0-120	
2,4,6-Trichlorophenol	0.666	0.510	76.6	37.0-120	
(S) 2-Fluorophenol			*72.5*	*12.0-120*	

Laboratory Control Sample (LCS)

(LCS) R4127325-1 10/02/24 00:31

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) Phenol-d5			*65.6*	*10.0-120*	
(S) Nitrobenzene-d5			*45.3*	*10.0-122*	
(S) 2-Fluorobiphenyl			*72.1*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*85.0*	*10.0-127*	
(S) p-Terphenyl-d14			*84.7*	*10.0-120*	

L1780291-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1780291-16 10/02/24 16:48 • (MS) R4127325-3 10/02/24 17:09 • (MSD) R4127325-4 10/02/24 17:30

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.767	ND	0.743	0.690	96.9	89.4	10	18.0-120			7.43	32
Acenaphthylene	0.767	ND	0.706	0.684	92.1	88.7	10	25.0-120			3.23	32
Anthracene	0.767	ND	0.770	0.724	100	93.9	10	22.0-120			6.18	29
Benzidine	1.54	ND	ND	ND	67.5	81.5	10	10.0-120			18.8	40
Benzo(a)anthracene	0.767	ND	0.827	0.754	90.1	80.1	10	25.0-120			9.28	29
Benzo(b)fluoranthene	0.767	ND	0.923	0.827	89.4	76.4	10	19.0-122			11.0	31
Benzo(k)fluoranthene	0.767	ND	0.795	0.731	104	94.8	10	23.0-120			8.37	30
Benzo(g,h,i)perylene	0.767	ND	0.500	0.477	43.7	40.3	10	10.0-120			4.84	33
Benzo(a)pyrene	0.767	ND	0.909	0.825	90.3	78.8	10	24.0-120			9.69	30
Bis(2-chlorethoxy)methane	0.767	ND	ND	ND	83.3	76.4	10	10.0-120			8.09	34
Bis(2-chloroethyl)ether	0.767	ND	ND	ND	95.4	87.7	10	10.0-120			7.73	40
2,2-Oxybis(1-Chloropropane)	0.767	ND	ND	ND	86.6	77.3	10	10.0-120			10.7	40
4-Bromophenyl-phenylether	0.767	ND	ND	ND	126	99.7	10	27.0-120	J5		22.9	30
2-Chloronaphthalene	0.767	ND	0.660	0.658	86.1	85.3	10	20.0-120			0.359	32
4-Chlorophenyl-phenylether	0.767	ND	ND	ND	101	93.9	10	24.0-120			6.94	29
Chrysene	0.767	ND	0.898	0.809	88.4	76.4	10	21.0-120			10.4	29
Dibenz(a,h)anthracene	0.767	ND	0.531	0.509	69.3	66.0	10	10.0-120			4.32	32
3,3-Dichlorobenzidine	1.54	ND	ND	ND	72.7	79.2	10	10.0-120			8.61	34
2,4-Dinitrotoluene	0.767	ND	ND	ND	104	89.0	10	30.0-120			14.5	31
2,6-Dinitrotoluene	0.767	ND	ND	ND	100	93.6	10	25.0-120			6.04	31
Fluoranthene	0.767	ND	0.996	0.896	84.0	70.4	10	18.0-126			10.6	32
Fluorene	0.767	ND	0.797	0.759	104	98.5	10	25.0-120			4.86	30
Hexachlorobenzene	0.767	ND	ND	ND	91.7	91.4	10	27.0-120			0.336	28
Hexachloro-1,3-butadiene	0.767	ND	ND	ND	96.9	88.2	10	10.0-120			8.81	38
Hexachlorocyclopentadiene	0.767	ND	ND	ND	0.000	0.000	10	10.0-120	J6	J6	0.000	40
Hexachloroethane	0.767	ND	ND	ND	82.3	73.9	10	10.0-120			10.0	40
Indeno(1,2,3-cd)pyrene	0.767	ND	0.535	0.512	51.2	48.0	10	10.0-120			4.29	32
Isophorone	0.767	ND	ND	ND	80.1	75.0	10	13.0-120			5.95	34

L1780291-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1780291-16 10/02/24 16:48 • (MS) R4127325-3 10/02/24 17:09 • (MSD) R4127325-4 10/02/24 17:30

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Naphthalene	0.767	ND	0.815	0.716	90.0	76.5	10	10.0-120			13.0	35
Nitrobenzene	0.767	ND	ND	ND	77.6	83.1	10	10.0-120			7.46	36
n-Nitrosodimethylamine	0.767	ND	ND	ND	0.000	0.000	10	10.0-127	J6	J6	0.000	40
n-Nitrosodiphenylamine	0.767	ND	ND	ND	92.9	90.0	10	17.0-120			2.52	29
n-Nitrosodi-n-propylamine	0.767	ND	ND	ND	98.3	78.5	10	10.0-120			21.8	37
Phenanthrene	0.767	ND	0.892	0.828	83.3	74.5	10	17.0-120			7.43	31
Benzylbutyl phthalate	0.767	ND	ND	ND	102	91.0	10	23.0-120			10.5	30
Bis(2-ethylhexyl)phthalate	0.767	ND	ND	ND	109	94.9	10	17.0-126			12.8	30
Di-n-butyl phthalate	0.767	ND	ND	ND	98.9	92.6	10	30.0-120			5.94	29
Diethyl phthalate	0.767	ND	ND	ND	95.5	93.7	10	26.0-120			1.30	28
Dimethyl phthalate	0.767	ND	ND	ND	91.4	87.7	10	25.0-120			3.44	29
Di-n-octyl phthalate	0.767	ND	ND	ND	107	92.8	10	21.0-123			14.0	29
Pyrene	0.767	0.420	1.02	0.861	77.9	57.2	10	16.0-121			16.6	32
1,2,4-Trichlorobenzene	0.767	ND	ND	ND	89.8	85.7	10	12.0-120			4.03	37
4-Chloro-3-methylphenol	0.767	ND	ND	ND	88.4	92.3	10	15.0-120			4.94	30
2-Chlorophenol	0.767	ND	ND	ND	88.9	79.8	10	15.0-120			10.2	37
2,4-Dichlorophenol	0.767	ND	ND	ND	91.2	84.5	10	20.0-120			7.01	31
2,4-Dimethylphenol	0.767	ND	ND	ND	91.2	89.9	10	10.0-120			0.850	33
4,6-Dinitro-2-methylphenol	0.767	ND	ND	ND	29.2	30.7	10	10.0-120			5.66	39
2,4-Dinitrophenol	0.648	ND	ND	ND	0.000	0.000	10	10.0-121	J6	J6	0.000	40
2-Nitrophenol	0.767	ND	ND	ND	91.0	83.7	10	12.0-120			7.75	39
4-Nitrophenol	0.767	ND	ND	ND	70.4	96.3	10	10.0-137			31.7	32
Pentachlorophenol	0.767	ND	ND	ND	75.5	67.9	10	10.0-160			9.87	31
Phenol	0.767	ND	ND	ND	82.4	77.6	10	12.0-120			5.38	38
2,4,6-Trichlorophenol	0.767	ND	ND	ND	83.2	83.0	10	19.0-120			0.370	32
(S) 2-Fluorophenol					*83.0*	*77.1*		*12.0-120*				
(S) Phenol-d5					*76.5*	*74.2*		*10.0-120*				
(S) Nitrobenzene-d5					*62.7*	*64.1*		*10.0-122*				
(S) 2-Fluorobiphenyl					*81.8*	*78.2*		*15.0-120*				
(S) 2,4,6-Tribromophenol					*78.9*	*85.3*		*10.0-127*				
(S) p-Terphenyl-d14					*98.1*	*80.7*		*10.0-120*				

Sample Narrative:

OS: Dilution due to matrix impact during extract concentration procedure.

Method Blank (MB)

(MB) R4129302-2 10/03/24 20:41

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00539	0.0333
Acenaphthylene	U		0.00469	0.0333
Anthracene	U		0.00593	0.0333
Benzidine	U		0.0626	1.67
Benzo(a)anthracene	U		0.00587	0.0333
Benzo(b)fluoranthene	U		0.00621	0.0333
Benzo(k)fluoranthene	U		0.00592	0.0333
Benzo(g,h,i)perylene	U		0.00609	0.0333
Benzo(a)pyrene	U		0.00619	0.0333
Bis(2-chlorethoxy)methane	U		0.0100	0.333
Bis(2-chloroethyl)ether	U		0.0110	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0144	0.333
4-Bromophenyl-phenylether	U		0.0117	0.333
2-Chloronaphthalene	U		0.00585	0.0333
4-Chlorophenyl-phenylether	U		0.0116	0.333
Chrysene	U		0.00662	0.0333
Dibenz(a,h)anthracene	U		0.00923	0.0333
3,3-Dichlorobenzidine	U		0.0123	0.333
2,4-Dinitrotoluene	U		0.00955	0.333
2,6-Dinitrotoluene	U		0.0109	0.333
Fluoranthene	U		0.00601	0.0333
Fluorene	U		0.00542	0.0333
Hexachlorobenzene	U		0.0118	0.333
Hexachloro-1,3-butadiene	U		0.0112	0.333
Hexachlorocyclopentadiene	U		0.0175	0.333
Hexachloroethane	U		0.0131	0.333
Indeno(1,2,3-cd)pyrene	U		0.00941	0.0333
Isophorone	U		0.0102	0.333
Naphthalene	U		0.00836	0.0333
Nitrobenzene	U		0.0116	0.333
n-Nitrosodimethylamine	U		0.0494	0.333
n-Nitrosodiphenylamine	U		0.0252	0.333
n-Nitrosodi-n-propylamine	U		0.0111	0.333
Phenanthrene	U		0.00661	0.0333
Benzylbutyl phthalate	U		0.0104	0.333
Bis(2-ethylhexyl)phthalate	U		0.0422	0.333
Di-n-butyl phthalate	U		0.0114	0.333
Diethyl phthalate	U		0.0110	0.333
Dimethyl phthalate	U		0.0706	0.333
Di-n-octyl phthalate	U		0.0225	0.333

Method Blank (MB)

(MB) R4129302-2 10/03/24 20:41

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Pyrene	U		0.00648	0.0333
1,2,4-Trichlorobenzene	U		0.0104	0.333
4-Chloro-3-methylphenol	U		0.0108	0.333
2-Chlorophenol	U		0.0110	0.333
2,4-Dichlorophenol	U		0.00970	0.333
2,4-Dimethylphenol	U		0.00870	0.333
4,6-Dinitro-2-methylphenol	U		0.0755	0.333
2,4-Dinitrophenol	U		0.0779	0.333
2-Nitrophenol	U		0.0119	0.333
4-Nitrophenol	U		0.0104	0.333
Pentachlorophenol	U		0.00896	0.333
Phenol	U		0.0134	0.333
2,4,6-Trichlorophenol	U		0.0107	0.333
(S) 2-Fluorophenol	*69.5*			*12.0-120*
(S) Phenol-d5	*62.2*			*10.0-120*
(S) Nitrobenzene-d5	*57.7*			*10.0-122*
(S) 2-Fluorobiphenyl	*57.7*			*15.0-120*
(S) 2,4,6-Tribromophenol	*48.0*			*10.0-127*
(S) p-Terphenyl-d14	*63.1*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4129302-1 10/03/24 20:20

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.335	50.3	38.0-120	
Acenaphthylene	0.666	0.342	51.4	40.0-120	
Anthracene	0.666	0.357	53.6	42.0-120	
Benzidine	1.33	0.606	45.6	10.0-120	
Benzo(a)anthracene	0.666	0.367	55.1	44.0-120	
Benzo(b)fluoranthene	0.666	0.363	54.5	43.0-120	
Benzo(k)fluoranthene	0.666	0.375	56.3	44.0-120	
Benzo(g,h,i)perylene	0.666	0.341	51.2	43.0-120	
Benzo(a)pyrene	0.666	0.373	56.0	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.321	48.2	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.362	54.4	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.344	51.7	23.0-120	
4-Bromophenyl-phenylether	0.666	0.341	51.2	40.0-120	
2-Chloronaphthalene	0.666	0.335	50.3	35.0-120	

Laboratory Control Sample (LCS)

(LCS) R4129302-1 10/03/24 20:20

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
4-Chlorophenyl-phenylether	0.666	0.337	50.6	40.0-120	
Chrysene	0.666	0.375	56.3	43.0-120	
Dibenz(a,h)anthracene	0.666	0.365	54.8	44.0-120	
3,3-Dichlorobenzidine	1.33	0.682	51.3	28.0-120	
2,4-Dinitrotoluene	0.666	0.391	58.7	45.0-120	
2,6-Dinitrotoluene	0.666	0.362	54.4	42.0-120	
Fluoranthene	0.666	0.365	54.8	44.0-120	
Fluorene	0.666	0.362	54.4	41.0-120	
Hexachlorobenzene	0.666	0.325	48.8	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.293	44.0	15.0-120	
Hexachlorocyclopentadiene	0.666	0.235	35.3	15.0-120	
Hexachloroethane	0.666	0.347	52.1	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.332	49.8	45.0-120	
Isophorone	0.666	0.309	46.4	23.0-120	
Naphthalene	0.666	0.290	43.5	18.0-120	
Nitrobenzene	0.666	0.330	49.5	17.0-120	
n-Nitrosodimethylamine	0.666	0.475	71.3	10.0-125	
n-Nitrosodiphenylamine	0.666	0.351	52.7	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.366	55.0	26.0-120	
Phenanthrene	0.666	0.354	53.2	42.0-120	
Benzylbutyl phthalate	0.666	0.380	57.1	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.375	56.3	41.0-120	
Di-n-butyl phthalate	0.666	0.370	55.6	43.0-120	
Diethyl phthalate	0.666	0.367	55.1	43.0-120	
Dimethyl phthalate	0.666	0.354	53.2	43.0-120	
Di-n-octyl phthalate	0.666	0.350	52.6	40.0-120	
Pyrene	0.666	0.368	55.3	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.287	43.1	17.0-120	
4-Chloro-3-methylphenol	0.666	0.322	48.3	28.0-120	
2-Chlorophenol	0.666	0.351	52.7	28.0-120	
2,4-Dichlorophenol	0.666	0.311	46.7	25.0-120	
2,4-Dimethylphenol	0.666	0.309	46.4	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.459	68.9	16.0-120	
2,4-Dinitrophenol	0.666	0.403	60.5	10.0-120	
2-Nitrophenol	0.666	0.347	52.1	20.0-120	
4-Nitrophenol	0.666	0.417	62.6	27.0-120	
Pentachlorophenol	0.666	0.316	47.4	29.0-120	
Phenol	0.666	0.366	55.0	28.0-120	
2,4,6-Trichlorophenol	0.666	0.323	48.5	37.0-120	
(S) 2-Fluorophenol			*64.6*	*12.0-120*	

Laboratory Control Sample (LCS)

(LCS) R4129302-1 10/03/24 20:20

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) Phenol-d5			*58.6*	*10.0-120*	
(S) Nitrobenzene-d5			*46.5*	*10.0-122*	
(S) 2-Fluorobiphenyl			*53.8*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*50.5*	*10.0-127*	
(S) p-Terphenyl-d14			*57.1*	*10.0-120*	

L1780570-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1780570-12 10/03/24 22:48 • (MS) R4129302-3 10/03/24 23:10 • (MSD) R4129302-4 10/03/24 23:31

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.857	ND	0.320	0.281	37.3	33.7	1	18.0-120			12.9	32
Acenaphthylene	0.857	ND	0.325	0.282	37.9	33.9	1	25.0-120			14.1	32
Anthracene	0.857	ND	0.359	0.322	41.8	38.7	1	22.0-120			10.6	29
Benzidine	1.71	ND	ND	ND	8.11	18.6	1	10.0-120	J6	J3	76.7	40
Benzo(a)anthracene	0.857	ND	0.369	0.331	43.1	39.8	1	25.0-120			10.7	29
Benzo(b)fluoranthene	0.857	ND	0.357	0.328	41.7	39.3	1	19.0-122			8.70	31
Benzo(k)fluoranthene	0.857	ND	0.365	0.331	42.6	39.8	1	23.0-120			9.67	30
Benzo(g,h,i)perylene	0.857	ND	0.335	0.311	39.1	37.3	1	10.0-120			7.62	33
Benzo(a)pyrene	0.857	ND	0.378	0.343	44.1	41.1	1	24.0-120			9.69	30
Bis(2-chlorethoxy)methane	0.857	ND	ND	ND	38.8	33.2	1	10.0-120			18.3	34
Bis(2-chloroethyl)ether	0.857	ND	ND	ND	44.6	38.5	1	10.0-120			17.3	40
2,2-Oxybis(1-Chloropropane)	0.857	ND	ND	ND	38.1	34.0	1	10.0-120			14.0	40
4-Bromophenyl-phenylether	0.857	ND	ND	ND	38.1	34.3	1	27.0-120			13.1	30
2-Chloronaphthalene	0.857	ND	0.315	0.274	36.7	32.9	1	20.0-120			13.6	32
4-Chlorophenyl-phenylether	0.857	ND	ND	ND	38.4	33.9	1	24.0-120			15.3	29
Chrysene	0.857	ND	0.374	0.340	43.7	40.8	1	21.0-120			9.42	29
Dibenz(a,h)anthracene	0.857	ND	0.368	0.333	42.9	39.9	1	10.0-120			9.98	32
3,3-Dichlorobenzidine	1.71	ND	0.677	0.614	39.6	36.7	1	10.0-120			9.83	34
2,4-Dinitrotoluene	0.857	ND	ND	ND	44.9	39.9	1	30.0-120			14.4	31
2,6-Dinitrotoluene	0.857	ND	ND	ND	41.1	36.5	1	25.0-120			14.6	31
Fluoranthene	0.857	ND	0.369	0.335	43.1	40.2	1	18.0-126			9.56	32
Fluorene	0.857	ND	0.352	0.307	41.1	36.8	1	25.0-120			13.8	30
Hexachlorobenzene	0.857	ND	ND	ND	36.7	33.7	1	27.0-120			11.3	28
Hexachloro-1,3-butadiene	0.857	ND	ND	ND	31.0	28.9	1	10.0-120			9.72	38
Hexachlorocyclopentadiene	0.857	ND	ND	ND	5.77	9.07	1	10.0-120	J6	J3 J6	41.8	40
Hexachloroethane	0.857	ND	ND	ND	34.1	32.3	1	10.0-120			8.29	40
Indeno(1,2,3-cd)pyrene	0.857	ND	0.335	0.311	39.1	37.3	1	10.0-120			7.62	32
Isophorone	0.857	ND	ND	ND	37.0	32.3	1	13.0-120			16.3	34

L1780570-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1780570-12 10/03/24 22:48 • (MS) R4129302-3 10/03/24 23:10 • (MSD) R4129302-4 10/03/24 23:31

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Naphthalene	0.857	ND	0.285	0.247	33.2	29.7	1	10.0-120			14.1	35
Nitrobenzene	0.857	ND	ND	ND	39.1	34.0	1	10.0-120			16.7	36
n-Nitrosodimethylamine	0.857	ND	0.449	ND	52.4	50.2	1	10.0-127			7.16	40
n-Nitrosodiphenylamine	0.857	ND	ND	ND	40.9	37.7	1	17.0-120			10.9	29
n-Nitrosodi-n-propylamine	0.857	ND	ND	ND	42.1	36.6	1	10.0-120			16.7	37
Phenanthrene	0.857	ND	0.361	0.324	42.1	38.8	1	17.0-120			11.0	31
Benzylbutyl phthalate	0.857	ND	ND	ND	46.2	43.0	1	23.0-120			9.95	30
Bis(2-ethylhexyl)phthalate	0.857	ND	ND	ND	45.3	43.3	1	17.0-126			7.25	30
Di-n-butyl phthalate	0.857	ND	ND	ND	44.1	41.6	1	30.0-120			8.57	29
Diethyl phthalate	0.857	ND	ND	ND	43.5	38.7	1	26.0-120			14.5	28
Dimethyl phthalate	0.857	ND	ND	ND	41.8	37.3	1	25.0-120			14.3	29
Di-n-octyl phthalate	0.857	ND	ND	ND	47.0	44.1	1	21.0-123			9.08	29
Pyrene	0.857	ND	0.372	0.330	43.4	39.6	1	16.0-121			11.8	32
1,2,4-Trichlorobenzene	0.857	ND	ND	ND	31.7	29.2	1	12.0-120			11.1	37
4-Chloro-3-methylphenol	0.857	ND	ND	ND	36.4	34.0	1	15.0-120			9.57	30
2-Chlorophenol	0.857	ND	ND	ND	42.4	36.8	1	15.0-120			17.0	37
2,4-Dichlorophenol	0.857	ND	ND	ND	39.3	33.9	1	20.0-120			17.6	31
2,4-Dimethylphenol	0.857	ND	ND	ND	37.3	33.4	1	10.0-120			13.9	33
4,6-Dinitro-2-methylphenol	0.857	ND	0.479	ND	55.9	51.4	1	10.0-120			11.1	39
2,4-Dinitrophenol	0.857	ND	0.517	0.476	60.3	57.1	1	10.0-121			8.08	40
2-Nitrophenol	0.857	ND	ND	ND	40.2	35.9	1	12.0-120			14.1	39
4-Nitrophenol	0.857	ND	0.461	ND	53.8	49.2	1	10.0-137			11.6	32
Pentachlorophenol	0.857	ND	ND	ND	41.5	37.7	1	10.0-160			12.4	31
Phenol	0.857	ND	ND	ND	32.2	39.1	1	12.0-120			16.8	38
2,4,6-Trichlorophenol	0.857	ND	ND	ND	37.8	34.0	1	19.0-120			13.2	32
(S) 2-Fluorophenol					*51.5*	*43.9*		*12.0-120*				
(S) Phenol-d5					*31.3*	*40.2*		*10.0-120*				
(S) Nitrobenzene-d5					*36.0*	*32.3*		*10.0-122*				
(S) 2-Fluorobiphenyl					*39.9*	*34.5*		*15.0-120*				
(S) 2,4,6-Tribromophenol					*42.6*	*37.7*		*10.0-127*				
(S) p-Terphenyl-d14					*45.3*	*41.0*		*10.0-120*				

Method Blank (MB)

(MB) R4126802-2 09/28/24 16:44

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
1,4-Dioxane	U		0.00710	0.100
(S) Nitrobenzene-d5	*86.8*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4126802-1 09/28/24 16:25

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,4-Dioxane	0.666	0.771	116	50.0-150	
(S) Nitrobenzene-d5			*89.2*	*10.0-120*	

L1780570-14 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1780570-14 09/28/24 21:31 • (MS) R4126802-3 09/28/24 21:50 • (MSD) R4126802-4 09/28/24 22:09

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,4-Dioxane	0.989	ND	1.10	1.17	111	122	1	50.0-150			6.33	20
(S) Nitrobenzene-d5					*78.6*	*67.7*		*10.0-120*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

GLOSSARY OF TERMS

Qualifier	Description
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
S&ME Inc. - Raleigh NC

3201 Spring Forest Road
Raleigh, NC 27616

Billing Information:
Accounts Payable
3201 Spring Forest Rd.

(smeinc_invoice@concursolution

Report to:
Mr. Jerry Paul

Email To: jpaul@smeinc.com

Project Description:
Northgate Park

City/State Collected: Durham, NC

Please Circle: PT MT CT ET

Phone: **919-872-2660**

Client Project #

Lab Project #
SMERLNC-NORTHGATE

Collected by (print):
Emily Hermann

Site/Facility ID #

P.O. #

Collected by (signature):
EH

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

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MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1780570
A226

Acctnum: SMERLNC
Template: T258258
Prelogin: P1094705
PM: 034 - Craig Cothron
PB: 8·13·24 BK
Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Metals 2ozClr-NoPres	NH3,NITRATE,SULFATE 4ozClr-NoPres	SV8270DIOXANE 4ozAmb-NoPres	TS,SV8270 4ozClr-NoPres	V8260 40mlAmb-HCl-Blk	V8260 40mlAmb/MeOH10ml/Syr	Remarks	Sample # (lab only)
NG_PLAYGROUND 1_SB-01	C	SS	12"	9/19/24	1315	6	X	X	X	X		X		-01
NG_PLAYGROUND 1_SB-02	"	SS	"	"	1320	6	X	X	X	X		X		-02
NG_PLAYGROUND 1_SB-03	"	SS	"	"	1325	6	X	X	X	X		X		-03
NG_PLAYGROUND 2_SB-01	"	SS	"	"	1445	6	X	X	X	X		X		-04
NG_PLAYGROUND 2_SB-02	"	SS	"	"	1450	6	X	X	X	X		X		-05
NG_PLAYGROUND 2_SB-03	"	SS	"	"	1455	6	X	X	X	X		X		-06
NG_PLAYGROUND 2_SB-04	"	SS	"	"	1500	6	X	X	X	X		X		-07
NG_PLAYGROUND 2_SB-05	"	SS	"	"	1505	6	X	X	X	X		X		-08
NG_PLAYGROUND 2_SB-06	"	SS	"	"	1510	6	X	X	X	X		X		-09
NG_PLAYGROUND 3_SB-01	"	SS	"	"	1515	6	X	X	X	X		X		-10

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: accidentally swapped labels for playground 2 & 3
GO by label on outside of plastic bag

pH _____ Temp _____
Flow _____ Other _____

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	If preservation required by Login: Date/Time
[signature]	9/20/24	1525	[signature]	2	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	
[signature]	9/20/24	1542		84	
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: Condition: NCF / OK
[signature]			DCMyers	9.21.24 0900	

Company Name/Address:
S&ME Inc. - Raleigh NC

3201 Spring Forest Road
Raleigh, NC 27616

Billing Information:
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Project Description:
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Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Metals 2ozClr-NoPres	NH3,NITRATE,SULFATE 4ozClr-NoPres	SV8270DIOXANE 4ozAmb-NoPres	TS,SV8270 4ozClr-NoPres	V8260 40mlAmb-HCl-Blk	V8260 40mlAmb/MeOH10ml/Syr				Remarks	Sample # (lab only)
NG_PLAYGROUND 3_SB-02	C	SS	12"	9/19/24	1520	6	X	X	X	X		X					-11
NG_PLAYGROUND 3_SB-03	"	SS	"	"	1525	6	X	X	X	X		X					-12
NG_PLAYGROUND 3_SB-04	"	SS	"	"	1530	6	X	X	X	X		X					-13
DUPLICATE	"	SS	"	"	—	6	X	X	X	X		X					-14
TRIP BLANK		GW				2					X						-15

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

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12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1760570

Table #

Acctnum: **SMERLNC**
Template: **T258258**
Prelogin: **P1094705**
PM: **034 - Craig Cothron**
PB: 8·13·24 BK

Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	9/20/24	1525		2	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	
	9/20/24	1700		84	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: Condition: NCF / OK
				9-21-24 0900	

LT780570

Tracking Numbers	Temperature
5349 7819 8657	2.6 ± 0.3 = 2.9 TLAG
5349 7819 8646	2.3 ± 0.3 = 2.6 TLAG

Dengng
Name

9.12.24
Date

EMSL Analytical, Inc.

706 Gralin Street, Kernersville, NC, 27284
Telephone: (336)-992-1025 Fax:(336)-992-4175
EMSL-KE-02

EMSL Order ID: 022450319
LIMS Reference ID: KC50319
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: [none]
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 09/23/2024 08:30
Reported: 09/24/2024 07:37

Analytical Results

Analyte	Results	RL	Volume(L)	Prep Date & Tech	Prep Method	Analysis Date & Analyst	Analytical Method	Q	DF
Client Sample ID: 825-Pb-01/upwind									**Date Sampled: 09/20/24**
Matrix: Cassettes									**LIMS Reference ID: KC50319-01**
Lead	<23 ug/m³	23 ug/m³	174	09/23/24 JC	NIOSH 7082	09/23/24 JC	NIOSH 7082		1
Sample Comments:									

EMSL Analytical, Inc.

706 Gralin Street, Kernersville, NC, 27284
Telephone: (336)-992-1025 Fax:(336)-992-4175
EMSL-KE-02

EMSL Order ID: 022450319
LIMS Reference ID: KC50319
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: [none]
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 09/23/2024 08:30
Reported: 09/24/2024 07:37

Certified Analyses included in this Report

Analyte	Certifications
NIOSH 7082 in Cassettes	
Lead	02-AIHA ELLAP

List of Certifications

Code	Description	Number	Expires
02-AIHA ELLAP	American Industrial Hygiene Association (AIHA-LAP) - ELLAP	102564	06/01/2026
02-AIHA EMLAP	American Industrial Hygiene Association (AIHA-LAP) - EMLAP	102564	06/01/2026
02-AIHA IHLAP	American Industrial Hygiene Association (AIHA-LAP) - IHLAP	102564	06/01/2026

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

Notes and Definitions

Item	Definition
(Dig)	For metals analysis, sample was digested.
[2C]	Reported from the second channel in dual column analysis.
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
RL	Reporting Limit
Wet	Sample is not dry weight corrected.

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

EMSL Analytical, Inc.

706 Gralin Street, Kernersville, NC, 27284
Telephone: (336)-992-1025 Fax:(336)-992-4175
EMSL-KE-02

EMSL Order ID: 022450319
LIMS Reference ID: KC50319
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: [none]

Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 09/23/2024 08:30
Reported: 09/24/2024 07:37

James Cole

James Cole Laboratory Manager or other approved signatory

Analysis following EMSL SOP for the Determination of Environmental Lead by FLAA. The laboratory has a reporting limit of 4 µg/filter and is not responsible for any result or reporting limit provided in µg/m3 since it is dependent upon a volume value provided by non-lab personnel. A "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty and definitions of modifications are available upon request. Results in this report are not blank corrected unless specified.

EMSL ANALYTICAL, INC.
TESTING LABS • PRODUCTS • TRAINING

Lead Chain of Custody

EMSL Order Number / Lab Use Only

KCS0319

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

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

Customer Information		Billing Information	
Customer ID:		Billing ID:	
Company Name:	S & ME, INC	Company Name:	S&ME, INC
Contact Name:	Gerald Paul	Billing Contact:	Same
Street Address:	3201 Spring Forest Rd	Street Address:	
City, State, Zip:	Raleigh, NC 27616	City, State, Zip:	
Country:	US	Country:	
Phone:		Phone:	
Email(s) for Report:	Jpaul@smeinc.com	Email(s) for Invoice:	

Project Information

Project Name/No:		Purchase Order:	
EMSL LIMS Project ID: (If applicable, EMSL will provide)		US State where samples collected: NC	State of Connecticut (CT) must select project location: ☐ Commercial (Taxable) ☐ Residential (Non-Taxable)
Sampled By Name:	Sampled By Signature:		No. of Samples in Shipment

Turn-Around-Time (TAT)

☐ 3 Hour ☐ 6 Hour ☑ 24 Hour ☐ 32 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

Please call ahead for large projects and/or turnaround times 6 Hours or Less. *32 Hour TAT available for select tests only; samples must be submitted by 11:30am.

MATRIX	METHOD	INSTRUMENT	REPORTING LIMIT	SELECTION
CHIPS ☐ % by wt. ☐ ppm (mg/kg) ☐ mg/cm²	SW 846-7000B	Flame Atomic Absorption	0.008% (80ppm)	☐
*Reporting Limit based on a minimum 0.25g sample weight	SW 846-6010D*	ICP-OES	0.0004% (4ppm)	☐
AIR	NIOSH 7082	Flame Atomic Absorption	4µg/filter	☐
	NIOSH 7300M / NIOSH 7303M	ICP-OES	0.5µg/filter	☐
	NIOSH 7300M / NIOSH 7303M	ICP-MS	0.05µg/filter	☐
WIPE ☐ ASTM ☐ NON-ASTM	SW 846-7000B	Flame Atomic Absorption	10µg/wipe	☐
*If no box is checked, non-ASTM Wipe is assumed	SW 846-6010D*	ICP-OES	1.0µg/wipe	☐
TCLP	SW 846-1311 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	SW 846-1311 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
SPLP	SW 846-1312 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	SW 846-1312 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
TTLC	22 CCR App. II, 7000B/7420	Flame Atomic Absorption	40mg/kg (ppm)	☐
	22 CCR App. II, SW 846-6010D*	ICP-OES	2mg/kg (ppm)	☐
STLC	22 CCR App. II, 7000B/7420	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	22 CCR App. II, SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
Soil	SW 846-7000B	Flame Atomic Absorption	40mg/kg (ppm)	☐
	SW 846-6010D*	ICP-OES	2mg/kg (ppm)	☐
Wastewater	SM 3111B / SW 846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
Unpreserved ☐ / Preserved with HNO3 ☐ PH<2	EPA 200.7	ICP-OES	0.020 mg/L (ppm)	☐
Drinking Water	EPA 200.5	ICP-OES	0.003 mg/L (ppm)	☐
Unpreserved ☐ / Preserved with HNO3 ☐ PH<2	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	☐
TSP/SPM Filter	40 CFR Part 50	ICP-OES	12 µg/filter	☐
Other:				☐

Sample Number	Sample Location	Volume / Area	Date / Time Sampled
825 - Pb - 01	upwind	174 L	9/20/24

Method of Shipment:		Sample Condition Upon Receipt:	
Relinquished by: Emily Hermann	Date/Time: 9/20/24	Received by:	Date/Time 9/20/24 3:05
Relinquished by:	Date/Time:	Received by:	Date/Time 9-23-24 8:30

Controlled Document - COC-25 Lead R15 4/5/2021

*6010C Available Upon Request

☐ 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. co... acceptance and acknowledgment of all terms and conditions by Customer.

FT 7787 2511 4178

EMSL Analytical, Inc.

706 Gralin Street, Kernersville, NC, 27284
Telephone: (336)-992-1025 Fax:(336)-992-4175
EMSL-KE-02

EMSL Order ID: 022450403
LIMS Reference ID: KC50403
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
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 10/08/2024 09:10
Reported: 10/09/2024 08:15

Analytical Results

Analyte	Results	RL	Volume(L)	Prep Date & Tech	Prep Method	Analysis Date & Analyst	Analytical Method	Q	DF
Client Sample ID: 825-Pb-02/downwind									**Date Sampled: 09/23/24**
Matrix: Cassettes									**LIMS Reference ID: KC50403-01**
Lead	<6.2 ug/m³	6.2 ug/m³	650	10/08/24 JC	NIOSH 7082	10/08/24 JC	NIOSH 7082		1
Sample Comments:									

EMSL Analytical, Inc.

706 Gralin Street, Kernersville, NC, 27284
Telephone: (336)-992-1025 Fax:(336)-992-4175
EMSL-KE-02

EMSL Order ID: 022450403
LIMS Reference ID: KC50403
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
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 10/08/2024 09:10
Reported: 10/09/2024 08:15

Certified Analyses included in this Report

Analyte	Certifications
NIOSH 7082 in Cassettes	
Lead	02-AIHA ELLAP

List of Certifications

Code	Description	Number	Expires
02-AIHA ELLAP	American Industrial Hygiene Association (AIHA-LAP) - ELLAP	102564	06/01/2026
02-AIHA EMLAP	American Industrial Hygiene Association (AIHA-LAP) - EMLAP	102564	06/01/2026

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Notes and Definitions

Item	Definition
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[2C]	Reported from the second channel in dual column 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
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.

James Cole

James Cole Laboratory Manager or other approved signatory

Analysis following EMSL SOP for the Determination of Environmental Lead by FLAA. The laboratory has a reporting limit of 4 µg/filter and is not responsible for any result or reporting limit provided in µg/m3 since it is dependent upon a volume value provided by non-lab personnel. A "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty and definitions of modifications are available upon request. Results in this report are not blank corrected unless specified.

EMSL ANALYTICAL, INC.
TESTING LABS • PRODUCTS • TRAINING

Lead Chain of Custody

EMSL Order Number / Lab Use Only

KC50403

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

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

Customer Information		Billing Information	
Customer ID:		Billing ID:	
Company Name:	S&ME	Company Name:	S&ME
Contact Name:	Gerald Paul	Billing Contact:	same
Street Address:	3201 Spring Forest Rd	Street Address:	
City, State, Zip:	Raleigh, NC 27616	City, State, Zip:	
Country:	US	Country:	
Phone:	919-801-6482	Phone:	
Email(s) for Report:	jpaul@smeinc.com	Email(s) for Invoice:	

Project Information

Project Name/No:	City of Durham Parks 23050630	Purchase Order:	
EMSL LIMS Project ID: (If applicable, EMSL will provide)		US State where samples collected:	NC

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

Sampled By Name:	Sampled By Signature:	No. of Samples in Shipment

Turn-Around-Time (TAT)

☐ 3 Hour ☐ 6 Hour ☑ 24 Hour ☐ 32 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

Please call ahead for large projects and/or turnaround times 6 Hours or Less. *32 Hour TAT available for select tests only; samples must be submitted by 11:30am.

MATRIX	METHOD	INSTRUMENT	REPORTING LIMIT	SELECTION
CHIPS ☐ % by wt. ☐ ppm (mg/kg) ☐ mg/cm²	SW 846-7000B	Flame Atomic Absorption	0.008% (80ppm)	☐
*Reporting Limit based on a minimum 0.25g sample weight	SW 846-6010D*	ICP-OES	0.0004% (4ppm)	☐
AIR	NIOSH 7082	Flame Atomic Absorption	4µg/filter	☑
	NIOSH 7300M / NIOSH 7303M	ICP-OES	0.5µg/filter	☐
	NIOSH 7300M / NIOSH 7303M	ICP-MS	0.05µg/filter	☐
WIPE ☐ ASTM ☐ NON-ASTM	SW 846-7000B	Flame Atomic Absorption	10µg/wipe	☐
*If no box is checked, non-ASTM Wipe is assumed	SW 846-6010D*	ICP-OES	1.0µg/wipe	☐
TCLP	SW 846-1311 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	SW 846-1311 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
SPLP	SW 846-1312 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	SW 846-1312 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
TTLC	22 CCR App. II, 7000B/7420	Flame Atomic Absorption	40mg/kg (ppm)	☐
	22 CCR App. II, SW 846-6010D*	ICP-OES	2mg/kg (ppm)	☐
STLC	22 CCR App. II, 7000B/7420	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	22 CCR App. II, SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
Soil	SW 846-7000B	Flame Atomic Absorption	40mg/kg (ppm)	☐
	SW 846-6010D*	ICP-OES	2mg/kg (ppm)	☐
Wastewater	SM 3111B / SW 846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
Unpreserved ☐ / Preserved with HNO3 ☐ PH<2	EPA 200.7	ICP-OES	0.020 mg/L (ppm)	☐
Drinking Water	EPA 200.5	ICP-OES	0.003 mg/L (ppm)	☐
Unpreserved ☐ / Preserved with HNO3 ☐ PH<2	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	☐
TSP/SPM Filter	40 CFR Part 50	ICP-OES	12 µg/filter	☐
Other:				☐

Sample Number	Sample Location	Volume / Area	Date / Time Sampled
825-Pb-02	downwind	776 L	9/23/24

Method of Shipment:		Sample Condition Upon Receipt:	
Relinquished by: Emily Hermann	Date/Time: 10/7/24	Received by:	Date/Time 10/7/24 4:08
Relinquished by:	Date/Time:	Received by:	Date/Time 10.8.24 9:10

Controlled Document - COC-25 Lead R15 4/5/2021

*6010C Available Upon Request

☐ 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. c... acceptance and acknowledgment of all terms and conditions by Customer.

IT 7790 7024 8271

Appendix V – Coordinates of Soil Borings

APPENDIX V
Coordinates of Selected Features
Northgate Park, NONCD0000825
Durham, Durham County, North Carolina
S&ME Project No.: 23050230, Task Order 821RI-4

Site Feature	Type	Location			
		Latitude	Longitude	Easting	Northing
NP_Playground 1-SB-01-1	Soil Cover Boring	36.02144	-78.89565	689621.97800	3988374.84400
NP_Playground 1-SB-01-2	Soil Cover Boring	36.02146	-78.89562	689624.63300	3988377.12100
NP_Playground 1-SB-01-3	Soil Cover Boring	36.02144	-78.89559	689627.38500	3988374.96100
NP_Playground 1-SB-01-4	Soil Cover Boring	36.02144	-78.89562	689624.68100	3988374.90200
NP_Playground 1-SB-02-1	Soil Cover Boring	36.02141	-78.89566	689621.14800	3988371.49600
NP_Playground 1-SB-02-2	Soil Cover Boring	36.02141	-78.89559	689627.45700	3988371.63300
NP_Playground 1-SB-02-3	Soil Cover Boring	36.02137	-78.89559	689627.55300	3988367.19500
NP_Playground 1-SB-02-4	Soil Cover Boring	36.02137	-78.89565	689622.14500	3988367.07800
NP_Playground 1-SB-02-5	Soil Cover Boring	36.02139	-78.89562	689624.80100	3988369.35600
NP_Playground 1-SB-03-1	Soil Cover Boring	36.02134	-78.89564	689623.11900	3988363.77000
NP_Playground 1-SB-03-2	Soil Cover Boring	36.02135	-78.89557	689629.40300	3988365.01500
NP_Playground 1-SB-03-3	Soil Cover Boring	36.02131	-78.89556	689630.40000	3988360.59700
NP_Playground 1-SB-03-4	Soil Cover Boring	36.02130	-78.89559	689627.72100	3988359.42900
NP_Playground 1-SB-03-5	Soil Cover Boring	36.02133	-78.89560	689626.74700	3988362.73800
NP_Playground 2-SB-01-1	Soil Cover Boring	36.02220	-78.89589	689598.52700	3988458.69000
NP_Playground 2-SB-01-2	Soil Cover Boring	36.02215	-78.89588	689599.54800	3988453.16200
NP_Playground 2-SB-01-3	Soil Cover Boring	36.02217	-78.89586	689601.30200	3988455.42000
NP_Playground 2-SB-01-4	Soil Cover Boring	36.02217	-78.89588	689599.50000	3988455.38100
NP_Playground 2-SB-02-1	Soil Cover Boring	36.02218	-78.89583	689603.98200	3988456.58800
NP_Playground 2-SB-02-2	Soil Cover Boring	36.02219	-78.89581	689605.76000	3988457.73600
NP_Playground 2-SB-02-3	Soil Cover Boring	36.02221	-78.89586	689601.20600	3988459.85800
NP_Playground 2-SB-02-4	Soil Cover Boring	36.02219	-78.89584	689603.05700	3988457.67800
NP_Playground 2-SB-03-1	Soil Cover Boring	36.02211	-78.89581	689605.95200	3988448.86100
NP_Playground 2-SB-03-2	Soil Cover Boring	36.02214	-78.89584	689603.17600	3988452.13100
NP_Playground 2-SB-03-3	Soil Cover Boring	36.02213	-78.89587	689600.49700	3988450.96300
NP_Playground 2-SB-03-4	Soil Cover Boring	36.02209	-78.89584	689603.29600	3988446.58400
NP_Playground 2-SB-03-5	Soil Cover Boring	36.02211	-78.89584	689603.24800	3988448.80300
NP_Playground 2-SB-04-1	Soil Cover Boring	36.02212	-78.89578	689608.63200	3988450.02900
NP_Playground 2-SB-04-2	Soil Cover Boring	36.02216	-78.89581	689605.83200	3988454.40800
NP_Playground 2-SB-04-3	Soil Cover Boring	36.02218	-78.89578	689608.48800	3988456.68500
NP_Playground 2-SB-04-4	Soil Cover Boring	36.02216	-78.89574	689612.14100	3988454.54400
NP_Playground 2-SB-04-5	Soil Cover Boring	36.02215	-78.89577	689609.46100	3988453.37600
NP_Playground 2-SB-05-1	Soil Cover Boring	36.02207	-78.89582	689605.14700	3988444.40400
NP_Playground 2-SB-05-2	Soil Cover Boring	36.02209	-78.89579	689607.80200	3988446.68100
NP_Playground 2-SB-05-3	Soil Cover Boring	36.02208	-78.89578	689608.72800	3988445.59100
NP_Playground 2-SB-05-4	Soil Cover Boring	36.02208	-78.89580	689606.92500	3988445.55200
NP_Playground 2-SB-06-1	Soil Cover Boring	36.02211	-78.89576	689610.45800	3988448.95800
NP_Playground 2-SB-06-2	Soil Cover Boring	36.02213	-78.89573	689613.11400	3988451.23600
NP_Playground 2-SB-06-3	Soil Cover Boring	36.02210	-78.89573	689613.18600	3988447.90700
NP_Playground 3-SB-01-1	Soil Cover Boring	36.02206	-78.89551	689633.10800	3988443.89800
NP_Playground 3-SB-01-2	Soil Cover Boring	36.02209	-78.89548	689635.74000	3988447.28500
NP_Playground 3-SB-01-3	Soil Cover Boring	36.02207	-78.89546	689637.59000	3988445.10500
NP_Playground 3-SB-01-4	Soil Cover Boring	36.02204	-78.89548	689635.86000	3988441.73800
NP_Playground 3-SB-01-5	Soil Cover Boring	36.02206	-78.89548	689635.81200	3988443.95700
NP_Playground 3-SB-02-1	Soil Cover Boring	36.02210	-78.89547	689636.61700	3988448.41400
NP_Playground 3-SB-02-2	Soil Cover Boring	36.02212	-78.89544	689639.27300	3988450.69100
NP_Playground 3-SB-02-3	Soil Cover Boring	36.02210	-78.89542	689641.12300	3988448.51100
NP_Playground 3-SB-02-4	Soil Cover Boring	36.02208	-78.89543	689640.27000	3988446.27300
NP_Playground 3-SB-02-5	Soil Cover Boring	36.02210	-78.89544	689639.32100	3988448.47200
NP_Playground 3-SB-03-1	Soil Cover Boring	36.02207	-78.89542	689641.19500	3988445.18300
NP_Playground 3-SB-03-2	Soil Cover Boring	36.02209	-78.89540	689642.95000	3988447.44100
NP_Playground 3-SB-03-3	Soil Cover Boring	36.02206	-78.89537	689645.72500	3988444.17100
NP_Playground 3-SB-03-4	Soil Cover Boring	36.02205	-78.89539	689643.94700	3988443.02300
NP_Playground 3-SB-03-5	Soil Cover Boring	36.02207	-78.89539	689643.89900	3988445.24100
NP_Playground 3-SB-04-1	Soil Cover Boring	36.02203	-78.89546	689637.68600	3988440.66800
NP_Playground 3-SB-04-2	Soil Cover Boring	36.02205	-78.89544	689639.44100	3988442.92500
NP_Playground 3-SB-04-3	Soil Cover Boring	36.02203	-78.89541	689642.19200	3988440.76500
NP_Playground 3-SB-04-4	Soil Cover Boring	36.02201	-78.89543	689640.43800	3988438.50700
NP_Playground 3-SB-04-5	Soil Cover Boring	36.02203	-78.89543	689640.39000	3988440.72600

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

Appendix VI – Risk Calculators

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	July 2024
Basis:	May 2024 EPA RSL Table
Site Name:	Northgate Park
Site Address:	300 W Club Blvd, Durham NC 27704
DEQ Section:	NONCD0000825
Site ID:	RI-3 Playground Removal
Exposure Unit ID:	Northgate Park RI-3 Playground-1 RC-1
Submittal Date:	1/16/2025
Prepared By:	Emily Hermann
Reviewed By:	Gerald Paul

Exposure Point Concentrations **Input Form 2A**

Version Date: July 2024

Basis: May 2024 EPA RSL Table

Site ID: RI-3 Playground Removal

Exposure Unit ID: Northgate Park RI-3 Playground-1 RC-1

Soil Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

Risk Calculator Run 1 for Playground-1: Removed constituents below USEPA Regional Screening Levels (RSL). The RSL for toluene was used as the surrogate for p-Isopropyltoluene; the RSL was not exceeded. The RSL for pyrene was used as the surrogate for acenaphthylene, benzo[g,h,i]perylene and phenanthrene. The cumulative total of acenaphthylene, benzo[g,h,i]perylene, phenanthrene and pyrene did not exceed the RSL for pyrene. Cobalt, Manganese, and Vanadiums highest concentration DUP-1 has an RPD under 50%, the average of 1-SB-01 and DUP-1 was input into the risk calculator for each constituent

NOTE: If the chemical list is changed from a prior calculator run, remember to select "See All Chemicals" on the data output sheet or newly added chemicals will not be included in risk calculations

Exposure Point Concentration (mg/kg)	Notes:	CAS Number	Chemical **For the chemicals highlighted in blue, data entry notes are provided in the PSRG Table link on the Main Menu**	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening	Background Value	Screening Toxicity Value (Screening Level) (n/c)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion
16.7	P1	7664-41-7	Ammonia			mg/kg	SB-01									
3.1		7440-38-2	Arsenic, Inorganic			mg/kg	SB-03									
12.5		7440-48-4	Cobalt			mg/kg	DUP-1 (SB-03)									
51.2		7439-92-1	~Lead and Compounds			mg/kg	SB-01									
492		7439-96-5	Manganese (Non-diet)			mg/kg	DUP-1 (SB-03)									
39.35		7440-62-2	Vanadium and Compounds			mg/kg	DUP-1 (SB-03)									

Risk for Individual Pathways **Output Form 1A**

Version Date: July 2024

Basis: May 2024 EPA RSL Table

Site ID: RI-3 Playground Removal

Exposure Unit ID: Northgate Park RI-3 Playground-1 RC-1

DIRECT CONTACT SOIL AND WATER CALCULATORS				
Receptor	**Pathway**	**Carcinogenic Risk**	**Hazard Index**	**Risk exceeded?**
Resident	Soil	4.6E-06	9.8E-01	NO
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	1.0E-06	6.6E-02	NO
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	NC	NC	NC
	Surface Water*	NC	NC	NC

VAPOR INTRUSION CALCULATORS				
Receptor	**Pathway**	**Carcinogenic Risk**	**Hazard Index**	**Risk exceeded?**
Resident	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	NC	NC	NC
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	NC	NC	NC
	Indoor Air	NC	NC	NC

CONTAMINANT MIGRATION CALCULATORS			
Pathway	**Source**	**Target Receptor Concentrations Exceeded?**	
Groundwater	Source Soil	Exceedence of 2L at Receptor?	NC
	Source Groundwater	Exceedence of 2L at Receptor?	NC
Surface Water	Source Soil	Exceedence of 2B at Receptor?	NC
	Source Groundwater	Exceedence of 2B at Receptor?	NC

Notes:

1. If lead concentrations were entered in the exposure point concentration tables, see the individual calculator sheets for lead concentrations in comparison to screening levels. Note that lead is not included in cumulative risk calculations.

2. * = If concentrations in groundwater exceed the NC 2L Standards or IMAC, or concentrations in surface water exceed the NC 2B Standards, appropriate remediation and/or institutional control measures will be necessary to be eligible for a risk-based closure.
3. NM = Not modeled, required contaminant migration parameters were not entered.
4. NC = Pathway not calculated, user did not check this pathway as complete.

DEQ Risk Calculator - Direct Contact - Resident Soil **Output Form 2A**

Version Date: July 2024

Basis: May 2024 EPA RSL Table

Site ID: RI-3 Playground Removal

Exposure Unit ID: Northgate Park RI-3 Playground-1 RC-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
7664-41-7	Ammonia	16.7	16.7	16.7							5.4E-10	5.4E-10
7440-38-2	Arsenic, Inorganic	3.1	3.1	3.1	**4.0E-06**	5.6E-07	8.0E-11	4.6E-06	7.9E-02	9.4E-03	3.3E-06	8.9E-02
7440-48-4	Cobalt	12.5	12.5	12.5			6.8E-10	6.8E-10	**5.3E-01**		3.4E-05	**5.3E-01**
7439-92-1	~Lead and Compounds	51.2	51.2	51.2					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	492	492	492					**2.6E-01**		1.6E-04	**2.6E-01**
7440-62-2	Vanadium and Compounds	39.35	39.35	39.35					1.0E-01		6.4E-06	1.0E-01
						Cumulative:		4.6E-06				9.8E-01

DEQ Risk Calculator - Direct Contact - Non-Residential Worker Soil **Output Form 2C**

Version Date: July 2024

Basis: May 2024 EPA RSL Table

Site ID: RI-3 Playground Removal

Exposure Unit ID: Northgate Park RI-3 Playground-1 RC-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
7440-38-2	Arsenic, Inorganic	3.1	3.1	3.1	8.5E-07	1.8E-07	1.8E-11	**1.0E-06**	5.3E-03	1.1E-03	8.0E-07	6.4E-03
7440-48-4	Cobalt	12.5	12.5	12.5			1.5E-10	1.5E-10	3.6E-02		8.0E-06	3.6E-02
7439-92-1	~Lead and Compounds	51.2	51.2	51.2					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	492	492	492					1.8E-02		3.8E-05	1.8E-02
7440-62-2	Vanadium and Compounds	39.35	39.35	39.35					6.7E-03		1.5E-06	6.7E-03
						Cumulative:		1.0E-06				6.6E-02

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	July 2024
Basis:	May 2024 EPA RSL Table
Site Name:	Northgate Park
Site Address:	300 W Club Blvd, Durham NC 27704
DEQ Section:	NONCD0000825
Site ID:	RI-3 Playground Removal
Exposure Unit ID:	Nortgate Park Playground-2 RC-1
Submittal Date:	1/13/2025
Prepared By:	Emily Hermann
Reviewed By:	Gerald Paul

Exposure Point Concentrations **Input Form 2A**

Version Date: July 2024

Basis: May 2024 EPA RSL Table

Site ID: RI-3 Playground Removal

Exposure Unit ID: Nortgate Park Playground-2 RC-1

Soil Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

Risk Calculator Run 1 for Playground-2: Grids 2-SB-02, 2-SB-05, and 2-SB-06 were removed for lead exceedances. Removed constituents below USEPA Regional Screening Levels (RSL). The RSL for toluene was used as the surrogate for p-Isopropyltoluene; the RSL was not exceeded. The RSL for pyrene was used as the surrogate for acenaphthylene, benzo[g,h,i]perylene and phenanthrene. The cumulative total of acenaphthylene, benzo[g,h,i]perylene, phenanthrene and pyrene did not exceed the RSL for pyrene.

NOTE: If the chemical list is changed from a prior calculator run, remember to select "See All Chemicals" on the data output sheet or newly added chemicals will not be included in risk calculations

Exposure Point Concentration (mg/kg)	Notes:	CAS Number	Chemical **For the chemicals highlighted in blue, data entry notes are provided in the PSRG Table link on the Main Menu**	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening	Background Value	Screening Toxicity Value (Screening Level) (n/c)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion
44		7664-41-7	Ammonia			mg/kg	SB-04									
3.54		7440-38-2	Arsenic, Inorganic			mg/kg	2-SB-04									
12.2		7440-48-4	Cobalt			mg/kg	2-SB-03									
114		7439-92-1	~Lead and Compounds			mg/kg	2-SB-04									
2430		7439-96-5	Manganese (Non-diet)			mg/kg	2-SB-04									
51.1		7440-62-2	Vanadium and Compounds			mg/kg	2-SB-03									

Risk for Individual Pathways **Output Form 1A**

Version Date: July 2024

Basis: May 2024 EPA RSL Table

Site ID: RI-3 Playground Removal

Exposure Unit ID: Nortgate Park Playground-2 RC-1

DIRECT CONTACT SOIL AND WATER CALCULATORS				
Receptor	**Pathway**	**Carcinogenic Risk**	**Hazard Index**	**Risk exceeded?**
Resident	Soil	5.2E-06	2.0E+00	YES
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	1.2E-06	1.4E-01	NO
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	NC	NC	NC
	Surface Water*	NC	NC	NC

VAPOR INTRUSION CALCULATORS				
Receptor	**Pathway**	**Carcinogenic Risk**	**Hazard Index**	**Risk exceeded?**
Resident	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	NC	NC	NC
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	NC	NC	NC
	Indoor Air	NC	NC	NC

CONTAMINANT MIGRATION CALCULATORS			
Pathway	**Source**	**Target Receptor Concentrations Exceeded?**	
Groundwater	Source Soil	Exceedence of 2L at Receptor?	NC
	Source Groundwater	Exceedence of 2L at Receptor?	NC
Surface Water	Source Soil	Exceedence of 2B at Receptor?	NC
	Source Groundwater	Exceedence of 2B at Receptor?	NC

Notes:

1. If lead concentrations were entered in the exposure point concentration tables, see the individual calculator sheets for lead concentrations in comparison to screening levels. Note that lead is not included in cumulative risk calculations.

2. * = If concentrations in groundwater exceed the NC 2L Standards or IMAC, or concentrations in surface water exceed the NC 2B Standards, appropriate remediation and/or institutional control measures will be necessary to be eligible for a risk-based closure.
3. NM = Not modeled, required contaminant migration parameters were not entered.
4. NC = Pathway not calculated, user did not check this pathway as complete.

DEQ Risk Calculator - Direct Contact - Resident Soil **Output Form 2A**

Version Date: July 2024

Basis: May 2024 EPA RSL Table

Site ID: RI-3 Playground Removal

Exposure Unit ID: Nortgate Park Playground-2 RC-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
7664-41-7	Ammonia	44	44	44							1.4E-09	1.4E-09
7440-38-2	Arsenic, Inorganic	3.54	3.54	3.54	**4.6E-06**	6.4E-07	9.1E-11	5.2E-06	9.1E-02	1.1E-02	3.8E-06	1.0E-01
7440-48-4	Cobalt	12.2	12.2	12.2			6.6E-10	6.6E-10	**5.2E-01**		3.3E-05	**5.2E-01**
7439-92-1	~Lead and Compounds	114	114	114					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	2430	2430	2430					**1.3E+00**		7.9E-04	**1.3E+00**
7440-62-2	Vanadium and Compounds	51.1	51.1	51.1					1.3E-01		8.3E-06	1.3E-01
						Cumulative:		5.2E-06				**2.0E+00**

DEQ Risk Calculator - Direct Contact - Non-Residential Worker Soil **Output Form 2C**

Version Date: July 2024

Basis: May 2024 EPA RSL Table

Site ID: RI-3 Playground Removal

Exposure Unit ID: Nortgate Park Playground-2 RC-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
7664-41-7	Ammonia	44	44	44							3.4E-10	3.4E-10
7440-38-2	Arsenic, Inorganic	3.54	3.54	3.54	9.7E-07	2.1E-07	2.1E-11	**1.2E-06**	6.1E-03	1.3E-03	9.1E-07	7.3E-03
7440-48-4	Cobalt	12.2	12.2	12.2			1.5E-10	1.5E-10	3.5E-02		7.8E-06	3.5E-02
7439-92-1	~Lead and Compounds	114	114	114					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	2430	2430	2430					8.7E-02		1.9E-04	8.7E-02
7440-62-2	Vanadium and Compounds	51.1	51.1	51.1					8.7E-03		2.0E-06	8.7E-03
						Cumulative:		1.2E-06				1.4E-01

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	July 2024
Basis:	May 2024 EPA RSL Table
Site Name:	Northgate Park
Site Address:	300 W Club Blvd, Durham NC 27704
DEQ Section:	NONCD0000825
Site ID:	RI-3 Playground Removal
Exposure Unit ID:	Northgate Park Playground-2 RC-2
Submittal Date:	1/13/2025
Prepared By:	Emily Hermann
Reviewed By:	Gerald Paul

Exposure Point Concentrations **Input Form 2A**

Version Date: July 2024

Basis: May 2024 EPA RSL Table

Site ID: RI-3 Playground Removal

Exposure Unit ID: Northgate Park Playground-2 RC-2

Soil Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

Risk Calculator Run 2 for Playground-2: Grid 2-SB-04 was removed for high concentration of manganese that exceeded the Hazard Quotient

NOTE: If the chemical list is changed from a prior calculator run, remember to select "See All Chemicals" on the data output sheet or newly added chemicals will not be included in risk calculations

Exposure Point Concentration (mg/kg)	Notes:	CAS Number	Chemical **For the chemicals highlighted in blue, data entry notes are provided in the PSRG Table link on the Main Menu**	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening	Background Value	Screening Toxicity Value (Screening Level) (n/c)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion
44		7664-41-7	Ammonia			mg/kg	SB-04									
3.42		7440-38-2	Arsenic, Inorganic			mg/kg	2-SB-03									
12.2		7440-48-4	Cobalt			mg/kg	2-SB-03									
90.3		7439-92-1	~Lead and Compounds			mg/kg	2-SB-01									
386		7439-96-5	Manganese (Non-diet)			mg/kg	2-SB-03									
51.1		7440-62-2	Vanadium and Compounds			mg/kg	2-SB-03									

Risk for Individual Pathways **Output Form 1A**

Version Date: July 2024

Basis: May 2024 EPA RSL Table

Site ID: RI-3 Playground Removal

Exposure Unit ID: Northgate Park Playground-2 RC-2

DIRECT CONTACT SOIL AND WATER CALCULATORS				
Receptor	**Pathway**	**Carcinogenic Risk**	**Hazard Index**	**Risk exceeded?**
Resident	Soil	5.1E-06	9.5E-01	NO
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	1.1E-06	6.4E-02	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.

DEQ Risk Calculator - Direct Contact - Resident Soil **Output Form 2A**

Version Date: July 2024

Basis: May 2024 EPA RSL Table

Site ID: RI-3 Playground Removal

Exposure Unit ID: Northgate Park Playground-2 RC-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
7664-41-7	Ammonia	44	44	44							1.4E-09	1.4E-09
7440-38-2	Arsenic, Inorganic	3.42	3.42	3.42	**4.4E-06**	6.2E-07	8.8E-11	5.1E-06	8.7E-02	1.0E-02	3.7E-06	9.8E-02
7440-48-4	Cobalt	12.2	12.2	12.2			6.6E-10	6.6E-10	**5.2E-01**		3.3E-05	**5.2E-01**
7439-92-1	~Lead and Compounds	90.3	90.3	90.3					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	386	386	386					**2.1E-01**		1.2E-04	**2.1E-01**
7440-62-2	Vanadium and Compounds	51.1	51.1	51.1					1.3E-01		8.3E-06	1.3E-01
						Cumulative:		5.1E-06				9.5E-01

DEQ Risk Calculator - Direct Contact - Non-Residential Worker Soil **Output Form 2C**

Version Date: July 2024

Basis: May 2024 EPA RSL Table

Site ID: RI-3 Playground Removal

Exposure Unit ID: Northgate Park Playground-2 RC-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
7664-41-7	Ammonia	44	44	44							3.4E-10	3.4E-10
7440-38-2	Arsenic, Inorganic	3.42	3.42	3.42	9.4E-07	2.0E-07	2.0E-11	**1.1E-06**	5.9E-03	1.2E-03	8.8E-07	7.1E-03
7440-48-4	Cobalt	12.2	12.2	12.2			1.5E-10	1.5E-10	3.5E-02		7.8E-06	3.5E-02
7439-92-1	~Lead and Compounds	90.3	90.3	90.3					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	386	386	386					1.4E-02		3.0E-05	1.4E-02
7440-62-2	Vanadium and Compounds	51.1	51.1	51.1					8.7E-03		2.0E-06	8.7E-03
						Cumulative:		1.1E-06				6.4E-02

Critical Effects Evaluation Tool - Residential Soil - Combined Pathway Summary
Version Date: October 2024
Basis: May 2024 RSLs, Aug 2024 CALEPA, Aug 2024 IRIS
Site ID: RI-3 Playground Removal
Exposure Unit ID: Northgate Park Playground-2 RC-2

CAS #	Chemical Name:	Cardiovascular	Dermal	Developmental	Endocrine	Gastrointestinal	Hematologic	Hepatic	Immune	Musculoskeletal	Nervous	Ocular	Other	Reproductive	Respiratory	Urinary
7664-41-7	Ammonia	--	--	--	--	--	--	--	--	--	--	--	--	--	<1E-01	--
7440-38-2	Arsenic, Inorganic	<1E-01	<1E-01	<1E-01	--	--	--	--	--	--	<1E-01	--	--	--	<1E-01	--
7440-48-4	Cobalt	--	--	--	5.2E-01	--	--	--	--	--	--	--	--	--	3.3E-05	--
7439-92-1	~Lead and Compounds	<SL**														
7439-96-5	Manganese (Non-diet)	--	--	--	--	--	--	--	--	--	2.1E-01	--	--	--	--	--
7440-62-2	Vanadium and Compounds	--	1.3E-01	--	--	--	--	--	--	--	--	--	--	--	8.3E-06	--
Total Exposure Hazard Index*		--	1.3E-01	--	5.2E-01	--	--	--	--	--	2.1E-01	--	--	--	4.1E-05	--
Risk Exceeded? (Cumulative HI > 1.0)		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**Total exposure hazard indices (HIs) calculated as the sum of pathway HQs for all compounds of concern (COCs) for the ingestion, dermal, and inhalation pathways. Compounds that indicate a combined pathway HQ of less than 0.1 are not considered COCs and are excluded from this calculation.*

*** - EPA has no consensus on reference dose values for lead, therefore it is not possible to calculate hazard quotient. ">SL" is indicated for lead concentrations above the EPA screening level of 200 mg/kg for residential soil. If it has been demonstrated that additional source of lead are present (e.g., lead water service lines or lead-based paint), note that the EPA screening level is 100 mg/kg.*

Orange highlighting indicates target organ data is unavailable. Risks associated with these compounds are conservatively applied to all organs.

Grey values indicate that the compound is not a COC. ***Bold*** *values indicate HQ or HI exceeds target risk of 1.0.*

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	July 2024
Basis:	May 2024 EPA RSL Table
Site Name:	Northgate Park
Site Address:	300 W Club Blvd, Durham NC 27704
DEQ Section:	NONCD0000825
Site ID:	RI-3 Playground Removal
Exposure Unit ID:	Northgate Park Playground-3 RC-1
Submittal Date:	1/13/2025
Prepared By:	Emily Hermann
Reviewed By:	Gerald Paul

Exposure Point Concentrations **Input Form 2A**

Version Date: July 2024

Basis: May 2024 EPA RSL Table

Site ID: RI-3 Playground Removal

Exposure Unit ID: Northgate Park Playground-3 RC-1

Soil Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

Risk Calculator Run 1 for Playground-3: Removed constituents below USEPA Regional Screening Levels (RSL). The RSL for toluene was used as the surrogate for p-Isopropyltoluene; the RSL was not exceeded. The RSL for pyrene was used as the surrogate for acenaphthylene, benzo[g,h,i]perylene and phenanthrene. The cumulative total of acenaphthylene, benzo[g,h,i]perylene, phenanthrene and pyrene did not exceed the RSL for pyrene.

NOTE: If the chemical list is changed from a prior calculator run, remember to select "See All Chemicals" on the data output sheet or newly added chemicals will not be included in risk calculations

Exposure Point Concentration (mg/kg)	Notes:	CAS Number	Chemical **For the chemicals highlighted in blue, data entry notes are provided in the PSRG Table link on the Main Menu**	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening	Background Value	Screening Toxicity Value (Screening Level) (n/c)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion
1.91		7440-38-2	Arsenic, Inorganic			mg/kg	3-SB-04									
13.1		7440-48-4	Cobalt			mg/kg	3-SB-03									
58.9		7439-92-1	~Lead and Compounds			mg/kg	3-SB-04									
562		7439-96-5	Manganese (Non-diet)			mg/kg	3-SB-04									
36.1		7440-62-2	Vanadium and Compounds			mg/kg	3-SB-01									

Risk for Individual Pathways **Output Form 1A**

Version Date: July 2024

Basis: May 2024 EPA RSL Table

Site ID: RI-3 Playground Removal

Exposure Unit ID: Northgate Park Playground-3 RC-1

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	2.8E-06	1.0E+00	NO
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	6.4E-07	6.8E-02	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.

DEQ Risk Calculator - Direct Contact - Resident Soil **Output Form 2A**

Version Date: July 2024

Basis: May 2024 EPA RSL Table

Site ID: RI-3 Playground Removal

Exposure Unit ID: Northgate Park Playground-3 RC-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
7440-38-2	Arsenic, Inorganic	1.91	1.91	1.91	**2.5E-06**	3.5E-07	4.9E-11	2.8E-06	4.9E-02	5.8E-03	2.1E-06	5.5E-02
7440-48-4	Cobalt	13.1	13.1	13.1			7.1E-10	7.1E-10	**5.6E-01**		3.5E-05	**5.6E-01**
7439-92-1	~Lead and Compounds	58.9	58.9	58.9					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	562	562	562					**3.0E-01**		1.8E-04	**3.0E-01**
7440-62-2	Vanadium and Compounds	36.1	36.1	36.1					9.2E-02		5.8E-06	9.2E-02
						Cumulative:		2.8E-06				**1.0E+00**

DEQ Risk Calculator - Direct Contact - Non-Residential Worker Soil **Output Form 2C**

Version Date: July 2024

Basis: May 2024 EPA RSL Table

Site ID: RI-3 Playground Removal

Exposure Unit ID: Northgate Park Playground-3 RC-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
7440-38-2	Arsenic, Inorganic	1.91	1.91	1.91	5.3E-07	1.1E-07	1.1E-11	6.4E-07	3.3E-03	6.9E-04	4.9E-07	4.0E-03
7440-48-4	Cobalt	13.1	13.1	13.1			1.6E-10	1.6E-10	3.7E-02		8.4E-06	3.7E-02
7439-92-1	~Lead and Compounds	58.9	58.9	58.9					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	562	562	562					2.0E-02		4.3E-05	2.0E-02
7440-62-2	Vanadium and Compounds	36.1	36.1	36.1					6.1E-03		1.4E-06	6.1E-03
						Cumulative:		6.4E-07				6.8E-02